The official ballot for the 1981 election is on page 29 of this Newsletter. All members are urged to read the statements of candidates for the Council on pages 27 and 28 and return their completed ballots as soon as possible. In order to be counted, ballots must be returned by September 5.

The 1981 annual meeting of the History of Science Society will be held in Los Angeles, California on December 27-30 (jointly with the American Historical Association). The Headquarters hotel will be the Hyatt Regency Los Angeles, 711 S. Hope Street, Los Angeles, California 90017. Scholarly sessions will begin on the morning of December 28 at 9:00 a.m. and end at 12:30 p.m. on December 30. See the tentative program on pages 5 - 8 of this Newsletter. A number of special events have been planned. On the afternoon of December 29, at Caltech, Charles Gillispie will deliver the first "Society Lecture"; the lecture will be followed by a cocktail party and the annual banquet. The final half day of the meeting, December 30, will be devoted to a plenary session. Round-table luncheons, featuring discussion of scholarly and professional topics, have also been scheduled.

Registration forms and the final program will appear in the October issue of the Newsletter. Hotel room rates have been negotiated at approximately 50% of the usual rate. Persons wishing to utilize the AHA Charter Flight program to the meeting should contact Dolores Gambino, Group Department, Glen Roc Travel, 194 Scotch Road, Trenton, New Jersey 08628 (phone (609) 883-3353).

The HSS Executive Committee spent considerable time at its mid-May meeting discussing the budgetary crisis confronting federal agencies which provide research support to historians of science. Individual officers wrote to and met with National Science Foundation staff and board members during March and April to argue for the maintenance of the History and Philosophy of Science program and to assist in efforts to enlarge the proposed agency budget. Their efforts, together with letters and contacts from other individuals and organizations, have apparently been successful and prospects are favorable for sustaining the program.

An interim policy for sustaining the HPS program despite substantial budget cuts (near 75%) has been to reduce the size of individual grants and thus to continue support for a range of research projects. While the Executive Committee agreed that this expedient, which may provide a precedent for future policy, is appropriate, it also prepared a statement for the program office which indicated that such a policy, if ongoing, would have drastic long-range consequences for the important and larger scale editorial and resource projects that have helped to develop a relatively young field over the past several decades. The HPS program and its supporters must not allow a small grants program, which serves an important function and might well be sustained, to become the norm.

The Committee will recommend to the Council that an "emergency fund" be created in order for the Society to join organizations working to enlarge federal support for research in the humanities and social sciences and to contact members through a special mailing, if necessary. Working with the American Council of Learned Societies and the Social Science Research Council, officers will continue to monitor events in Washington. The crisis is not over, and it is likely that even deeper cuts will be proposed for 1983. It is essential that individuals continue to write to agencies and congressional leaders.

The Secretary of the History of Science Society, having served for four years, has declined renomination. All members are welcome to offer nominations for the next two-year term, 1982-1983; these should be made to President Frederic L. Holmes, Department of History of Medicine, Yale Medical School, 333 Cedar Street, New Haven, Connecticut 06510, before August 15, together with a letter stating the qualifications of each nominee for the position.

The Secretary has major responsibility for handling the routine and ongoing affairs of the Society, serving as a member of both the Council and the Executive Committee. He or she maintains the formal and informal current records of Society business; establishes communication with the Executive Committee, Council, and Committee chairpersons of the Society; responds to inquiries from the membership and others seeking information about the organization and, sometimes, about the field of history of science more generally; and corresponds with other learned organizations and agencies with regard to mutual concerns, such as the current budget crisis in Washington.

The Secretary also produces a quarterly newsletter. The newsletter requires that the Secretary remain informed of current events of interest to members and coordinate data on candidates for office, annual meeting program announcements, and news from the officers and committees. Occasional job supplements are circulated between newsletters when the deadlines and a sufficient number of notices warrant. Also,
announcements of annual meetings and prize winners, for example, are sent to other organizations.

The position requires a significant time commitment but also provides considerable satisfaction in the substance of information acquired and the personal relationships created in fulfillment of responsibilities. The Secretary attends semi-annual meetings of the Conference of Secretaries of the American Council of Learned Societies and occasionally participates in other national meetings as well. The position involves the Secretary with creative people who care about the future of the discipline in academic and public settings, as well as those who work for the establishment of responsible intellectual leadership in the country.

The Secretary must have strong institutional support. Telephone and postage costs (excluding the Newsletter) as well as secretarial or staff assistance (about 20 hours a week) are essential. Anyone seeking more detailed information should feel free to contact the current Secretary, Sally Gregory Kohlstedt.

The History of Science Society Committee on Women has its own "newsletter" now. The chair of the Women's Committee, Kathy Ciesko, will be sending out the next issue in August. Interested members may contact her at the History Department, Georgetown University, Washington, D.C. 20057.

A HSS "Directory Supplement" including persons joining the Society in the past year may be found on pages 11-22. Members may want to remove this material and keep it with their 1980 Directory for future reference.

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CONFERENCES AND MEETINGS

The Twelfth Symposium on Philosophy and Medicine, Natural Abilities and Perceived Worth: Rights, Values and Retarded Persons will be held in Greenville, North Carolina, 1-3 October 1981. The program is sponsored by the Humanities Section, East Carolina University School of Medicine and the North Carolina Humanities Committee. Speakers will include: L. Churchill, C. Diamond, H. T. Engelhardt, M. Kindred, N. Kittrice, L. Kopelman, B. Baum Levenbook, L. McCullough, J. Margolis, W. May, G. Moriarty, J. Moskop, D. Rothman, S. Spicker, and A. Wooley. Application has been submitted for 13 hours AMA Continuing Medical Education Credit for physicians and 1.3 hours CEU credit. For further information please contact Loretta Kopelman or John Moskop, Humanities Section, East Carolina University School of Medicine, Greenville, North Carolina 27834 (919) 757-6624.

The twelfth Western Conference on Science, Religion and Society, entitled "North American Natural History Bibliography—Improper Tus, Urgent Needs, and Prospects," will be held at the Academy of Natural Sciences of Philadelphia on 21-22 October 1981. The conference theme is North American Natural History Bibliography—Research, Needs, and Prospects. Papers on various aspects of the history and bibliography of natural history will be presented and three panel discussions will address the topics "North American Natural History Bibliography—Improper Tus, Urgent Needs, and Prospects for Betterment." For further information please contact Nina J. Root, Chairwoman, Department of Library Services, Academy of Natural History, C.P. West at 79th Street, New York, New York 10023 (212) 873-1300, ext. 381.

A Conference on Critical Issues in the History of Canadian Science, Technology and Medicine will be held at the Donald Gordon Centre of Queen's University, Kingston, Ontario, on 6-8 November 1981. This meeting will be the second Kingston Conference on Canadian science, technology and medicine. In addition to invited papers, work-in-progress sessions and workshops will be featured. The meeting will also be the first general meeting of the Canadian Science and Technology Historical Association. For further information, write to Dr. A. W. Tickner, Senior Archival Officer, National Research Council of Canada, Ottawa, Ontario K1A 0E6.

The Pre-Columbian Synthesis, a conference on the roles and inter-relationships of art, religion and medicine in pre-Columbian cultures, will be held in San Antonio, Texas 20-21 November 1981. Pre-Columbian specialists from the fields of anthropology, art and medicine will discuss these topics in the rich Hispanic-American atmosphere which makes the conference particularly appropriate to San Antonio. Among the speakers are Dr. Jaime Litvak-King, Director, Institute of Anthropological Research, Universidad Nacional Autonoma de Mexico; Dr. Ignacio Bernal, Emeritus Director, Museo Nacional de Antropologia, Mexico City; Dr. Bernardo Ortiz de Montellano, Director Center for Chicano-Norican Studies, Wayne State University; and Dr. Francisco Guerra, Professor of Medical History, Universidad de Santander, Spain. For further information contact Dr. David Kronick, Conference Director, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, Texas 78284 (512) 691-6271.

The Royal Irish Academy will present Perspectives in the History and Philosophy of Science—An Irish Symposium on 1-2 April 1982, at the House of the Royal Irish Academy, 19 Dawson Street, Dublin 2, Ireland. This symposium is the first to be organized by the National Committee for the History and Philosophy of Science. The four main sessions are entitled: History of the Sciences; Science, Religion and Society; Philosophy of Science; and Science in Ireland. Send abstracts before 6 November. The Second Circular will be available in December from Dr. Charles Mallon, Secretary of the National Committee for the History and Philosophy of Science, Royal Irish Academy,
The Annual Meeting of the American Society
for 18th Century Studies will be held in Houston,
Texas during April 1982. Rice University and the
University of Houston will be the co-hosts. For
further information, contact Dean Virgil Topazio,
Dean of Humanities and Social Sciences, Rice
University, 236 Rayzor Hall, Houston, Texas 77001.

The Annual Meeting of the Association of American
Geographers will be held in San Antonio, Texas on
25-28 April 1982 at the Marriott Hotel and
Convention Center. For further information, contact Professor Neil E. Salisbury, Chair, AAG
Program Committee, Department of Geography,
University of Oklahoma, Norman Oklahoma 73019
(405) 325-5325.

The Midwest Victorian Studies Association invites
papers for its 1982 meeting, to be held in con-
junction with the annual Theatre History Conference
at the Theatre Research Institute, Ohio State
University, 30 April-1 May. The theme of the
meeting will be Victorian Humor. The theme is con-
ceived broadly and refers to all forms of wit, satire, parody, comedy and humor in a variety of
media—literature, art and music, popular culture,
scientific, political or academic rhetoric. They
welcome proposals that extend the concept of
humor beyond its conventional usage. Papers or
detailed abstracts should be sent no later than
1 December 1981 to Frederick Kirchhoff, Department
of English and Linguistics, Indiana University-
Purdue University at Fort Wayne, Fort Wayne,
Indiana 46805.

The International Society for the Comparative
Study of Civilizations will meet at Pittsburgh
University, Pittsburgh, Pennsylvania on 27-30 May
1982. Those wishing to contribute papers are
invited to send the title and four copies of a one-
page abstract by 30 November 1981 to the Chairperson
of the ISCSIC 1982 Program Committee, Professor T.
Kawri Kitao, Department of Art, Swarthmore College,
Swarthmore, Pennsylvania 19081.

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ANNOUNCEMENTS

The American Association for the History of Medicine
has recently issued a new compilation of worldwide
"Research in Progress" in the history of medicine
and related fields (i.e. List No. 5-1981). Interested
scholars may obtain copies of this publication for
$5 from Robert F. Hudson, M.D., History of Medicine
Department, University of Kansas Medical School,
Kansas City, Kansas 66103.

A summer program in the History of Science in
China is being planned for the summer of 1982, July 6-
August 6. The hosts are Tianjin Normal College and the Institute of History of Science, Academic
Sinica of the Peoples Republic (Professor Ji Xing
Pan noted historian of the Science movement in China).
Tianjin is located about 80 miles S.E. of Beijing
(Peking) in Hebei province on the coast of the
Yellow Sea. The program will include lectures about
the Chinese language, culture and history given by the
faculty of Tianjin Normal College, lectures in the
History of Science in China given by scholars from the Institute of History of Science of the
Academia of Sinica, and tours to places in China of
topic interest related to the History of Science in
China. A fee of approximately $3,900 will cover air
fare to and from China, as well as food, lodging, and traveling within China. For further infor-
mation, write to Dr. Joseph S. Schmuckler, Professor
of Chemistry, Chairman of Science Education, Temple
University, 345 Ritter Hall – 003, Philadelphia,
Pennsylvania 19122.

The National Coordinating Committee, of which the HSS
is a member organization, has produced a number of
pamphlets. The following are available from the NCC
for costs indicated plus $.50 for handling and postage.
Orders must be prepaid with checks or money orders payable to the "American Historical Association."

Mail requests to the NCC, 400 A Street, SE,
Washington, DC 20003.

