

NEWSLETTER



VOLUME 25 NUMBER 2
APRIL 1996

HISTORY OF SCIENCE SOCIETY

News from Washington

Overmann Retires: Hackett to Head Science and Technology Studies Program at NSF

As many members of the History of Science Society know, Ronald Overmann recently retired from the National Science Foundation after serving NSF for over two decades (we won't say how much "over"!), most recently as Program Officer of the Science and Technology Studies Program. With his characteristic modesty, Ron did not want a public announcement of his retirement at the HSS Annual Meeting in Minneapolis, but the Executive Committee did present him with a plaque, expressing the appreciation of the Society for his years of service to the Society through his work at NSF. We are all sure he will enjoy the sunny climes of Hawaii, especially after the cold and snowy winter of '96.

Overmann's replacement is Edward J. Hackett, a sociologist of science at Rensselaer Polytechnic Institute in the Science and Technology Studies program. Many HSS members will recognize Ed's name, for he has been an NSF panelist since 1989 and he has received several NSF research awards. His research interests are in the sociology of science and technology, organizational behavior, social policy, sociology of work, and social stratification and inequality. He is the author of many scholarly articles, with his recent focus shifting toward issues relating to scientific misconduct and peer review in science. His major work is the widely cited monograph, *Peerless Science: Peer Review and U.S. Science Policy* (SUNY Press, 1990).

Ed also brings to the NSF a wide-range of personal experiences in the academic community. In addition to his work in the sociology of science at RPI, he has been a research associate in the Center for Research on Women at Wellesley and he is currently serving as an adjunct professor in the Laboratory of Molecular Genetics and Informatics at Rockefeller University.

The NSF job is a formidable one, for Ed's new responsibilities include stewardship over the programs that are vital not just to our Society, but to the Philosophy of Science Association, the Society for the History of Technology, and the Society for Social Studies of Science. He looks forward to a fruitful and beneficial collaborative relationship with HSS and welcomes the opportunity to meet many of his new colleagues in our Society!

To reach Ed at NSF, you may write to Science and Technology Studies Program, NSF Room 995, 4201 Wilson Blvd., Arlington, VA 22230. He may also be contacted via telephone (703 306-1743) or by email (ehackett@nsf.gov).

HSS 1996 in Atlanta

The warm climate of Atlanta awaits HSS members in 1996! Professors Lester Stephens (University of Georgia) and Robert Silliman (Emory University) invite all their colleagues to attend the 1996 Annual Meeting, to be held in Atlanta from 6-10 November 1996. We will gather in the beautiful facilities of the Crowne Plaza Ravinia, located within a lovely urban setting a few miles north of Atlanta. Registration materials will be published in the July HSS Newsletter.

The Program Chairs for 1996 are Paul Theerman (Smithsonian Institution) and Karen Parshall (University of Virginia). Paper and session proposal for the 1996 meeting were due in the office of the Executive Secretary by 1 April 1996 (application materials were printed in the January HSS Newsletter). Travel grant applications appear on the following page.

HSS EXECUTIVE COMMITTEE

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The History of Science Society Newsletter is published in January, April, July, and October, and sent to all individual members of the Society; those who reside outside of North America pay an additional \$5 annually to cover a portion of first-class airmail charges. The Newsletter is available to non-members and institutions for \$25 a year.

The Newsletter is edited and desktop published by publications assistant Jennifer Alexander at the Office of the Executive Secretary on an Apple-Macintosh-based system using Microsoft Word and Aldus PageMaker.

Items for inclusion may be sent to the Office of the Executive Secretary, History of Science Society, Box 351330, University of Washington, Seattle, WA 98195-1330, USA; phone (206) 543-9366; fax (206) 685-9544; email (via internet) hsexec@u.washington.edu. Items must be received by the first of the month prior to publication.