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The Woods Hole Seminars in the History of Science and
Related Subjects for the summer of 1981 will be held
on Fridays at 3:30 p.m. at the Woods Hole Oceanographic
Institution beginning July 10. For more information, write Harold Buretyn, 950 National Center. U.S.G.S.
Reston, Virginia 22092.
The Historian's Office of the U.S. Department of Energy is compiling a directory of energy historians which will be published in the fall issue of the Energy History Report. Persons who have written dissertations, articles, or books on energy history or are researching a project in energy history, or have taught or designed courses in energy history, or are archivists dealing with energy history material should send their name, address, phone number, institutional affiliation, title, publications, dissertations, or archival work to the Energy History Report, U.S. Department of Energy, Historian's Office, Room 76-033, The Forrestal Building, Washington, DC 20585.

Canadian Science and Technology Historical Association/Association pour l'histoire de la science et de la technologie as Canada was formed in December 1980 to promote research, teaching and preservation of Canada's scientific and technological heritage. An interim executive committee of Arnold E. Roos (President), Richard A. Jarrell (Secretary-Treasurer), Norman R. Ball (Director), and Raymond Duchesne (Directeur) will serve until the association's first general meeting in November 1981. Membership in the CSTHA/HSTC includes a subscription to the HSTC Bulletin. Further information may be obtained from the Secretary-Treasurer, Department of Natural Science at Atkinson College, York University, Downsview, Ontario M3J 2R7 Canada.

A new, major collection of Sources for History of Modern Astrophysics, covering all aspects of modern astronomy and astrophysics, is now available. The SHMA project was conducted from 1976-1980 by the Center for History of Physics at the American Institute of Physics, with aid from the National Science Foundation, the American Philosophical Society, the Friends of the Center for History of Physics and others. It constitutes the largest uniform body of historical information yet gathered for any field of science. Tape-recorded oral history interviews were conducted with some 100 prominent astronomers, chiefly Americans but including many people from other nations. The resulting 10,000 pages, all edited and indexed, have detailed tables of contents. The AIP Center also carried out an extensive program of locating, preserving, and cataloging documentary sources for the history of modern astronomy and astrophysics, including the papers of Robert Atkinson, Seth Chandler, Theodore Dunham, Jr., G. C. McVittie, Henry Norris Russell, Frank Schlesinger, Karl Schwarzschild, Harlow Shapley, and Otto Struve. Microfilming of the papers of Ejnar Hertzsprung is underway. Inventories of these papers are available at cost, as well as a Finding Aid to the papers at Lick Observatory. The oral history interview transcripts, microfilms, inventories, and much other material gathered during the SHMA project are available to qualified scholars at the AIP Center's Niels Bohr Library in New York City. For further information, contact Spencer Weart, AIP, 325 Ezer 45th Street, New York, New York 10017.

The Massachusetts Institute of Technology Libraries' Dewey Decimal Catalogue (author, title, subject holding through 1963) is now available on microfiche (approximately 1050 fiche) for $250. To order, send check and mailing information to:

Head, Microreproduction Laboratory, M.I.T. Libraries, Room 14-0551, Cambridge, Massachusetts 02139.

Science and Technology: Challenges for Women, a series of four one-day workshops on women in science, technology, and social sciences, funded in part by the National Science Foundation, will be presented by the Women's Network in Science and Technology. The 1981 schedule is as follows: September 17 at Macalester College, St. Paul; October 10 at Moorhead State University, Moorhead Minnesota; October 16 at South Dakota State University, Brookings; and October 31 at the University of Minnesota and College of St. Scholastica, Duluth. For more information, write WNST, Minnesota Women's Center, 306 Walter Library, 117 Pleasant Street S.E., Minneapolis, Minnesota 55455, (612) 373-3850.

Effective 1 July 1981, the Program in History and Philosophy of Science at Princeton no longer exists under that name. Courses and curricular options pertaining to the philosophy of science have been transferred to the Philosophy Department. Courses and curricular options pertaining to the history of science at the graduate level will now be offered by the Program in History of Science, a new semi-autonomous program. Courses in the history of science at the undergraduate level will henceforth be offered under the auspices of the Program in Science in Human Affairs. The Director of the Program in History of Science will chair the interdepartmental committee which oversees the Program in Science in Human Affairs. These changes consist of an administrative and curricular reorganization of existing programs. Both in history of science and in philosophy of science, the number of courses and faculty members remain as they were before the changes took effect. For the academic year 1981-82, Gerald L. Gelson (220 Palmer Hall) is Director of the Program in History of Science and Chairman of the Committee on Science in Human Affairs.

The Hunt Institute for Botanical Documentation, Carnegie-Mellon University, Pittsburgh, has recently acquired the original collection of the botanist and zoologist Mariano Mocifio. The collection comprises approximately 2,000 watercolor drawings and sketches; about 1,800 are of botanical subjects, the remainder of various animal species (fish, insects, reptiles, and a few birds and small mammals). It was purchased for the Institute's permanent collection by The Hunt Foundation. The Sesse and Mocifio expedition, as it is commonly called, explored extensively in the Caribbean, Mexico, and northern Central America, with forays also to Baja and Alta California and as far north as Nootka and Alaska. The drawings were executed by a number of artists, the most accomplished of whom were Athanasio Echeverria y Godoy and Juan Vicente de la Cerda. In technical and artistic quality, Echeverria's work compares favorably with any other in the history of biological illustration. Notwithstanding this artistic excellence, the chief value of the collection lies in its scientific and historical significance. For further information, contact Robert W. Kiger, Director, Hunt Institute for Botanical Documentation, Carnegie-Mellon University, Pittsburgh, Pennsylvania 15213.

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SUNDAY, December 27
3 p.m. Council Meeting
7-10 p.m. Reception-Cash Bar

MONDAY, December 28
9:00 - 12:00:
1. University, Institute, and Industry: Chemistry in America
Chair and Commentator: Karl Hufbauer (University of California, Irvine)
   John W. Servos (Princeton University): "Occupying the Borderland: Geochemistry in America, 1890-1915."
   P. Thomas Carroll (Rensselaer Polytechnic Institute): "Professors, Patrons, and Ph.D.s: The Building of Graduate Departments of Chemistry and Chemical Engineering in the United States before World War II."

2. Living Matter and Biological Theory in 18th and 19th Century Biology
Chair: Paul Lawrence Farber (Oregon State University)
   Shirley A. Roe (Harvard University): "John Turbeville Needham's Microscopic Animalcules: Vitalism or Materialism."
   François Duchesneau (Université de Montréal): "Vitalism and Early Cell Theory."
   Commentators (round-table panel): Frederic L. Holmes (Yale University), Theodore M. Brown (University of Rochester), Timothy Lenoir (University of Arizona).

3. Models, Analogies, and Explanation in 17th-Century Science
Chair and Commentator: Michael S. Mahoney (Princeton University)
   Lorraine J. Daston (Harvard University): "Physical Analogies in Galilean Mathematics."
   Peter Galison (Harvard University): "Explanation in Descartes' Cosmology."
   J. Bruce Brackenridge (Lawrence University): "Kepler, Elliptical Orbits, and Celestial Circularity: A Study in the Perversity of Metaphysical Commitment."

4. Work in Progress: Renaissance Science (9:00-10:00)
   Edith D. Sylla (North Carolina State University at Raleigh): "Renaissance Criticisms of the Calculators."
   J. Bruce Brackenridge (Lawrence University): "Kepler, Elliptical Orbits, and Celestial Circularity: A Study in the Perversity of Metaphysical Commitment."

5. Work in Progress: Modern Mathematics (10:00-11:00)
   Lenore Feigenbaum (Northeastern University): "Alliances and Rivalries in the Early 18th-Century Mathematical Community: The Taylor-Monmort Correspondence as a Contribution to the History of the Newton-Leibniz Controversy."
   Robin E. Rider (University of California, Berkeley): "Applied Mathematics in America."

6. Work in Progress: Modern Science, Technology, and Theology (11:00-12:00)
   David F. Channell (University of Texas at Dallas): "The Theological Roots of 19th-Century Engineering Science."
   Michael J. Crowe (University of Notre Dame): "The Controversy Concerning the Canals of Mars: A Reassessment."

12:00 - 1:45: Round-Table Luncheons (details to be announced).
2:00 - 3:00: Business Meeting
3:15 - 5:15:

7. The Emergence of Fieldwork in Three National Anthropological Traditions
Chair: Jacques Maquet (University of California, Los Angeles)
   Curtis Hinsley (Colgate University): "In the Field: Ethnographic Style in the Southwestern United States, 1880-1900."
   George Stocking (University of Chicago): "Routes to the Heart of Darkness: Alternative Models of Fieldwork in British Anthropology, 1900-1925."
8. Imported and Indigenous Traditions in American Physics, 1870-1970
Chair: Daniel M. Siegel (University of Wisconsin)
Stanley Goldberg (Hampshire College): "Up from Pencil Pushing: The Role of Textbooks in the Assimilation of Special Relativity in America, 1910-1970."
Paul A. Hanle (National Air and Space Museum): "Theoretical Aerodynamics at MIT, NYU, and Caltech: European Science or American Art?"

9. Studies in Late Medieval Science
Chair: Bert Hansen (University of Toronto)
Richard C. Bales (University of Southern California): "Henry of Harclay on infinite Sets."
Claudia Kren (University of Missouri): "The Place of Astronomy in the Curriculum of the Late Medieval University: The Case of Vienna."
Nancy G. Siraisi (Hunter College): "Tradition and Innovation in Medical Education: Late Latin Commentaries on Avicenna's Canon (Book I, f. 1)."

10. Work in Progress: The Rockefeller Connection (3:15-4:15)
Stephen J. Cross (Johns Hopkins University): "An Integrative Enterprise in Human Science: Harvard University, the Labor Problem, and Rockefeller Philanthropies between the Wars."
Susan Lederer (University of Wisconsin): "The Ethics of Human Experimentation: Hideyo Noguchi and Luetin."

11. Work in Progress: Science and Medicine in America (4:15-5:15)

6:00 p.m. ISIS Editorial Board Dinner
7:00 p.m. History of Science Society Committee on Women

8:00 - 10:00 p.m.

12. History of Science in the New Liberal Arts Curricula
Chair: Stephen G. Brush (University of Maryland)
Stanley Goldberg (Hampshire College): "On Understanding Science Revisited: A Case For Case Studies."
Daniel M. Siegel (University of Wisconsin): "History of Science in the Integrated Liberal Studies Program at the University of Wisconsin."
Commentators: Thomas Haskell (Rice University); Gerald Holton (Harvard University)

TUESDAY, December 29

9:00 - 12:00:

13. Science in University Laboratories
Chair: Daniel J. Kevles (California Institute of Technology)
Clayton R. Koppes (Oberlin College): "Competing Institutional Interests in the Space Program: The Jet Propulsion Laboratory in Conflict with NASA."
Judith Goodstein (California Institute of Technology): "Pure and Applied Science at Caltech between the Two World Wars."
Commentator: Robert E. Burke (University of Washington)

14. Astronomical Issues in the Mid-17th Century
Chair and Commentator: Curtis Wilson (St. John's College)
Robert A. Hatch (University of Florida): "Ismael Boulliau and the Dissemination of Keplerian Astronomy."
Albert Van Heiden (Rice University): "Solar Parallax and Refraction from Riccioli to Richer."

15. Environmental History: Theory and Practice
(co-sponsored by the AHA, 9:30 starting time; to be held in one of the AHA hotels).
Chair: Wilbur Jacobs (University of California, Santa Barbara)
Ronald Tobey (University of California, Riverside): "American Grassland Ecology: The Struggle for the Clementian Paradigm."
16. Work in Progress: Science in the 18th Century (9:00-10:00)
Martha Ellen Webb (University of Oklahoma): "The Influence of Newtonians John Nickeburgh and Stephen Hales upon the Psychology of David Hartley."

17. Work in Progress: Science in 19th-Century Britain (10:00-11:00)
Harvey W. Becher (Northern Arizona University): "Appending Science to a Liberal Education at Cambridge University, 1820-1866."
Leroy E. Page (Kansas State University): "Charles Lyell and the Glacial Theory, 1857-1873."

18. Work in Progress: Modern Biology and Medicine (11:00-12:00)
LeeAnn Hansen Le Roy (University of California, Los Angeles): "Johannes Muller and Naturalphilosophie: The Question of 'Conversion'."

2:00 - 4:00:

19. Conceptual Structure and Social Interests in 19th-Century German Science
Chair: Everett Mendelsohn (Harvard University)
Timothy Lenoir (University of Arizona): "The Holist-Atomist Debate over Biological Organization: Jockeying for Position in Pre-Industrial Germand."

20. Puritanism and Science (co-sponsored by the American Society of Church History)
Chair: Barbara Shapiro (University of California, Berkeley)
T. Dwight Bozeman (University of Iowa): "Puritanism and Science: Some Definitional Suggestions."
Gary B. Deason (St. Olaf College): "Puritans, Politics, and Baconian Science."
Commentator: Theodore K. Rabb (Princeton University)

21. Psychology and the Natural Sciences at the Turn of the Century
Chair: Horace W. Magoun (University of California, Los Angeles)
Robert J. Richards (University of Chicago): "William James' Moral and Epistemological Use of Darwinian Theory."
Erwin N. Hiebert (Harvard University): "Mach's Conception of the Status of Psychology among the Sciences."

22. Work in Progress: Biographies of American Scientists (2:00-3:00)
Clark A. Elliott (Harvard University Library): "Thaddeus William Harris (1795-1856): A Study in the Scientific Career in Antebellum America."
Barbara L. Weitner (Harvard-Smithsonian Center for Astrophysics): "A Biography of Antonia Maury."
John L. Michel (University of Wisconsin): "Millikan's Identity Crisis: Educator Versus Researcher."

23. Work in Progress: Popular and Professional Science in 19th-Century America (3:00-4:00)
Elizabeth B. Keeney (University of Wisconsin): "Popular Science and Cultural Change: Botany and the Work Ethic in 19th-Century America."
Tamara A. Miner (Rice University): "Spheres of Influence in American Botanical Leadership in the Mid-19th Century."

5:30 - 6:30: History of Science Society Lecture (at Caltech).

6:30 - 7:30: Cocktail Party (The Athaeneum, Caltech)

7:30 - 9:30: Banquet (The Athaeneum, Caltech)

WEDNESDAY, December 30

24. Reappraisals of the Scientific Revolution (Co-sponsored by the AHA) Plenary Session, 9:00-12:30
Chair: David C. Lindberg (University of Wisconsin)

Michael MacDonald (University of Wisconsin): "Madness, Medicine, and the Scientific Revolution."


James R. Jacob (John Jay College, CUNY) and Margaret C. Jacob (Baruch College, CUNY): "The Social Origins of Modern Science: An Historiographical Overview."

Richard S. Westfall (Indiana University): "The Value of Tradition in an Age of Reappraisal."

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AWARDS AND HONORS

Hamilton Cravens, Elizabeth Fee, and Kenneth M. Ludmerer have received Rockefeller University grants-in-aid to support projects requiring substantial research in the holdings of the Rockefeller Archive Center.

Stillman Drake, professor of history of science at the University of Toronto and Loren Graham, a professor of science, technology, and society at Massachusetts Institute of Technology, are among 75 scholars, scientists, and public figures who have been elected to membership in the American Academy of Arts and Sciences.

Daniel Kevles, Michael McVaugh, and Margaret Rossiter have been named John Simon Guggenheim Memorial Fellows for 1981.

Howard R. Bernstein, of Wesleyan University, has received a NEH summer stipend to continue his study of Leibniz's dynamics and "Dynamism."

Ruth Schwartz Cowan has been appointed Phi Beta Kappa Visiting Professor during the 1981-82 academic year and will be lecturing at various campuses.

Carolyn Eisele was honored on 8 May 1981 at the day-long Hunter College Peirce Colloquium, celebrating her edited publication, The New Elements of Mathematics of Charles S. Peirce.

Bruce Hunt, a graduate student in the History of Science Department at The Johns Hopkins University, was awarded a Fulbright Fellowship to Great Britain. He will be completing research on a dissertation on the first generation of Maxwellians.

David C. Lindberg has received a Distinguished Teaching Award from the University of Wisconsin.

Kenneth M. Ludmerer, assistant professor of history, Washington University, St. Louis, has been named a Henry J. Kaiser Family Foundation Faculty Scholar in General Internal Medicine. This award carries with it a five-year grant that will help support his research in the history of American medicine and science.

James E. Mc Clellan has been awarded a grant from the National Science Foundation and the National Endowment for the Humanities to conduct a summer workshop in the history of science for secondary school science, history and humanities teachers. The general goal of the Workshop, to be held at Stevens Institute of Technology from 6 July through 31 July, is to facilitate the integration of the history of science into pre-college teaching through contact with university level historians of science. Harold Born is the Senior Workshop Associate.

Desiderio Papp has been named as Doctor Honoris Causa by the University of Concepcion in Chile.

Robert Rosenberg, a graduate student in the History of Science Department at The Johns Hopkins University, was awarded an Institute of Electrical and Electronics Engineers Fellowship in electrical engineering history to enable him to complete his dissertation on the formation of the electrical engineering discipline in America.

Cecil J. Schneer's edited volume Two Hundred Years of Geology in America was selected as an Outstanding Academic Book for the 1980-81 year by the Association of College and Research Libraries, a division of the American Library Association.

Glenn Sonnedecker has been elected Historical Director of the American Institute of the History of Pharmacy for the 1981-1983 term. Dr. Sonnedecker has previously served the Institute for twenty-four years, first as Secretary, then as Director; he will continue in his full-time role as the Edward Kreemers Professor of the University of Wisconsin-Madison.

David Topper was awarded the Clifford J. Robson Memorial Award for Excellence in Teaching (which carries a prize of $1,000) at the University of Winnipeg.

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FELLOWSHIPS AND GRANTS

The National Humanities Center is an institute for advanced study in history, literature, philosophy, and other fields of the humanities, designed to foster individual research and intellectual exchange within a community of scholars. Its Fellows have the use of private studies, conference rooms, and a dining room. They are provided with library service and manuscript typing. Each year at the Center approximately 40 Fellows pursue their own research and are free to participate in interdisciplinary seminars, lectures, and conferences. Fellowships are awarded on the basis of an open competition. The Center welcomes applications from scholars in the United States and abroad. For 1982-83 fellowships are available for: Young Scholars, Senior Fellows, and the following special seminars: The Charles Frankel Seminar on Citizenship—historical and philosophical inquiries on the idea, practice and theory of citizenship from antiquity to the present; and Commerce and Culture—the relations between commercial life and intellectual, moral, or aesthetic concerns in art, literature, history, religion, philosophy and other fields in inquiry. The deadline for 1982-83 fellowship applications is 10 January 1982. Interested scholars may obtain information and applications from National Humanities Center, P.O. Box 12256, Research Triangle Park, North Carolina 27709.
Woodrow Wilson International Center for Scholars, located in Washington, D.C., seeks outstanding project proposals representing diverse scholarly interests and approaches from individuals throughout the world. The Center's residential fellowships are awarded in two rather broad programs—History, Culture, and Society and American Society and Politics—and four more focused international categories: the Kennan Institute for Advanced Russian Studies, the Latin American Program, the East Asia Program, and the International Security Studies Program. For academic participants, eligibility is limited to the postdoctoral level; for participants from other backgrounds, equivalent maturity and professional achievement are expected. Fellows devote their full time to research and writing. The length of a fellowship can vary from four months to a year. Within certain limits, the Center seeks to enable each fellow to meet his or her earned income during the preceding year. Deadline for receipt of applications is 1 October, with decisions by mid-February. The fellowships commence the following September. For information and application materials contact The Wilson Center, Smithsonian Institution Building, Room 321, Washington, D.C. 20560 (202) 357-2841.

The Andrew W. Mellon Faculty Fellowships in the Humanities at Harvard University are for non-tenured experienced junior scholars who have completed, at the time of appointment, at least two years post-doctoral teaching as college or university faculty in the humanities—usually as assistant professors. Ph.D. is required and must have been received prior to 30 June 1980. These are one-year appointments, July 1982-July 1983, with limited teaching duties, departmental affiliation, opportunity to develop scholarly research. Applications are due 2 November 1981, and awards will be announced 29 January 1982. For further information and application procedures, write Dr. Richard M. Hunt, Program Director, Harvard University Mellon Faculty Fellowships, Lamont Library 202, Cambridge, Massachusetts 02138.

The Gladys Krieble Delmas Foundation announces its 1982-83 program of pre-doctoral and post-doctoral fellowships for Research in Venice, Italy. Applicants must be citizens of the United States, have some experience in advanced research, and, if graduate students, have fulfilled all doctoral requirements except for completion of the dissertation. Applications for grants should be received by 15 January 1982; fellows will be announced by 1 April 1982. Applications will be entertained for grants from $500 up to a maximum of $10,000 for a full academic year. For further information write to The Gladys Krieble Delmas Foundation, 40 Wall Street, New York, New York 10005.

The William Andrews Clark Memorial Library of the University of California, Los Angeles, announces a program of short-term fellowships to be awarded for periods of one to four months, with stipends averaging about $750 per month. The Ph.D. or equivalent is required. Preference will be given to applicants outside the southern California area; additional means for travel may also be awarded. Periods of award may begin at any time during the summer or the academic year. The Clark Library collections include extensive materials for the study of seventeenth- and eighteenth-century life and thought, and for research in music and science as well as literature and history, with particular strength in the period 1640-1750. Some 70,000 items, not including manuscripts, are described in the Dictionary Catalog of the William Andrews Clark Memorial Library. The Clark Library is convenient to the UCLA campus libraries and Fellows are welcome to participate in the academic life of UCLA. The Library sponsors a Summer Postdoctoral Fellowship program, a series of lectures established by a resident Clark Library Professor, and a series of one-day invitational seminars from which the published papers are widely distributed. The Clark sponsors the Augustan Reprint Society and is the working home of the University of California Press edition of The Works of John Dryden. For further information and applications, write to The Director, The William Andrews Clark Memorial Library, 2520 Cimarron Street, Los Angeles, California 90018.

The Columbia Society of Fellows in the Humanities, with grants from the Andrew W. Mellon Foundation and the William R. Kenan Trust, will appoint a number of post-doctoral fellows in the humanities for the 1982-83 academic year. Fellows newly appointed for 1982-83 must have received the Ph.D. between 1 January 1980 and 1 July 1982. Stipend will be $17,500, one half for independent research and one half for teaching in the undergraduate program in general education. Additional funds are available in support of such needs as research materials and typing. Deadline for receipt of completed application forms is 1 November 1981. Forms can be obtained by writing to the Director, Society of Fellows in the Humanities, Heyman Humanities Center, Columbia University, 70-74 Morningside Drive, New York, New York 10027.

**APPOINTMENTS AND PROMOTIONS**

Howard B. Bernstein has been re-appointed as Visiting Professor of Science in Society, part-time, at Wesleyan University, for 1981-82. Dr. Bernstein shall also teach in the Graduate Program in Liberal Studies at Wesleyan.

William Eamon has been promoted to Associate Professor in the Department of History at the New Mexico State University.

Lenore Feigenbaum has been appointed Assistant Professor of Mathematics at Northeastern University, Boston, Massachusetts from 1 September 1981.

Kathryn Olesko has been appointed Assistant Professor in the Department of History at Georgetown University, Washington, D.C.

Philip J. Pauly has been appointed Assistant Professor of History at Rutgers University, New Brunswick, New Jersey, beginning in the fall of 1981.

Margaret W. Rossiter has been named a member of the National Science Foundation Committee on Equal Opportunities in Science and Technology.

George S. Rousseau, Professor of Eighteenth-Century Studies at the University of California, Los Angeles, has been elected a Visiting Fellow at Trinity College, Cambridge, during the academic year 1981-82. During his residence at Trinity he will be working
on manuscripts and books pertaining to Newton in the Wren Library.

Geoffrey V. Sutton, currently completing his Ph.D. degree at Princeton University, has been appointed Junior Fellow at the University of Minnesota and Bakken Library of Electricity in Life, Minneapolis, beginning in September 1981.