ANNUAL MEETING 1996

Travel Grant Applications

An application form for travel grants for graduate students and independent scholars appears below. Applications must be received by the HSS Executive Office by **3 June 1996**. Strong preference is given to applications from HSS members, those presenting papers or participating in societal governance, and applicants who have not received funding in the last two years. All travel supported by an HSS Travel Grant must be arranged through Conventions in America, the Society's travel agency. Travel grants cover travel to the meeting location only. The Society will reimburse only those costs of transportation reported to the Society in the

form of the HSS Travel Expense Report and submitted with receipts. Only US air carriers may be used for air travel, per National Science Foundation requirements.

Reminder: Submission Deadline

Paper and session proposals were due in the HSS Executive Office by **1 April 1996**. Registration details and a preliminary program will be published in the July Newsletter. Inquiries about the meeting should be addressed to the Office of the Executive Secretary, Box 351330, University of Washington, Seattle, WA 98195-1330, phone (206) 543-9366; fax (206) 685-6544.

Conventions in America

Atlanta -- Get there for less!

Delta Airlines is proud to be the official carrier for HSS. Save 5% on lowest applicable fares, restrictions may apply. Ask about ZONE FARES, which may cost less if your stay does not include a Saturday night. Travel between October 21-29, 1996. For lowest available fares on any airline, call Conventions in America, our official travel agency, at 1-800-929-4242 and ask for Group #439. Includes free flight insurance of \$100,000 and eligibility to win free travel in a bi-monthly drawing. Call 619-678-3600/FAX 619-678-3699/Internet FLYCIA@balboa.com. If you call Delta directly at 1-800-241-6760, ask for File #T1422.

HSS TRAVEL GRANT APPLICATION

Name: _____

Address: _____

City: _____ State: _____ ZIP: _____

Telephone: _____

E-mail: _____

Status:

Graduate Student Society Member Prior Grant Rec'd 1995

Unaffiliated Scholar Non-Member Prior Grant Rec'd 1994

Society Activity:

Paper presentation (title and session): _____

Society Committee (committee name): _____

Society Governance (activity): _____

Award Request:

Airfare: \$ _____

Train: \$ _____

Automobile (@ .24/mile): \$ _____

List Three References:

1. _____

2. _____

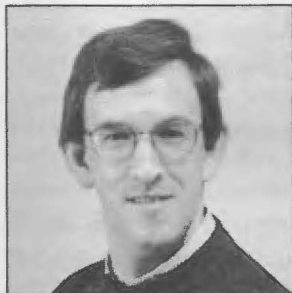
3. _____

Please attach a current curriculum vitae to this application form. Completed applications must be sent to Keith R. Benson, HSS Executive Secretary, Box 351330, University of Washington, Seattle, WA 98195-1330 and must be received by 3 June 1996. Questions about travel grants should be addressed to the HSS Executive Office (206-543-9366).

Travel under this travel grant requires that all reservations be made through Conventions in America (800-929-4242), group #439. Fare information is available from Conventions in America.

Nominations

For Council



Jan Golinski

Associate Professor, Department of History and Humanities Program, University of New Hampshire. PhD, University of Leeds (UK), 1984. Junior Research Fellow, Churchill College, Cambridge, 1986-90; Postdoctoral Fellow, Institute for Research in Humanities, University of

Wisconsin-Madison, 1989; Visiting Assistant Professor, Princeton University, 1992; Dibner Institute Resident Fellow 1994. Honorary Secretary, British Society for the History of Science, 1987-88. HSS Activities: Member, Board of Advisory Editors, *Isis*, 1993-95. Selected publications: *Science as Public Culture: Chemistry and Enlightenment in Britain, 1760-1820* (Cambridge Univ. Press, 1992); "A Noble Spectacle: Phosphorus and the Public Cultures of Science in the Early Royal Society," *Isis* 80 (1989): 11-39; "The Theory of Practice and the Practice of Theory: Sociological Approaches in the History of Science," *Isis* 81 (1990): 492-505; "Precision Instruments and the Demonstrative Order of Proof in Lavoisier's Chemistry," *Osiris* 9 (1994): 30-47.