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DISSEMINATIONS

Johns Hopkins University

Philip J. Pauly, "Jacques Loeb and the Control of Life: An Experimental Biologist in Germany and America, 1859-1924." (Ph.D. completed, 1980).

Yale University


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ADDITIONAL ANNOUNCEMENT

Biographical and bibliographical data on Fellows of the Royal Society of Edinburgh elected between 1783 and 1832 and the first catalogue are now available, priced at £3.50 including postage and packaging, from the History of Medicine and Science Unit, University of Edinburgh, High School Yards, Edinburgh EH1 1LZ. Other publications in the course of preparation include three series of short illustrated biographies, respectively entitled:

Scottish Men of Science
Scottish Men of Medicine
Scottish Men of Letters

Further information may be requested from the above address.

ISIS

NEWS OF FORTHCOMING BOOKS

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If you have additional books to suggest for review, please use the above format.
SUPPLEMENTAL LISTING OF MEMBERS

AINLEY, Marianne; 4828 Wilson Ave., Montreal H3X 3P2, Quebec, Canada; History and Philosophy of Science Programs, McGill Univ., Montreal H3A 2T6, Quebec, Canada; (514) 481-9927; Univ. of Montreal, M.Sc., 1980; Biological sciences, American science, 19th-early 20th c., contemporary, social relations of science, scientific instruments, exploration and expeditions, earth sciences, biography, chemistry, scientific disciplines, professionalization of science; History of American ornithology, amateurs in modern science; National science of U.S.A. and Canada.

APT, Adam Jared; 80 Washington St., Belmont, MA 02178; St. Catherine's College, Oxford OX1 3UU, Oxon, England; (617) 484-5037; Oxford 49541; Stud.; Amherst College, B.A., 1977; Astronomy, American science, classical antiquity, 16-17th c.; Thomas Harriot, Ptolemaic astronomy; National science of England.

ASH, Mitchell Graham; Wilmersdorferstr. 152a, 1000 Berlin 10, West Germany; Dept. of History, Harvard Univ., Cambridge, MA 02138; 030-341-1338; Ph.D. Cand.; Harvard Univ., Ph.D.(exp.), 1981; Historiography, Biography, philosophy of science, scientific instruments, social relations of science, humanistic relations of science, American science, sciences of man, 19th-early 20th c., contemporary; General cultural and intellectual history of Europe and America from 1700; History of psychology and the social sciences; National science of Germany and the United States.

BALLESTER, Luis Garcia; Dept. of the History of Medicine, Faculty of Medicine, Granada, Spain; (958) 27.68.08; (958) 22.17.62; Prof.; M.D./Ph.D.; Social relations of science, humanistic relations of science, use of history of science in teaching, biological sciences, sciences of man, medicine, classical antiquity, medieval, 16-17th c., 18th c.; National science of Spain (esp. 14-16th c.).

BARLETTA, Robert E.; RTL, Stephen Dr., Wading River, NY 11792; Brookhaven Natl. Lab., Bldg. 830, Upton, NY 11973; (516) 929-6748; (516) 345-7102; Assoc. Chemist; Brown, Ph.D., 1977; Philosophy of science, chemistry, 16-17th c., 18th c., medieval, use of hist. of sci. in teaching; Theories of Light, magnetism, electricity, interaction of light with matter; National science of U.S. and Britain.

BARTON, Ruth; Dept. of Social Sciences, W.A. Institute of Technology, Hayman Rd., South Bentley, WA 6102, Australia; 350-7094; 272-3728, Dr.; Pennsylvania, Ph.D., 1976; 19th-early 20th c., 16-17th c., sciences of man, humanistic relations of science, social relations of science, philosophy of science, historiography, science education; National science of Britain.

BELICZA, Biserka; Aleja pomoraca 23, Zagreb 41020, Croatia, Yugoslavia; (041) 645-035; (041) 525-858; Medical Faculty of University Zagreb, Ph.D./M.D., 1975; Philosophy of science, social relations of science, humanistic relations of science, use of hist. of sci. in teaching, medicine, classical antiquity, medieval, 16-17th c., 18th c., 19th-early 20th c.; History of medicine: medieval medicine and public health; relations between science and medicine, medical humanities, medicine and society; National science of Croatia, Italy, Austria, France, Germany, England.

BELLONI, Lanfranco Maria; Via Reina 6, 20133 Milan, Italy; Instituto di Scienze Fisiche, Via Celoria 16, 20133 Milan, Italy; 02-715837; 02-296350; Researcher; Univ. of Milan, Dottore in Fisica; Bibliography and archives, use of hist. of sci. in teaching, physics, 19th-early 20th c., contemporary; National science of Italy, Russia.

BLÜHIS, Uldis; Chemistry Deptt., Brooklyn College, Brooklyn, NY 11210; (212) 780-5455; (212) 859-1336; Assoc. Professor; Univ. of California--Berkeley, Ph.D., 1960; Physics, chemistry, alchemy; 16-17th c., 18th c., 19th-early 20th c., contemporary.

BUCHANAN, Rex; Rt. 3 Box 46, Lawrence, Kansas 66044; Kansas Geological Survey, Univ. of Kansas, Lawrence, Kansas 66044; (913) 843-9326; (913) 864-3965; Research Assoc.; Univ. of Wisconsin--Madison, M.A., 1977; American science, earth science; Science writing; National science of U.S.

BURSILL-HALL, Piers; Girton College, Univ. of Cambridge, Cambridge CB3 9JG, England; Dept. of History and Philosophy of Science, Free School Lane, Cambridge CB2 3RH, England; (0223) 65621 x 226; Cambridge, Ph.D., 1981; Historiography, mathematics, 18th c., 19th-early 20th c.; 18th + 19th c. analysis + foundations amongst European mathematicians.

CABAN, David; Collegiate Division of the Social Sciences, Univ. of Chicago, Gates-Blake Hall, Room 432, 5845 S. Ellis Ave., Chicago, IL 60637; (312) 753-1750; (312) 955-8420; Harper
Instructor; Johns Hopkins Univ., Ph.D., 1980; Scientific Institutions, social relations of science, physics, 19th-early 20th c.

CAMBROSI, Alberto; Institut d’Histoire et de Sociopolitique des Sciences, Univ. of Montreal, C.P. 6128, Succ. "A", Montreal H3C 3J7, Quebec, Canada; 514-343-7620; 514-739-8262; GS; Univ. of Montreal, Ph.D.(exp.), 1981; Social relations of science, scientific institutions, biological sciences, sciences of man, 19th-early 20th c., contemporary; science, technology, and society; Radical science movements.

CAMPBELL, Don A.; 4911 Reston Ln., Bowie, MD 20715; Dept. of History, Univ. of Maryland--College Park, College Park, MD 20742; 262-8554; 454-2843; GS; Univ. of Wisconsin, M.A., 1973; Social relations of science, humanistic relations of science, American science, earth sciences, exploration + expeditions, 19th-early 20th c.; Popularization of science, science and popular culture, science fiction and the popularization of science.

CANTERS, G. W.; Gorlaeus Laboratories, Rijksuniversiteit, Wassenaarweg 76, Leiden, The Netherlands; Univ. of Nijmegen, Ph.D., 1969; Philosophy of science, social relations of science, humanistic relations of science, physics, chemistry, 19th-early 20th c., contemporary; National science of The Netherlands.

CASSIDY, David C.; Lehrstuhl für allg. Wissenschaftsgeschichte, Univ. of Regensburg, 8400 Regensburg, West Germany; 0941-943-3644; 0941-27946; Assist.; Purdue-Wisconsin, Ph.D., 1976; Physics, earth sciences, technology, social relations of science, 18th c., 19th-early 20th c., contemporary; National science of Germany.

CERUZZI, Paul E.; 4537 Forest St., Kansas City, MO 64110; Dept. of Am. Studies, Univ. of Kansas, Lawrence, KS 66045; (816) 561-7133; Univ. of Kansas, M.A., 1974; American studies, mathematics, technology, 19th-early 20th c.; History of computers, history of math., American science + technology; National science of U.S., Germany.

CLAGETT, Marshall; Institute for Advanced Study, Princeton, NJ 08540; (609) 924-4400; (609) 921-9065; Prof.; Columbia Univ., Ph.D., 1941; Mathematics, physics, classical antiquity, 16th-17th c.; Ancient, medieval, and renaissance math. and physics.

COLVILLE-STEWART, Sandra B.; History Division, Biomedical Library, U.C.L.A., Los Angeles, CA 90024; (213) 825-9640; Head, History + Special Collections Div.; Univ. College, London, Ph.D., 1976; Bibliography + archives, biological sciences, sciences of man, medicine.

COOK, Harold S.; 1102 Birk, Ann Arbor, MI 48103; Univ. of Michigan, Ann Arbor, MI 48109; (313) 769-0154; Univ. of Michigan, Ph.D., 1981; Scientific institutions, social relations of science, chemistry, exploration + expeditions, medicine, pharmacy, alchemy, primitive societies, 16-17th c., contemporary; Relationship between culture and health care; National science of Britain, France, U.S.

CORONADO, Luis Guillermo; Apartado 333, Cartago, Costa Rica; Dept. of Philosophy, Univ. of Costa Rica, San Pedro, Costa Rica; (506) 51-03-53; Assoc. Prof.; Indiana Univ., Ph.D., 1980; 16-17th c., physics, chemistry, medieval, 19th-early 20th c., scientific revolution, Descartes, philosophy of nature.

DAVIS, Edward S.; 4540 Gifford Rd., 16G, Bloomington, IN 47401; Dept. of History and Philosophy of Science, Indiana Univ., Bloomington, IN 47405; (812) 332-3806; (812) 337-3622; GS; Drexel Univ., 1975, B.S.; Historiography, use of hist. of sci. in teaching, astronomy, physics, 16-17th c.; Ancient and Christianity; Kepler.

DEAN, Dennis R. See p. 64 of Guide. Univ. of Wisconsin, Ph.D., 1968.

DEASEN, Gary Bruce; St. Olaf College, Northfield, MN 55057; (507) 663-3171; (507) 645-7300; Assist. Prof.; Princeton Seminary, Ph.D., 1978; Historiography, philosophy of science, social relations of science, humanistic relations of science, 16-17th c.; Protestantism and rise of science, art and science in the renaissance, science and democratic values; National science of England.

DevORKIN, David B.; 9611 West Bexhill Drive, Kensington, MD 20795; National Air and Space Museum, Smithsonian Institution, Washington, DC 20560; (202) 357-2828; History of Astronomy Curator; Leicester, Ph.D., 1978; Bibliography + archives, Historiography, biography, scientific institutions, instruments, American studies, astronomy, technology, 19th-early 20th c., contemporary; Scientific biography of Henry Norris Russell and the development of modern stellar astrophysics, astronomy and astronomers during World War II.
DICK, Steven J.; U.S. Naval Observatory, 34th and Massachusetts Ave., Washington, DC 20390; (202) 254-4577; (703) 435-9440; Astronomer; Indiana Univ., Ph.D., 1977; Bibliography + archives, historiography, biography, social relations of science, American science, astronomy. 16th-17th c., 18th c., 19th-early 20th c., contemporary; History of space science, history of extraterrestrial life debate.

DONOVAN, Arthur L.; Center for the Study of Science in Society, College of Arts and Sciences, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061; (703) 961-7687; Director; Social studies. See p. 66 of the Guide.

EISELE, Carolyn; 215 East 68th St. (27E), New York, NY 10021; Hunter College, New York, NY 10021; Texas Tech, Lubbock, TX 79409; Prof. Emeritus; Dr.; Texas Tech Univ., D.Hum. (hon.), 1980; Philosophy of science, American science, biography, 19th-early 20th c., contemporary, mathematics, astronomy, physics, chemistry, Charles S. Pierce—esp. his math and hist. of sci.; National science of U.S.

ENGOS, Philip Charles; IHPSY, Univ. of Toronto, Toronto M5S1A1, Ontario, Canada; 416-978-7432; Visiting Assist. Prof. (1980-81); Toronto, Ph.D., 1979; Mathematics, technology, social relations of science, 19th-early 20th c.; Historical sociology of knowledge, esp. math. knowledge; professionalization of math., science, technology; National history of Canada.

FANCHER, Raymond E.; Psychology Dept., York Univ., 4700 Keele St., Downsview M3J 1P3, Ontario, Canada; (416) 667-3757; (416) 485-7130; Prof.; Harvard, Ph.D., 1967; Biography, social relations of science, use of hist. of sci. in teaching, exploration + expeditions, biological sciences, sciences of man, 19th-early 20th c.

FARRALL, Lyndsay A.; School of Humanities, Deakin Univ., Victoria 3217, Australia; (052) 471327; (03) 48 3621; Indiana, Ph.D., 1970; Biological sciences, sciences of man, technology, primitive societies, social relations of science, historiography, 19th-early 20th c., contemporary, history of science + technology in colonial societies, political economy of science + technology; History of eugenics, history of Australian science, systematic knowledge in oral cultures, relations between biological + social theories; National science of Australia.

FELDBERG, Georgiana D.; Dept. of History of Science, Harvard Univ., Science Center 235, Cambridge, MA 02138; (617) 495-3741; (617) 498-2667; Prof.; Harvard, Ph.D., 1980; History of science, 19th-early 20th c., contemporary, history of public health, women in biology and medicine; History of embryology, history of birth control; National science of America and England.

FELDMAN, Theodore S.; Office for the History of Science and Technology, 470 Stephens Hall, Univ. of California, Berkeley, CA 94720; (415) 642-4581; (415) 841-7165; GS; Univ. of California—Berkeley, Ph.D.(exp.), 1982; Physics, 18th c., meteorology; National science of Germany.

FERRY, David Paul; Brussels American School, Dept. of Mathematics, APO, NY 09667; 02-7315625; Chairman: Dept. of Math.; Univ. of Texas—Austin, M.A., 1973; Classical antiquity, mathematics, technology, mechanical devices in antiquity.

FESTA, Roger R.; 111 Winfield St., East Norwalk, CT 06855; Journal of Chemical Education; (203) 866-6969; Biography Editor; Fairfield Univ., C.A.S., 1981; Chemistry, biography, use of hist. of sci. in teaching, alchemy; Scientific biography, curriculum and resource development, history of chemistry curriculum.

FINN, Bernard S.; MHT 5025, Smithsonian Institution, Washington, DC 20560; (202) 357-1963; (301) 656-1924; Curator, Chairman of History of Science and Technology. See p. 71 of the Guide.

FIORI, Mario G.; 1675 Glennmont Rd., Cleveland Hts., OH 44118; Division of Neuropathology, Institute of Pathology, Case Western Reserve Univ., Cleveland, OH 44106; (216) 371-9288; (216) 444-1808; Research Fellow of the Muscular Dystrophy Assoc. of America; Univ. of Milan, M.D., 1974; Medicine, pharmacy, biological sciences, sciences of man, bibliography + archives, primitive societies, Islam, Middle + Near East to 1600, ancient Near East, exploration + expeditions, social relations of science, influence of Arabic sciences on the evolution of western medicine; Medieval MSS relevant to medical sciences; National science of Mediterranean countries.


GARIEPY, Thomas P.; 3869 Yale Station, Yale Univ., New Haven, CT 06520; (203) 432-4289;
HOUCK, Donald R.; Psychology Dept., Louisiana State Univ., Baton Rouge, Louisiana 70803; (205) 436-0813; Dean, Saybrook College; Yale Univ., Ph.D., 1981; Medicine, 19th-early 20th c., philosophy of science, humanistic relations of science, sciences of man; Relation between religion + science; religion + medicine.

GILLESPIE, Richard F.; Dept. of History and Sociology of Science, E. F. Smith Hall D6, Univ. of Pennsylvania, Philadelphia, PA 19104; (215) 243-8575; (215) 748-0912; GS; Occupational medicine, environmental sciences, 20th c.; social sciences, 19-20th c.

GOATLEY, James L.; Dept. of Natural Sciences, Michigan State Univ., East Lansing, MI 48824; (517) 353-1744; (517) 339-2475; Prof.; Purdue Univ., Ph.D., 1962; Chemistry, humanistic relations of science, biography, social relations of science, relations of science and religion; History of carbohydrate chemistry.

GOULD, Stephen Jay; Museum of Comparative Zoology, Harvard Univ., Cambridge, MA 02138; (617) 495-2470; (617) 868-7553; Prof.; Columbia, Ph.D., 1967; Earth sciences, biological sciences, sciences of man, social relations of science, evolutionary theory.

GRANT, Edward; Dept. of History and Philosophy of Science, Goodbody Hall 130, Indiana Univ., Bloomington, IN 47401; (812) 337-3622; (812) 332-9626; Prof.; Wisconsin, Ph.D., 1957; Ancient and medieval science, medieval and Renaissance Aristotelianism, interrelationship of religion and science in all periods; medieval mathematics, physics, and cosmology; concepts of place, space, and vacuum in medieval and early modern physical thought, development of concepts of time.

GUERLAC, Henry; 16 Highgate Circle, Ithaca, NY 14850; Cornell Univ.; (607) 256-6086; Prof. of History of Science; Harvard, Ph.D., 1941; Science in 18th-c. France; chemistry, life and times of Lavoisier, Newton's optical researches.

GUNDLACH, Horst Ulrich Karl; Graimberweg 5, D-6900 Heidelberg, F. R. Germany; Psychologisches Institut der Universität, Hauptstrasse 47-51, D-6900 Heidelberg, F. R. Germany; 06221/547368; 06221/23373; Dr. phil.; Heidelberg, Dr. phil., 1973; Sciences of man, medicine, 19th-early 20th c., philosophy of science, instruments, social relations of science, contemporary.

HALL, Robert E.; Dept. of History and Philosophy of Science; Queen's Univ. of Belfast, Belfast BT7 1NN, N. Ireland; (0232) 45133 X 3385; Lecturer in History of Science; Harvard, Ph.D., 1981; Islam, Middle + Near East to 1600, classical antiquity, medieval, humanistic relations of science, physics, historiography, history of natural philosophy, history of faculty psychology; Cultural relations of medieval Islamic science, medieval Islamic science and philosophy, history of physics; National science of Arab countries.

HANKINS, Thomas L.; Dept. of History DP-20, Univ. of Washington, Seattle, WA 98195; (206) 543-5695; (206) 524-5563; Professor; Cornell, Ph.D., 1964; Biography, mathematics, physics, 18th c., 19th-early 20th c., history of mechanics; Sir William Rowan Hamilton, Jean d'Alembert, Manhattan Project; National science of France, England.

HASLAM, Miss Margaret Mary; 5 Haven Bank, Boston MA218SB, Lincolnshire, England; London, M.Sc., 1928; Biography, chemistry; Chemistry, 15-17th c.

HERMIDA, Elizabeth M.; 174 E. Clinton Ave., Tenafly, NJ 07670; Hunter College; (201) 569-1646; Undergraduate.

HILL, H. Stanton; 2661 Bowring Dr., Altadena, Ca 91001; Curator of Minerals, Div. of Geol. and Planetary Sciences, Cal Tech, Pasadena, CA 91125; (213) 794-7376; Prof. Emeritus, Pasadena City College; Claremont, M.A., 1941; Earth sciences, philosophy of science, 16-17th c., 18th c., 19th-early 20th c.; Development of geological ideas, collection of rare books in this field; National science of United Kingdom, U.S.

HUFFELD, Donald R.; Psychology Dept., Louisiana State Univ., Baton Rouge, Louisiana 70803; 388-0745; 766-5661; Prof.; Wisconsin, Ph.D., 1958; Historiography, philosophy of science, social relations of science, biological sciences, sciences of man, classical antiquity, medieval; Life sciences, classical + medieval.

HOLTON, Gerald. See p. 86 of the Guide. Mallinckrodt Prof. of Physics and Prof. of the History of Science.

HOUCK, Donna M.; Kenwyn Apts., 1B, 50th + Wynnefield Ave., Philadelphia, PA 19131; Dept. of History and Sociology of Science, Univ. of Pennsylvania, Philadelphia, PA 19104; GS; OSU, B.A., 1980; Philosophy of science, instruments, social relations of science, astronomy, humanistic relations of science, physics, sciences of man, technology, effects of science
on literature; National science of Germany.

HÖYRUP, Jens; Roskilde University Centre, P.O. Box 260, DK-4000, Denmark; 45-2-363611; Senior Lecturer; Univ. of Copenhagen, cand. scient., 1969; Philosophy of science, social relations of science, humanistic relations of science, mathematics, sciences of man, ancient Near East, classical antiquity, medieval, Islam, Middle + Near East to 1600, 16-17th c.; Social and intellectual history of pre-modern sciences, esp. the mathematical sciences.

HUGHES, Phillip S.; 56 Huntington St., New Brunswick, NJ 08901; Social relations of science.

JONGSMA, Calvin; 631 Bunting Rd., St. Catharines L2M 2Z9, Ontario, Canada; Institute for the History and Philosophy of Science, Univ. of Toronto, Toronto M5S 1A1, Ontario, Canada; (416) 935-3989; 19th-early 20th c., mathematics, historiography, philosophy of science, use of hist. of sci. in teaching, history of logic, history of philosophy and foundations of mathematics, history of analysis; 19th-early 20th-c. foundations of mathematics and mathematical logic; National science of England, U.S.

JOY, Lynn S.; 40 Charles River Road, Watertown, MA 02172; Dept. of the History of Science, Science Center 235, Harvard Univ., Cambridge, MA 02138; GS; Philosophy (Descartes-Kant), 17-18th-c. physics, medieval science and philosophy, French scientific academies, World War II and nuclear weapons technology.

KANKANPI, Jari Tj; Paraistente 17 B 4, SF-00280 Helsinkii 28, Finland; (90) 415639; Univ. of Helsinki, M.D., 1980; Biography, philosophy of science, social relations of science, humanistic relations of science, sciences of man, medicine, technology, ancient Near East, Islam, Middle + Near East to 1600, contemporary, science popularization; Medicine--cancer, birth defects, medical technology; National science of Finland, Iran, U.S.

KAPLAN, Barbara Beigun; 8828 Handering Trail Dr., Potomac, MD 20854; (301) 424-0672; Univ. of Maryland, Ph.D., 1979; Medicine, 15-17th c., social relations of science, medieval, alchemy, philosophy of science, pharmacy, biological sciences, chemistry; 17th-c. English medicine and science, hermetic tradition, theories of disease, medieval and Renaissance science, history of atomism; National science of England.

KATZ, David A.; 641 Hazelwood Rd., Ardmore, PA 19003; Dept. of Chemistry, Comm. College of Philadelphia, 34 South 11th St., Philadelphia, PA 19107; (215) 642-5231; (215) 972-7344; Assist. Prof. of Chemistry; Villanova Univ., M.Sc., 1974; Use of hist. of sci. in teaching, chemistry, alchemy, chemistry and alchemy (ancient times through early 20th c.), atomic structure and nuclear chemistry; Books of secrets (chemical arts).

KATZ, Victor J.; 841 Bromley St., Silver Spring, MD 20902; Dept. of Mathematics, Univ. of D.C., 425 2nd St. N.W., Washington, DC 20001; (301) 649-5729; (202) 727-2372; Assoc. Prof. of Mathematics; Brandeis, Ph.D., 1968; Use of hist. of sci. in teaching, mathematics, astronomy, primitive societies, ancient Near East, Islam, Middle + Near East to 1600, 19th-early 20th c.; Differential forms (mathematics).

KING, David A.; Dept. of Near Eastern Langs. and Lit., New York Univ., New York, NY 10003; (212) 598-2411; (212) 260-1310; Assoc. Prof. of Arabic and History of Science; Yale, Ph.D., 1972; Bibliography + archives, instruments, mathematics, astronomy, astrology, medieval, Islam, Middle + Near East to 1600; Astronomy and math in medieval Islam; National science of the Near East.