Loren Graham

Professor of History of Science, Science and Technology Studies Program, MIT; visiting Professor of History of Science, Harvard University. PhD, Columbia University, 1964. Fellow, American Academy of Arts and Sciences; Member, American Philosophical Society; Foreign Member, Russian Academy of

Natural Sciences. HSS activities: member, *Isis* Editorial Board; member, HSS Council; HSS Distinguished Lecturer, 1991 Annual Meeting. Selected publications: *Science and the Soviet Social Order* (Harvard Univ. Press, 1990), *Science in Russia and the Soviet Union* (Cambridge Univ. Press, 1993), *The Ghost of the Executed Engineer* (Harvard Univ. Press, 1993), *A Face in the Rock* (Island Press, 1995).



Barton C. Hacker

Historian, University of California Lawrence Livermore National Laboratory, Livermore, California. PhD, University of Chicago, 1968. HSS activities: Participant, HSS Annual Meetings, 1966 to present, paper presenter, session organizer, session commentator. Selected publications:

Elements of Controversy: The Atomic Energy Commission and Radiation Safety in Nuclear Weapons Testing, 1947-1974 (University of California

Press, 1994; awarded 1996 Richard W. Leopold Prize, Organization of American Historians); "Military Institutions, Weapons, and Social Change: Toward a New History of Military Technology," *Technology and Culture* 35 (1994): 768-834; "Engineering and Science," *Encyclopedia of the American Military* (Charles Scribner's Sons, 1994): 1415-44; "The Gemini Paraglider: A Failure of Scheduled Innovation, 1961-1964," *Social Studies of Science* 22 (1992): 387-406; "Radiation Safety, the AEC, and Nuclear Weapons Testing: Writing the History of a Controversial Program," *The Public Historian* 14 (1992): 31-53 (awarded the 1993 James Madison Prize, Society for History in the Federal Government); *An Annotated Index to Volumes 1 through 25 of "Technology and Culture" 1959-1984* (University of Chicago Press, 1991; awarded 1993 Abbott Payson Usher Prize, Society for the History of Technology).



Joel Hagen

Associate Professor of Biology, Radford University. PhD, Oregon State, 1982. HSS activities: Session organizer, 1988, 1993, 1995 HSS annual meetings; Book reviewer, *Isis*. Selected publications: *An Entangled Bank: The Origins of Ecosystem Ecology* (New Brunswick, Rutgers University Press, 1992); *Doing Biology*, with Douglas Allchin and

Fred Singer (New York, HarperCollins, 1996); "Clementsian Ecologists: The Internal Dynamics of a Research School," *Osiris* 8 (1993): 178-195; "Problems in the Institutionalization of Tropical Biology: The Case of the Barro Colorado Island Biological Laboratory," *History and Philosophy of the Life Sciences* 12 (1990): 225-247.



Alison Li

Assistant Professor, Department of Science Studies, Atkinson College, York University. PhD, University of Toronto, 1993. Current research: history of endocrine therapy. Current project: history of the Medical Research Council of Canada, with Terrie Romano. Selected publications:

"Great Moments: Parke, Davis and Company and the Creation of Medical Art," with Jacalyn Duffin, *Isis* 86 (1995): 1-29.

Nominations



Jane Maienschein

Professor of Philosophy and Zoology, Chair of Philosophy, Arizona State University. PhD, Indiana University, 1978. HSS activities: Sarton Lecture, 1996; Finance Committee, 1985-1993; Dibner Visiting Lecturer Committee, 1985-1987; Council, 1987-1989; Watson Davis Prize Com-

mittee, 1987-1989 (Chair, 1988-1989); Committee on Research and the Profession, 1987-1989; Nominating Committee, 1988-1989; President's Program and Priorities Committee, 1988-89; Dibner Visiting Historian of Science Lecturer, 1994-1995. Selected publications: *Transforming Traditions in America Biology* (Johns Hopkins University Press, 1992); *100 Years Exploring Life. An Autobiography of the Marine Biological Laboratory* (Jones and Bartless Press, 1989); with Keith Benson and Ronald Rainger, editors, *The American Development of Biology* and *The Expansion of American Biology* (Rutgers University Press, 1991); "Cutting Edges Cut Both Ways," *Biology and Philosophy* 9 (1994): 1-24; "Why Collaborate," *Journal of the History of Biology* 26 (1993): 167-183.