KINGSLAND, Sharon E.; IHPSST, Univ. of Toronto, Toronto M5S 1A1, Ontario, Canada; (416) 978-7432; (416) 929-5878; GS; Univ. of Toronto, Ph.D.(exp.), 1981; biography, social relations of science, American science, biological sciences, 19th-early 20th c., contemporary; History of ecology; National science of U.S., Canada.

KLOEPPEL, Peter K.; Dept. of Physics, Monmouth College, Monmouth, IL 61462; (309) 457-2069; (309) 734-7222; Assoc. Prof.; Univ. of Chicago, Ph.D., 1963; Physics, astronomy, mathematics, contemporary.

LaBAR, Martin; Central Wesleyan College, Central, SC 29630; (803) 639-2453; Prof.; Univ. of Wisconsin, Ph.D., 1965; Biological sciences, social relations of science, humanistic relations of science, philosophy of science.

LANDSMAN, Jay Savage; 171 Rolling Green Dr., Amherst, MA 01002; Dept. of Entomology, Fernald Hall, Univ. of Massachusetts, Amherst, MA 01003; (413) 253-3704; (413) 545-2285; GS; Univ. of Mass., M.S., 1982; Biography, philosophy of science, explorations + expeditions, biological sciences, primitive societies, 18th c., 19th-early 20th c.; 19th-c. British biology, evolutionary theory; National science of U.S., France, England.
LANKFORD, John; History Department, 143 A + S Building, Univ. of Missouri, Columbia, Missouri 65211; (314) 882-3878; (314) 442-6156; Professor of Social History; Wisconsin—Madison, Ph.D., 1962; Bibliography + archives, biography, scientific institutions, instruments, social relations of science, American science, astronomy, physics, 19th—early 20th c., contemporary, social history of instrumentation, esp. astronomical photography, collective biography of American astronomers, ca. 1860-1920; Rise of astrophysics and the transformation of the American astronomical community, ca. 1860-1920; National science of U.K., U.S., France, Germany.

LEEDWATER, Arie; Dept. of Chemistry, Calvin College, Grand Rapids, MI 49506; (616) 949-4009 (ext. 373); (616) 942-2178; Ohio State, Ph.D., 1967; Historiography, philosophy of science, use of hist. of sci. in teaching, physics, chemistry, 16-17th c., 19th—early 20th c.

LOGH, Charlene; 330 South Washington St., Dillon, Montana 59745.

LUEG, Andrew; Dept. of Philosophy, Univ. of Ottawa, Ottawa KIN 6N5, Ontario, Canada; (613) 231-3914; (613) 234-5252; Assist. Prof.; Univ. of Michigan, Ph.D., 1974; Philosophy of science, social relations of science, historiography; Historically oriented philosophy of science, sociology of scientific knowledge.

LUTHER, Paul W.; Astronomy Books, P.O. Box 262, Bernardston, MA 01337; (413) 645-9393; Director, History of Astronomy Resource Center; Columbia College, B.A., 1968; Astronomy, American science, 19th—early 20th c., bibliography + archives, biography; History of Astronomy and its preservation; National science of U.S.


MAROULIS, George; Ploutonos 44, Korydallos, Piraeus, Greece; Univ. Cath. de Louvain, D.Sc., 1980; Quantum metatheory.

MASUDA, Yukio; 2-11-12, Kichijoji-Higashicho, Musashino, Tokyo, Japan; Dept. of Chemistry, Japan Women’s Univ., Tokyo, Japan; 0622-22-5072; 03-943-3131; Prof.; Osaka Univ., Ph.D., 1961; Philosophy of science, social relations of science, chemistry, contemporary, sociology of science; Social responsibility of scientists, women and science, the future of science; National science of Japan.

MCGINN, Robert E.; c/o VTS Program, Stanford Univ., Hldg. 370, Rm. 372, Stanford, CA 94305; (415) 497-2565; (415) 326-8559; Adjunct Prof. of Industrial Engineering, Engineering-Economic Systems, and Values, Technology, and Society (VTS); Stanford, Ph.D., 1970; Social relations of science, humanistic relations of science, technology, philosophy of science, philosophy of technology, history of technology; science, technology and society; ethics and values in science and technology; Impact of technology on human values, on Western culture, and on social thought and institutions, esp. in the 20th century; course development in “Western Culture and Technology: The Modern Period”; technology and public policy.

MCKNIGHT, John L.; William Small Physical Lab., College of William and Mary, Williamsburg, VA 23185; (804) 253-4471; (804) 229-5294; Professor of Physics; Yale, Ph.D., 1957; Philosophy of science, scientific institutions, instruments, humanistic relations of science, physics, 18th c., concept and theoretical constructs in physics, 18th—early 19th c., physics and physics apparatus; William Small, G. S. Ohm.

MCKOWN, Cornelius J.; 440 Orlando Ave., State College, PA 16801; Penn State Univ., University Libraries, University Park, PA 16802; (814) 237-0143; (814) 865-7617; Physical Sciences Librarian—Sr. Asst. Librarian; Penn. State, M.S., 1960; Univ. of Pittsburgh, M.L.S., 1970; Bibliography + archives, historiography, biography, social relations of science, humanistic relations of science, authorship, chemical sciences, medical, Islam, Middle + Near East to 1600, scientist involvement in Esperanto language movement, part. 1887—pre-World War II.

McNALLY, Donald H.; 59 Elizabeth Court, Hamilton L8S 15S, Ontario, Canada; IHATS, Univ. of Toronto, Toronto M5S 1A1, Ontario, Canada; (416) 526-6556; Univ. of Toronto, Ph.D., 1961; Historiography, biology, philosophy of science, social relations of science, humanistic relations of science, earth sciences, biological sciences, 16—17th c., 19th—early 20th c.; National science of Britain, Canada, America.

MEINEL, Christoph; Institut für Geschichte der Pharmazie, Roter Graben 10, D-3550 Marburg, West Germany; 06421-282829; 06421-27290; Dr.; Marburg, Dr. rer. nat., 1977; Scientific institutions, (chemistry, alchemy, 18th c., 19th—early 20th c., international relations and communication in science; Emergence of chemistry as scientific discipline. 

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MELHADO, Evan M.; Univ. of Illinois, Dept. of History, 309 Gregory Hall, Urbana, Illinois 61801; Univ. of Illinois at Urbana-Champaign, Depts. of History and Chemistry; (217) 333-6175; (217) 367-6592; Assist. Prof.; Princeton, Ph.D., 1977; Chemistry, physics, medicine, biological sciences, biology, historiography, 18th c., 19th-early 20th c., American science, American medicine; 18th + 19th century physical sci. + 19th-20th c. medicine; National science of France, Sweden.

MILLER, Arthur I.; Dept. of Physics and Applied Physics, Univ. of Lowell, Lowell, MA 01854; (617) 452-5000; Prof.; MIT, Ph.D., 1965; 19-20th c. physical sciences and mathematics, interdisciplinary studies, esp. the interplay between science and philosophy, and the origins and construction of scientific concepts; science and society, use of hist. of sci. in science teaching.

MUSGRAVE, John Brent; 169 Abbotsfield Rd., Edmonton T5M 4J9, Alberta, Canada; Alberta Natural Resources Centre; (403) 474-5740; Superintendent; Social relations of science, use of hist. of sci. in science teaching, astronomy, medicine, astrology, alchemy, music, Far East, contemporary, history of technology; Astronomy, unidentified flying objects, Marxism-Leninism and development of science, Chinese science, electricity in medicine and psychiatry, astrology and alchemy.

MYERS, Fred S.; c/o Sophia Univ., 4, Yonban-cho; Chiyoda-ku, Tokyo 158, Japan; 03-70-05-0880; Professor of Physics, Astronomy, and Philosophy; Penn State, Ph.D., 1971; Physics, astronomy, philosophy of science, humanistic relations of science, social relations of science, use of hist. of sci. in teaching, sciences of man, India, astrology, alchemy; Philosophy, science, religion; National science of India, China, Japan.

NAKAJIMA, Hideto; 1-39-4, Sekimachi, Nerima-ku, Tokyo 177, Japan; 03-920-7761; 03-467-1171; GS; Tokyo Univ., B. of Gen. Ed.; Histology, instruments, astronomy, physics, biological sciences, technology, 18th c., 19th-early 20th c.; Physical science (late 17th-19th c.); National science of Japan.

NELSON, Clifford M.; U.S. Geological Survey, 904 National Center, Reston, VA 22092; (703) 860-6575; Univ. of California—Berkeley, Ph.D., 1974; Earth sciences, biological sciences, exploration + expeditions, American science, 19-early 20th c., contemporary, biography; U.S. Geological Survey and predecessor agencies, scientific illustration.

NERI, Barrio Patricia; Cerro Tres Mujeres—330, Campestre Churubusco, Mexico D. F. 21, Mexico; 549-5689; 1982; Physics, philosophy of science, instruments, use of hist. of sci. in teaching, mathematics, chemistry, biological sciences, music, contemporary, social relations of science; National science of Mexico.

NIEBLY, Karl H.; 601 South 15th St., San Jose, CA 95112; Prof. Emeritus (Temple); Wisconsin, Ph.D., 1936; History of scientific methodology, nature and structure of scientific revolutions, philosophy of science, social relations of science.

NISHIMURA, Mitsu; Dept. of Biology, Faculty of Science, Kyushu Univ. 33, Fukuoka 812, Japan; 092-641-1101 (4412 ext.); 09403-6-1982; Prof.; Univ. of Tokyo, Ph.D., 1958; Chemistry, biological sciences; History of bioenergetics and the study of photosynthesis.


OLESKO, Kathryn M.; Dept. of History, Neville Hall, Georgetown University, Washington, D.C. 20057; Assist. Prof.; Cornell, Ph.D., 1980; Historiography, physics, 19th-early 20th c.; Königsberg school of physics; National science of Germany.

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OPPENHEIMER, Jane M.; K-1 Mayflower Apartments, 922 Montgomery Ave., Bryn Mawr, PA 19010; Bryn Mawr College, Bryn Mawr, PA 19010; (215) LA 5-6044; (215) 645-5093; Prof. Emeritus, Biology and History of Science; Yale Univ., Ph.D., 1935; Biological sciences, medicine, 18th c., 19-early 20th c.; History of embryology.
social relations of science, use of hist. of sci. in teaching, mathematics, physics, chemistry, technology, 19th-early 20th c.; National science of England.

RICHARDS, Robert J.; 2705 W. Fitch, Chicago, IL 60645; Univ. of Chicago, Foster Hall, Chicago, IL 60637; (312) 743-8945; (312) 753-4295; Assist. Prof. in Hist. of Sci.; Chicago, Ph.D., 1978; Historiography, philosophy of science, biological sciences, sciences of man, classical antiquity, medieval, 16-17th c., 18th c., 19th-early 20th c.; History and philosophy of evolutionary biopsychology, perception, psychology.

RIDER, Robin; Office for History of Science, Univ. of California, Berkeley, CA 94720; (415) 642-4581; GS; Univ. of California--Berkeley, Ph.D.(exp.), 1980; Mathematics, 18th c., 18th-c. algebra, 20th-c. emigre mathematicians.

RON, Moshe; Jewish National Univ.; Library, P.O. Box 503, Jerusalem 91000, Israel; 02-585020; 02-632638; Senior Curator--History of Science; Hebrew Univ., M.Sc., 1976; Bibliography + archives, biography, instruments, humanistic relations of science, chemistry, technology, alchemy, medieval, 18th c., 19th-early 20th c.; Chemistry of 18th, 19th, early 20th c., popular science writing, press, radio; National science of Israel.

ROSE, Mark H.; Dept. of Social Sciences, Michigan Technological Univ., Houghton, MI 49931; (906) 487-2113; Assoc. Prof. of Science, Tech., and Society; Ohio State, Ph.D., 1973; Social relations of science, humanistic relations of science, sciences of man, technology, the history of technology and the shaping of urban areas; Technology in its business setting.

SANCHEZ-RON, Jose Manuel; Paseo de los Pontones 27, Madrid 5, Spain; Dept. de Fisica Teorica, Universidad Autonoma, Canto Blanco, Madrid 34, Spain; 7340100/ext. 1891; Professor Adjunto; London, Ph.D., 1978; Physics, 19th-early 20th c., contemporary, philosophy of science, mathematics, social relations of science, astronomy, scientific institutions, biography, historiography, history of 20th-c. dynamics; National science of Spain, England, U.S.

SALDANA, G. Juan Jose; J. M. Izzagaga 57-503, Mexico l, D.F., Mexico; Dr.; Univ. of Paris, Ph.D., 1980; Philosophy of science, social relations of science, humanistic relations of science, physics, technology, classical antiquity, 19th-early 20th c.; Social relations of science and of history of science, history of science and technology in Mexico and third world countries; National science of Mexico.

SCHMIDT, Michael S.; 10 Jefferson St., Warren, PA 16365; (814) 723-6432; (814) 726-1000/ ext. 319; Montana State Univ., M.A., 1979; Philosophy of science, humanistic relations of science, use of hist. of sci. in teaching, biological sciences, religion and science; Psychophysiology; National science of Germany.

SCHNEIDER, Ivo H. L.; Institut für Geschichte der Naturwissenschaften, Universität München, Deutsches Museum, 8000 München 26, West Germany; 089/2180-3253; 089/3231876; Prof. Dr. rer. nat.; München, Habilitation, 1972; Philosophy of science, instruments, social relations of science, mathematics, physics, technology, classical antiquity, 16-17th c., 18th c.; History of Probability and Statistics.

SCHRÖTTER, Thomas; c/o Hovne, Rehov Pinsker 7, Jerusalem, Israel; GS; Univ. of Aarhus, M.Sc., 1979; Scientific institutions, social relations of science, American science, mathematics, 19th-early 20th c., contemporary; National science of Scandinavia, Israel.

SCOTT, Cyril; 1 Church St., Mere, Wiltshire BA12 6DS, England; 0747 860297; Colonel; Univ. of London, M.Sc., 1975; Physics, 19th-early 20th c.

SCRIBA, Christoph J.; Inst. Gesch. Naturwiss., Bundesstr. 55, D-2000 Hamburg 13, Fed. Repub. of Germany; (040) 4123-2093/94; Prof.; Giessen, Dr. rer. nat., 1957; Mathematics, historiography, scientific institutions, technology, music, 16-17th c., 18th c., 19th-early 20th c., development of history of science and history of mathematics as an academic discipline, bibliography + archives; Euler, Gauss, Leibniz, Wallis; National science of Germany, England, France.

SELENIUS, Claes-Olof; Dagermansgatan 8, 75428 Uppsala, Sweden; (0) 18-32 33 34; PD Professor Dr.; Abo akademi, Docent, prof., 1963; India, mathematics, Far East, use of hist. of sci. in teaching, 19th-early 20th c., classical antiquity, medieval, Islam, Middle + Near East to 1600, contemporary, history and didactics of math and science; Ancient and medieval number theory, Swedish math and science, didactics of math; National science of India, Sweden, Denmark, Norway, Russia, Holland, Finland.

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University, Grand Central + Utopia Pkwy., Jamaica, NY 11439; 969-8000; Prof. of Psychology; Fordham, Ph.D., 1946; Cedar Crest College, L.H.D.(hon.), 1980; Philosophy of science, social relations of science, humanistic relations of science, American science, sciences of man, contemporary, historiography; History of American psychology, women in the history of psychology; National science of U.S., Germany.

SHAPIN, Steven; Science Studies Unit, Edinburgh Univ., 34 Buccleuch Place, Edinburgh EH8 9JT, Scotland; 031-667-1011 x6129; 031-229-6248; Lecturer; Pennsylvania, Ph.D., 1971; Historiography, scientific institutions, social relations of science, biological sciences, sciences of man, 16-17th c., 18th c., 19th-early 20th c.; National science of England, Scotland.

SHORE, Steven N.; Dept. of Astronomy, Case Western Reserve Univ., Warner and Swasey Observ., 1975 Taylor Rd., East Cleveland, OH 44112; (216) 451-5624/368-3728; (216) 932-1958; Assist. Prof. of Astronomy; Univ. of Toronto, Ph.D., 1978; Philosophy of science, astronomy, physics, mathematics, scientific institutions, biography, philosophy of mathematics; Medieval and early modern physics and astronomy, gravitation theory, history of quantum mechanics, Aristotle in the Middle Ages, philosophy of science in 20th-c. physical sciences; National science of U.S., England, Scotland, Germany, Denmark.

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SINCLAIR, Bruce; HPST, Univ. of Toronto, Toronto M5S 1A1; (416) 978-5159; (416) 920-8645; Prof.; Case-Western Reserve, Ph.D., 1966; Technology, American science, 19th-early 20th c., scientific institutions, social relations of science; History and technology of technical institutions; National science of Canada, U.S.

SIRAISI, Nancy G.; 516—10th St., Brooklyn, NY 11215; Dept. of History, Hunter College, 695 Park Ave., New York, NY 10021; (212) 768-2606; (212) 570-5617; Prof.; C.U.N.Y., Ph.D., 1970, Medieval, medicine, social relations of science, humanistic relations of science, sciences of man, Italy, history of universities; Medicina, liberal arts, philosophy, and science in the Italian universities, 13-15th c.

SKIFF, Peter D.; Bard College, Annandale-on-Hudson, NY 12504; (914) 758-6822; Prof. of Physics; La. State Univ., Ph.D., 1966; Philosophy of science, physics, classical antiquity, biography, use of hist. of sc. in teaching, archaeoastronomy, quantum mechanics; Newton, quantum/classical reduction.

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SPANIER, Bonnie B.; Bunting Institute of Radcliffe College, 3 James St., Cambridge, MA 02138; (617) 495-3750/-8649; (617) 724-8877; Research Assoc.; Harvard, Ph.D., 1975; Biography, scientific institutions, social relations of science, humanistic relations of science, use of hist. of sc. in teaching, American science, biological science, medicine, contemporary, 19th-early 20th c.; Women in science.

SPONHOLZ, Martin Philip; Luther High School, 1501 Wilson St., P.O. Box 129, Onalaska, WI 54650; (608) 783-5435; (608) 782-8491; Chairman, Science Dept.; Wisconsin, M.Sc., 1965; Humanistic relations of science, use of hist. of sc. in teaching, exploration + expeditions, Islam, Middle + Near East to 1600, science and religion, 18-20th-c. atmospheric physics, geophysics, polar regions; Planetary boundary layer meteorology, glaciology.

STAVROUDIS, Orestes H.; Optical Sciences Annex, 528 N. Martin Ave., Tucson, Arizona 85719; Optical Sciences Center, Univ. of Arizona, Tucson, Arizona 85721; (602) 626-3538; (602) 327-7072; Prof.; Univ. of London, Ph.D., 1959, Physics, mathematics, classical antiquity, medieval, 16-17th c., 18th c.; The development of optics, theories of vision/ light.

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WRIGHT, John P.; Dept. of History of Medicine and Science, Health Sciences Centre, Univ. of Western Ontario, London N6A 5C1, Ontario, Canada; (519) 679-6464; (519) 433-9149; York Univ., Toronto, Ph.D., 1975; Sciences of man, biological sciences, medicine, 18th c., 16-17th c., humanistic relations of science; Mechanism in physiology and medicine in the seventeenth and eighteenth centuries, 17-18th-c. psychiatry + psychology, 17-18th-c. matter theory; National science of England, France, Scotland.

YODER, Joella G.; 11720 SE 92nd St., Renton, WA 98055; (206) 271-4025; Wisconsin, Ph.D.(exp.), 1981; Mathematics, 16-17th c., medieval; Mathematization of science, Huygens; National science of Low Countries, France.


Gerald M. Britan. Bureaucracy and Innovation: An Ethnography of Policy Change. (Sage Library of Social Research, 115.) 167 pp., bibl., index. Beverly Hills: Sage, 1981. $18 (cloth); $8.95 (paper).


María Luisa Dalla Chiara (Editor). Italian Studies in the Philosophy of Science. Foreword by Robert S. Cohen and Marx W. Wartofsky, Principal translations by Carolyn R. Fawcett. (Boston Studies in the Philosophy of Science, 47.) xi + 529 pp., illus., bibli., index. Dordrecht/Boston/London: Reidel, 1981. £73.50 (cloth); £34 (paper).


Noel G. Coley; Vance M. D. Hall (Editors). Darwin to Einstein: Primary Sources on Science and Belief. 16 + 358 pp., index. Harlow, Essex: Longman, in association with The Open University Press, 1980. £9.95, $25.


Felix Franks. Polywater. ix + 208 pp., illus., bibli., index. Cambridge, Mass./London: MIT Press, 1981. $15.

Santiago Garra (Editor). El científico español ante su historia la ciencia en España entre 1750-1850: I congreso de la Sociedad Española de Historia de las Ciencias. Foreword by Luis Larroque. 389 pp., illus., index. Madrid: Sociedad Española de las Ciencias, 1980.


Bern Dibner, Introduction by Robert P. Multhaup. xxiii + 96 pp., illus., index. Second edition. Norwalk, Conn.: Burndy Library and Smithsonian Institution, 1980. $14.95 (cloth); $8.95 (paper).


Heralds of Science, Preface and notes by Bern Dibner. Introduction by Robert P. Multhaup. xxiii + 96 pp., illus., index. Second edition. Norwalk, Conn.: Burndy Library and Smithsonian Institution, 1980. $14.95 (cloth); $8.95 (paper).


Michael Hunter. Science and Society in Restoration England. xi + 233 pp., zpp., bibli., index. Cambridge/London/New York: Cambridge University Press, 1981. $37.50 (cloth); $12.95 (paper).


David J. Jeremy. Transatlantic Industrial Revolution: The Diffusion of Textiles Technologies between Britain and America, 1790-1830s. xvii + 394 pp., illus., bibli., index. Cambridge, Mass.: MIT Press, 1981. $32.50.


Nehemiah Jordan. The Wisdom of Plato: An Attempt at an Outline. 2 volumes. 1077 pp., Lanham, Maryland: University Press of America, 1981. $47.50 (cloth); $33 (paper).

William M. Jordan (Editor). History of Geology in the Northeast: Proceedings of a Symposium. (Special issue of Northeastern Geology, vol. 3, no. 1, 1981.) II + 103 pp., illus., bibli. (Available from Northeastern Geology, P.O. Box 746, Troy, NY 12180. $8.80 post paid. Subscriptions, 4 issues, $15.)


John Kriek. Science, Revolution and Discontinuity. (Harvester Studies in Philosophy, 10.) 231 pp., bibli., index. Hassocks, Sussex: Harvester


Joan Mark. Four Anthropologists: An American Science in its Early Years. x + 209 pp., illus., bibl., index. New York: Science History Publications, 1981. $20.


Arthur I. Miller. Albert Einstein’s Theory of Relativity: Emergence (1905) and Early Interpretation (1905-11). xxviii + 466 pp., illus., app., bibl., index. Reading, Mass.: Addison-Wesley, 1981. $39.50 (cloth); $27.50 (paper).


Ilya Prigogine. From Being to Becoming: Time and Complexity in the Physical Sciences. xix + 272 pp., illus., bibl., indexes. San Francisco: W. H. Freeman, 1980. $24.95 (cloth); $12.95 (paper).

Jean Randier. Marine Navigation Instruments. Translated by John E. Powell. 219 pp., illus., app., bibl., index. London: John Murray, 1980. (Distributed in the U.S.A. by Humanities Press, Atlantic Highlands, N.J.) $47.50.


Shen Li-sheng (Editor). Chung-kuo shih-yu yuan ($0.32).


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<td>William Wallace. Prelude to Galileo: Essays on Medieval and Sixteenth-Century Sources of Galileo's Thought. Edited by Robert S. Cohen and Marx W. Wartofsky. (Boston Studies in the Philosophy of Science, 52.) xiii + 369 pp., illus., bibl., indexes. Dordrecht/Boston/London: Reidel, 1981. $49.95 (cloth); $23.50 (paper).</td>
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mathematics and astronomy; Hebrew and Arabic texts;

medieval Europe; medieval [nd early modern intellec­

al history studies; 18-19c chemistry and geology;

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The Society also should provide leadership in

linking the history of science to cognate fields.