Alex Pang

Editor, Encyclopaedia Britannica, Chicago. PhD, University of Pennsylvania, 1991. NSF Postdoctoral Fellow, Stanford University, 1991-1992; Chancellor's Fellow, University of California at Berkeley, 1992-1994; Lecturer, University of California, Davis, 1994-1996. HSS activities:

Diversity Committee, 1994-present (Chair, 1995-present); Schuman Prize, 1991. Selected publications: *Empire and the Sun: Victorian Solar Eclipse Expeditions* (in press); "Gender, Culture, and Astrophysical Fieldwork," *Osiris* (forthcoming 1996); "Appropriating Technology: Buckminster Fuller and the Geodesic Dome," in Uglow and Spufford, eds., *Cultural Baggage* (London: Faber and Faber, 1996); "Victorian Observing Practices, Printing Technology, and Representations of the Solar Corona," *Journal for the History of Astronomy* 26 (1995); "The Social Event of the Season: Victorian Solar Eclipse Expeditions," *Isis* (1993); "Edward Bowles and Radio Engineering at MIT," *Historical Studies in the Physical Sciences* (1990).



Jamil Ragep

Associate Professor, Department of the History of Science, University of Oklahoma. PhD, Harvard University, 1982. HSS activities: *Isis* Editorial Board, 1993-1995; session co-organizer, HSS 1994 Annual Meeting. Selected publications: *Nasir al-Din al-Tusi's Memoir on Astronomy (al-Tadhkira fi ilm al-*

hay'a), 2 vols. (New York: Springer-Verlag, 1993); co-editor with S.P. Ragep, *Tradition, Transmission, Transformation: Proceedings of Two Conferences on Premodern Science held at the University of Oklahoma* (Leiden: E.J. Brill, 1996); "Duhem, the Arabs, and the History of Cosmology," *Synthese* 83 (1990): 201-214.



Liba Taub

Curator and Lecturer, Whipple Museum of the History of Science, Department of the History and Philosophy of Science, University of Cambridge, Cambridge, England. PhD, University of Oklahoma, 1987. HSS activities: Nominating Committee, 1994-1995; Early Science In-

terest Group, co-organizer, 1990-present. Selected publications: *Ptolemy's Universe: The Natural Philosophical and Ethical Foundations of Ptolemy's Astronomy* (Chicago: Open Court Press, 1993); "Canned Astronomy or Cultural Credibility? The Acquisition of the Mensing Collection by the Adler Planetarium," *Journal of the History of Collections* 7 (1995): 243-250; with Owen Gingerich, Angus Macdonald, and A.D. Morrison-Low, *A Heavenly Library: Treasures from the Royal Observatory's Crawford Collection* (Edinburgh: Royal Observatory, 1994); "Evolutionary Ideas and 'Empirical' Methods: The Analogy between Language and Species in Works by Lyell and Schleicher," *British Journal for the History of Science* 26 (1993): 171-193. Selected exhibitions: *The Universe in Your Hands: Early Tools of Astronomy* (The Adler Planetarium and Astronomical Museum); *A Heavenly Library: Treasures from the Royal Observatory's Crawford Collection* (National Museums of Scotland); *Cultures of Natural History* (Whipple Museum).



Mary Terrall

Independent Scholar. PhD, University of California, Los Angeles, 1987. HSS activities: *Isis* Advisory Editor, 1996-1998. West Coast History of Science Society, Program Chair, 1995, President, 1996. Columbia History of Science Group, Program Coordinator, 1991, President, 1992. Se-

lected publications: "Academy, Salon and Boudoir: Generation and Desire in Maupertuis's Science of Life," *Isis* (June 1996, in press);

Nominations

"Gendered Spaces, Gendered Audiences: Inside and Outside the Paris Academy of Sciences," *Configurations* 3 (1995): 207-232; "Emile du Chatelet and the Gendering of Science," *History of Science* 33 (1995): 283-310; "Representing the Earth's Shape: The Polemics Surrounding Maupertuis's Expedition to Lapland," *Isis* 83 (1992): 218-237 (awarded the History of Science Society Derek Price Award, 1994); "The Culture of Science in Frederick the Great's Berlin," *History of Science* 28 (1990): 333-364.

For Nominating Committee, At Large



Deborah Fitzgerald

Associate Professor, Program in Science, Technology, and Society, MIT. PhD, University of Pennsylvania, 1985. HSS activities: Schuman Prize Committee, 1988-1990 (Chair, 1989); Co-chair, Program Committee, 1995. Selected publications: *The Business of Breeding: Hybrid Corn in*

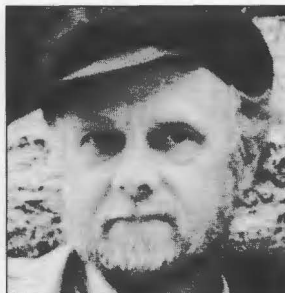
Illinois, 1890-1940 (Ithaca: Cornell University Press, 1990); "Farmers Deskilled: Hybrid Corn and Farmers' Work," *Technology and Culture* 34 (1993): 324-343; "Exporting American Agriculture: The Rockefeller Foundation in Mexico," *Social Studies of Science* 16 (1986): 457-483; "Blinded by Technology: American Agriculture in the Soviet Union, 1928-1932," *Agricultural History* (in press).



Bruce Hunt

Associate Professor of History, University of Texas at Austin. PhD, Johns Hopkins University, 1984. HSS activities: Committee on the Dibner Visiting Historians of Science Program, 1994-present. Selected publications: *The Maxwellians* (Ithaca: Cornell Univ. Press, 1991);

"The Ohm is Where the Art Is: British Telegraph Engineers and the Development of Electrical Standards," *Osiris* 9 (1994): 48-63; "Michael Faraday, Cable Telegraphy, and the Rise of British Field Theory," *History of Technology* 13 (1991): 1-19; "Rigorous Discipline: Oliver Heaviside versus the Mathematicians," in Peter Dear, ed., *The Literary Structure of Scientific Argument: Historical Studies* (Univ. of Pennsylvania Press, 1991): 72-95; "The Origins of the FitzGerald Contraction," *British Journal for the History of Science* 21 (1988): 67-76; "Experimenting on the Ether: Oliver J. Lodge and the Great Whirling Machine," *Historical Studies in the Physical and Biological Sciences*, 16 (1986): 111-134; "'Practice vs. Theory': The British Electrical Debate, 1888-1891," *Isis* 74 (1983): 341-355.



Robert E. Kohler

Professor of the History and Sociology of Science, University of Pennsylvania. PhD, Harvard University, 1965. HSS activities: Committee on *Isis*, 1973-1977; Chair, Local Arrangements Committee, 1976; Nominating Committee, 1984. Selected publications: "Walter Fletcher,

F.G. Hopkins, and the Dunn Institute of Biochemistry; a case study in the patronage of science," *Isis* 69 (1978): 331-355; "The PhD Machine: building on the collegiate base," *Isis* 81 (1990): 638-662; *Partners in Science: Foundations and Natural Scientists, 1900-1945* (Univ. of Chicago Press, 1991); *Lords of the Fly: Drosophila Genetics and the Experimental Life* (Univ. of Chicago Press, 1994).