To secure public understanding of, and support for,

the social and cultural study of science, we must

help forge coherent and comprehensive programs that

demonstrate the larger significance of our efforts.

Bruce Eastwood, University of Kentucky, Lexington,

Kentucky. University of Wisconsin Ph.D. 1964; pre-

hellenistic optics and visual theory; astronomy and
cosmology; scientific diagrams and illustrations in

medieval Europe; medieval and early modern intellec­
tual history.

On a broad level, I would like to draw upon my

experiences as four-year chairman of the Steering

Committee for the Southern Association of HSS to

support and encourage regional and local interest

groups. These associations are essential to the

maintenance of a sense of community in a widely

scattered profession like ours. At the local level,

the place of History of Science within general

education is a basic issue requiring attention for

the immediate future. Within both history education

and science education there is a need to apply the

special abilities of historians of science in

general education courses. (At the moment, the

temporary successes of Scientific Creationism bear

witness to some failure of general education in

science—a failure which historians of science are

well placed to address and to help ameliorate).

Finally, on the individual level, the current

threats to support for research in History and

Philosophy of Science under NSF (and even NEH)

demand not only reaction but a search for new

sources and new kinds of support for individual

research. We need to work at all of these levels.

Bernard R. Goldstein, Department of History and

Philosophy of Science, University of Pittsburgh.

Brown University Ph.D. 1963; ancient and medieval

mathematics and astronomy; Hebrew and Arabic texts;

astronomical tables; transmission of astronomy;

astrological documents; mathematical models in

astronomy.

I believe the Society has been largely successful in

meeting the needs of its members, and I will work

towards extending these endeavors as opportunities

arise.

Frederick Gregory, Department of History, Uni-

versity of Florida, Gainesville. Harvard University

Ph.D. 1973; philosophy of science; humanistic

relations of science; physics; exploration and

expeditions; biological science 16-17c; 18c, 19-

early 20c biography; Naturphilosophie; German

science and the universities in 18c; national science

of Germany.

In this time of budgetary cutbacks the Society must

exert a special effort to increase its visibility and

that of the profession among federal granting agencies

and to help its members locate research support within

the private sector. Beyond this priority I urge that

the Society continue in its stated commitment to seek

new ways to incorporate history of science into

college and high school curricula, thereby opening up

new positions and opportunities for its members.

Finally, I believe that the Society should increase

its determination to cultivate the important relation­

ship between historians of science and practicing

scientists.

Sandra Herbert, Department of History, University

of Maryland-Baltimore County. Brandeis University

Ph.D. 1968; biological sciences, earth sciences,

sciences of Man; biography; use of history in science

teaching; exploration and expeditions; 19-early 20c;

Darwin studies.

The primary role of the Council is to maintain the

two forums for communication within the Society, the

annual meeting and Isis. Secondly the Council is

responsible for representing the history of science

as a discipline within the larger world of scholarship

and for aiding members of the Society in their work as

historians of science in whatever ways seem reasonable

and constructive.

Ernst Mayr, Museum of Comparative Zoology, Harvard

University. University of Berlin Ph.D. 1926; history

of ideas; biology, especially evolutionary biology

and systematics.

(Statement not available owing to absence abroad)

Shirley A. Roe, Harvard University, Cambridge.

Harvard Ph.D. 1976, history of the biological sciences

especially 17-18c; history of philosophy of science;

Enlightenment science.

The history of science can play an important role in

society by incorporating its perspectives into the

educational and thinking of scientists, policy makers,

philosophers of science, and the general public.

Toward this end we should seek to promote further

communication with allied disciplines, encourage

efforts to include history and philosophy of science

as vital parts of general education programs, and

discourage overspecialization in graduate training.

Philip Sloan, Program in the History and Philosophy

of Science, University of Notre Dame. University of

California, San Diego Ph.D. 1970; 17-20c life science;

Darwin and Buffon studies; modern intellectual history;

history of taxonomy; science in the liberal arts

curriculum.

As a profession, I see the history of science entering a

new era in its relations to cognate disciplines and

departments. Whereas the ties with practicing

scientists seem to be weakening, those with traditional

historians, sociologists, and philosophers of science

are deepening. This will present challenges and

tensions within the society that I would like to see

resolved in ways that will maintain the traditional

breadth of interest and diversity within the disci­

pline. If elected, I would particularly be concerned to

see two practical developments in light of this.
First, I would encourage the holding of annual meetings individually with the full range of sister societies (SHOT, PSA, SSSS) on a rotating basis. Secondly, I would seek to promote continuing contact with practicing science by seeking means to increase the number of employment opportunities of professional historians of science in traditional science departments. This would encourage the continuing presence within the society of professionals with strong scientific interests in a way that is not necessarily accomplished by joint meetings with the AAAS.

Edith D. Sylla, Department of History, North Carolina State University. Harvard Ph.D. 1971; late medieval and Renaissance natural philosophy, logic, and mathematics; the transition between medieval science and the Scientific Revolution; the interplay of science and Christian theology.

In the present circumstances of budget and program cutbacks, there are many able historians of science who have had and will continue to have difficulty finding jobs suitable to their training and talents. Members of the profession must exercise ingenuity, courage, and perseverance in finding or creating new sorts of jobs that make use of the interests and skills of the historian of science. At the same time there is a danger that even those who are securely employed will begin to suffer from an increasing loss of morale. The HSS should do everything it can to help its members maintain and improve the intellectual and social circumstances of their work. This should include frequent communication with each other through the annual meetings, Isis, the HSS Newsletter, and any other means that can be devised, and a continued effort to convince those outside our field, including scientists and the lay public among other groups, of the importance of what we do.

Albert Van Helden, Department of History, Rice University. Imperial College-University of London Ph.D. 1970; Scientific Revolution; astronomy, telescopes, 17c observational astronomy.

(Statement not available owing to absence abroad)

Candidates for Nominating Committee

Council Members:

Stephen Brush, Department of History and Institute for Physical Science and Technology, University of Maryland. Oxford University D.Phil. 1958; physics, earth sciences, astronomy, use of history in science teaching, 19-early 20c, contemporary; geophysics; astrophysics.


Elizabeth Garber, Department of History, SUNY Stony Brook. Case Institute Ph.D. 1967; 19-20c physical sciences, intellectual history.

Daniel Kevles, Humanities Division, California Institute of Technology. Princeton University Ph.D. 1964; American science, scientific institutions, social relations of science, humanistic relations of science, physics, biological sciences, 19-early 20c contemporary; genetics, eugenics; national science of Britain.

David Lindberg, Department of History of Science, University of Wisconsin; Indiana University Ph.D. 1960; natural philosophy and physical science to 1700; the occult; early optics and ophthalmology.

Kenneth Taylor, Department of History of Science, University of Oklahoma. Harvard University Ph.D. 1968; 18c science and technology; development of geology; science in 18c-early 19c France.

Non-Council Members:

Joe Burchfield, Department of History, Northern Illinois University. Johns Hopkins University Ph.D. 1969; biography, social relations of science, humanistic relations of science, physics, earth sciences, biological sciences, 19-early 20c; 19-20c geology and physics, 19c natural history, science in Victorian culture, 19c physical geology, John Tyndall, scientific London, national science of Britain.

Michael Crowe, Program in History and Philosophy of Science, University of Notre Dame. University of Wisconsin Ph.D. 1965; historiography, philosophy of science, mathematics, astronomy, physics, 18c, 19-early 20c American science; history of ideas of extraterrestrial life; history of optics; historiography of mathematics.

Joan Richards, Department of History, Brown University. Harvard University Ph.D. 1980; 19c history of mathematics, Victorian science, philosophy of science, social history of mathematics, history of science in undergraduate education.

Sabetai Unguru, Department of History of Science, University of Oklahoma. University of Wisconsin Ph.D. 1970; medieval mathematics and natural philosophy, ancient mathematics and science, the Scientific Revolution, historiography of science, Hebrew science, 13c mathematics, Witelo, Roger Bacon, Pappus.
HISTORY OF SCIENCE SOCIETY

1981 BALLOT

   - Arthur Donovan
   - Bruce Eastwood
   - Bernard Goldstein
   - Frederick Gregory
   - Sandra Herbert
   - Ernst Mayr
   - Shirley Roe
   - Phillip Sloan
   - Edith Sylla
   - Albert Van Helden

2. Candidates for Nominating Committee, one-year term.
   Council Members (Vote for 3 of the 6 below):
   - Stephen Brush
   - I. Bernard Cohen
   - Elizabeth Garber
   - Daniel Kevles
   - David Lindberg
   - Kenneth Taylor
   Non-Council Members (Vote for 2 of the 4 below):
   - Joe D. Burchfield
   - Michael J. Crowe
   - Joan Richards
   - Sabetai Unguru

In order for your ballot to be counted it must be returned to Sally Gregory Kohlstedt before September 5, 1981.
JOB INFORMATION

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

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

1. Harvard University, Cambridge

Description: Three-year Assistant Professor and Head Tutor starting July 1, 1982, renewable for an additional three years, with the expectation of one half year leave at full salary. Responsibility for teaching one course (or seminar) each term, as well as individual or small group tutorials, and administration of the Department's undergraduate tutorial program. Department will consider any field of interest within the history of science, medicine or technology. Ph.D. required by 1 September 1982. Salary will be approximately $20,100. Deadline for application, dossier (including three letters of recommendation), and appropriate written/published material, is January 15, 1982.

Contact: Professor Erwin N. Hiebert, Chairman, Department of History of Science, Harvard University, Science Center 235, Cambridge, Massachusetts 02138. EOE/AA.

Note: Prospective candidates will be interviewed at the HSS meeting in Los Angeles, 27-30 December and should check at the Registration Desk.

2. Harvard University, Cambridge

Description: One-year lecturer, starting July 1, 1982. Responsibility for teaching one course (or seminar) each term, with some participation in the undergraduate tutorial program at the administrative and teaching level. Department will consider any field of interest within the history of science, medicine, or technology. Ph.D. by September 1, 1982 is required. Salary will be approximately $20,100. Deadline for application, dossier (including three letters of recommendation), and appropriate written/published material, is January 15, 1982.

Contact: Professor Erwin N. Hiebert, Chairman, Department of History of Science, Harvard University, Science Center 235, Cambridge, Massachusetts 02138. EOE/AA. (see note above).

Candidates may submit one application and be considered for both positions, if requested.

3. Harvard University, Cambridge

Description: Assistant Professor of the History of Medicine and Science; joint appointment in the Department of Social Medicine (Faculty of Medicine) and the Department of the History of Science (Faculty of Arts and Sciences). Candidates should be able to teach aspects of the history of medicine in this century (for example, the history of biomedical sciences with particular emphasis on social context and implications for clinical practice). Preparation must include professional training in both history and biological science and evidence of scholarly research. Initial appointment for three years, reappointment possible. Send curriculum vitae and names for reference by 1 November 1981.

Contact: Leon Eisenberg, M.D., Chairman, Department of Social Medicine and Health Policy, Harvard Medical School, 25 Shattuck Street, Boston, Massachusetts 02115. EOE/AA.

4. Hannah Institute for the History of Medicine, Ontario, Canada

Description: The Hannah Institute invites applications for the post of Visiting Professor during the academic year 1982-83. Candidates must hold a doctorate and have teaching experience at the university level. Appointments are for a period of six months of residence in one of the five medical universities in Ontario, Canada (McMaster, Ottawa, Queen, Toronto, Western Ontario). Deadline for applications is 30 September 1981.

Contact: Hannah Institute for the History of Medicine, 50 Prince Arthur Avenue, Suite 105, Toronto, Ontario M5R 1B5 Canada.

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ADDITIONAL FELLOWSHIP

Johns Hopkins University Institute of the History of Medicine announces a new fellowship for graduate study in the history of medicine will be available in September of 1981. For further information, please write to the Institute of the History of Medicine, The Johns Hopkins University, 1900 E. Monument Street, Baltimore, Maryland 21205, giving full details, or telephone (301) 955-3178.

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