Barbara Rosenkrantz

Professor of the History of Science, emerita, Department of the History of Science, Harvard University. PhD, Clark University, 1970. HSS activities: Delegate, American Council of Learned Societies, 1987-present (Executive Committee of Delegates, 1987-89); Pfizer Prize Committee

(Chair) 1995. Selected publications: *Public Health and the State* (Harvard Univ. Press, 1972); *Philanthropic Foundations and Resources for Health* (with Peter Buck, 1990); *From Consumption to Tuberculosis: A Documentary History* (Garland Publishing, 1994); "Theory, Practice and Professional Image in American Public Health, 1870-1920," (1974); "The Trouble with Bovine Tuberculosis," (1985); "Toward an Unnatural History of Immunology," (with Warwick Anderson and Myles Jackson, 1994); "Historical Review: Responses to Antibiotic Resistance," in *Antibiotic Resistant Bacteria* (Office of Technology Assessment, 1995).

For Nominating Committee, from Council



Jed Buchwald

Bern Dibner Professor of the History of Science at MIT; Director, The Dibner Institute for the History of Science and Technology. PhD, Harvard University, 1974. MacArthur Fellow, 1995. Co-editor, *Archive for History of Exact Sciences*; Editor, *Archimedes*; Associate Editor, *Perspectives on Science*. Selected publications: editor, *Scientific Practice: Theories and Stories of Doing Physics* (Univ. of Chicago Press, 1995);

Nominations

The Creation of Scientific Effects (Univ. of Chicago Press, 1994); *The Rise of the Wave Theory of Light* (Univ. of Chicago Press, 1989); *From Maxwell to Microphysics* (Univ. of Chicago Press, 1985).



Joan Cadden

Professor of History, Kenyon College. PhD, Indiana University, 1971. HSS activities: Council Member, 1996 - present, *Isis* Editorial Board, 1986-1989; Zeitlin-Ver Brugge Prize Committee, 1986 (Chair, 1987); Committee on Unaffiliated Scholars, 1977-1983; Council Member, 1975-

1978; Chair, Schuman Prize Committee, 1975; Nominating Committee, 1973, 1976. Selected publications: "Science and Rhetoric in the Middle Ages: The Natural Philosophy of William of Conches," *Journal of the History of Ideas* 56 (1995): 1-24; *Meanings of Sex Difference in the Middle Ages: Medicine, Science and Culture* (Pfizer Prize recipient; Cambridge Univ. Press, 1993); "It Takes All Kinds: Sexuality and Gender Differences in Hildegard of Bingen's *Book of Compound Medicine*," *Traditio* 40 (1986): 149-74.



Mott Greene

John B. Magee Distinguished Professor of Science and Values, University of Puget Sound, Tacoma, Washington. PhD, University of Washington, 1978. HSS activities: Visiting Historian of Science, 1987-1989; Dibner Visiting Historian of Science, 1993-1995; Advisory Editor, *Osiris*,

1994-1998; Advisory Editor, *Isis*, 1994-1998. Selected publications: *Geology in the Nineteenth Century* (Cornell Univ. Press, 1982); "History of Geology," in Sally Gregory Kohlstedt and Margaret Rossiter, eds., *Historical Writing on American Science* (Johns Hopkins Univ. Press, 1985): 97-117; *Natural Knowledge in Preclassical Antiquity* (Johns Hopkins Univ. Press, 1992); "Oceanography's Double Life," *Earth Sciences History* 12 (#2, 1992): 48-53.



Frederic L. Holmes

Avalon Professor of History of Medicine; Chair, Section of History of Medicine, Yale University. PhD, Harvard University, 1962. HSS activities: Vice President, 1979-1981; President, 1981-1983; *Osiris* Editorial Board, 1984-1991; Visiting Historian of Science, 1988-1989;

Nominating Committee, 1990; Publications Committee; Council Member 1983-present. Selected publications: *Claude Bernard and*

Animal Chemistry (Harvard Univ. Press, 1974); *Lavoisier and the Chemistry of Life* (Univ. of Wisconsin Press, 1985); *Eighteenth Century Chemistry as an Investigative Enterprise* (Five Lectures presented at The International Summer School of the History of Science, Bologna, August, 1988; Berkeley: Office for History of Science and Technology, 1989); *Hans Krebs: Vol. I: The Formation of a Scientific Life, 1900-1933* (Oxford Univ. Press, 1991); *Hans Krebs: Vol. II: Architect of Intermediary Metabolism, 1933-1937* (Oxford Univ. Press, 1993).



Helena Pycior

Professor, Department of History, University of Wisconsin-Milwaukee. PhD, Cornell University, 1976. HSS activities: *Isis* Advisory Editor, 1985-1990; Co-chair, Committee on Women, 1982-1984; Committee on Research and the Profession, 1982-1984; Chair, History of Women in

Science Prize Committee, 1987; HSS Council, 1994-1996; Committee on Education, 1994-1996. Selected publications: "Mathematics and Philosophy: Wallis, Hobbes, Barrow, and Berkeley," *Journal of the History of Ideas* 48 (1987): 265-286; "Reaping the Benefits of Collaboration While Avoiding Its Pitfalls: Marie Curie's Rise to Scientific Prominence," *Social Studies of Science* 23 (1993): 301-323; "The Philosophy of Algebra" and "Mathematics and Prose Literature," in *Companion Encyclopedia of the History and Philosophy of the Mathematical Sciences*, ed., Ivor Grattan-Guinness, 2 vols. (Routledge, 1994), 1: 294-805, 2: 1633-1643; and Helena M. Pycior, Nancy G. Slack, and Pnina G. Abir-Am, eds., *Creative Couples in the Sciences* (Rutgers Univ. Press, 1996).



Shirley Roe

Professor, Department of History, University of Connecticut. PhD, Harvard University, 1976. HSS activities: Council Member, 1996-1998, 1987-1989, Nominating Committee, 1993-1994, 1988-1989; Committee on Publications, 1987-1989; Program Co-chair, HSS 1988 Annual Meeting (Cincinnati);

Schumann Prize Committee, 1985-1986 (Chair, 1986). Selected publications: *Matter, Life, and Generation: Eighteenth-century Embryology and the Haller-Wolff Debate* (Cambridge Univ. Press, 1981); *Science Against the Unbelievers: The Correspondence of Bonnet and Needham, 1760-1780*, with Renato G. Mazzolini (Oxford: The Voltaire Foundation, 1986); "Metaphysics and Materialism: Needham's Response to d'Holbach," *Studies on Voltaire and the Eighteenth Century* 284 (1991): 309-342; "Buffon and Needham: Diverging Views on Life and Matter," in *Buffon 88* (Paris: Librairie Philosophique J. Vrin, 1992: 439-450).

Awards, Honors & Appointments

Anita Guerrini has been appointed Assistant Professor, tenure track, of Environmental Studies and History at the University of California, Santa Barbara.

Ronald Doel has been appointed oral historian of the Columbia University Oral History Research Office's new three-year project addressing the history of the Lamont-Coherty Earth Observatory. Doel has also received an award from the NSF for his project entitled "Science, the Cold War, and Democratic Values: Scientists in US Foreign Policy, 1945 - 1963."

Joe Cain has been appointed Lecturer in History and Philosophy of Biology in the Department of Science and Technology Studies at University College London.

James Bartholomew, Professor of History at Ohio State University, has received a Fulbright award for work in Japan.

Marina Tolmacheva, Associate Professor of History at Washington State University, has received a Fulbright award for work in Kyrgyzstan.

Andreas Kleinert, University of Hamburg, has been appointed Professor of the History of Science at Martin-Luther-Universität Halle-Wittenberg, effective August 1995.

Howard Segal, University of Maine, has been named Bird & Bird Professor of History at the University of Maine.

Lynette Louise Schumaker, Wellcome Unit for History of Medicine, Manchester, has been awarded the 1995 prize for the best dissertation in the history of the human sciences by the Forum for History of Human Science, for "The Lion in the Path: Fieldwork and Culture in the History of the Rhodes-Livingston Institute, 1937-1964."

David Livingstone, the Queen's University of Belfast, has been elected a Fellow of the British Academy.

John Harley Warner of Yale has been appointed to the *Osiris* Advisory Board. He will succeed Timothy Lenoir of Stanford, whose five-year term has ended.

HSS Members are encouraged to submit notices of awards, honors, and appointments to the HSS Executive Secretary's Office, Box 351330, University of Washington, Seattle, WA 98195-1330; email hssexec@u.washington.edu. Photographs of members and activities are also solicited.

History of Science Society Election Ballot

Candidates for Council

Three-year term, 1 January 1997-31 December 1999. Please vote for five of the ten candidates:

- _____ Jan Golinski
- _____ Loren Graham
- _____ Barton Hacker
- _____ Joel Hagen
- _____ Alison Li
- _____ Jane Maienschein
- _____ Alex Pang
- _____ Jamil Ragep
- _____ Liba Taub
- _____ Mary Terrall

Candidates for Nominating Committee at large

One year term, 1 January 1997 - 31 December 1997. Please vote for two of the four candidates:

- _____ Deborah Fitzgerald
- _____ Bruce Hunt
- _____ Robert Kohler
- _____ Barbara Rosenkrantz

Please note: All ballots must be returned to the HSS Executive Office in the enclosed official envelope and must be postmarked by 31 May 1996. Photocopied ballots will be accepted, but only if submitted in official envelopes.

Candidates for Nominating Committee from Council

One year term, 1 January 1997 - 31 December 1997. Please vote for three of the six candidates:

- _____ Jed Buchwald
- _____ Joan Cadden
- _____ Mott Greene
- _____ Frederic L. Holmes
- _____ Helena Pycior
- _____ Shirley Roe

News of the Society

Perspectives in History of Science Society

[Beginning with this issue, the HSS Newsletter will feature an article written by a member of the HSS Executive Committee, HSS Council, or an HSS committee, which touches upon an issue of general Society import. I will inaugurate "Perspective in HSS" with comments about the planning of HSS annual meetings.—KRB]

Over two years ago, the Society's Committee on Meetings and Programs (COMP) accepted, on a two-year trial basis, my recommendation to move most of the planning and staging of the HSS annual meeting to the Executive Office. During the Minneapolis meeting, COMP evaluated the two-year experiment and unanimously endorsed continuing this arrangement.

In the recommendation to COMP, the reasons for centralizing the meeting functions were simple and straightforward. First, it is now necessary to plan meetings at least three years in advance, often by inviting "bids" from competing cities, in order to get favorable rates and to obtain our preference for a meeting time. Second, the requirements of the annual meeting are becoming quite complex (attendance of over 550; over 200 papers presented), thus necessitating more year-to-year planning and coordination. Third, issues of financial liability placed "volunteer" organizers at great personal risk; several other academic organizations have had misfortunes at their annual meeting, thus illustrating the need to re-evaluate our traditional operation. Fourth, the financial arrangements at the meeting, including advertising, book displays, catering, travel grants, etc., have made the accounting demands for the meeting quite

complex. There are many more reasons why I suggested a change from the "volunteer" operation of the past, in which we have asked our stalwart members to re-invent the "meeting wheel" every year.

Program chairs, Local Arrangement chairs, and COMP have all realized the benefits of centralizing HSS meeting functions. In addition, the Society has realized more revenue from advertising in the program and from book exhibit income, it has obtained contractual benefits from the meeting hotel (complimentary hotel rooms), and it has been able to track and account for meeting expenses in a much more efficient manner.

Of course, the major change over the past ten years has been related to the size of the meeting (and the growth of the Society!). HSS is no longer the small academic society it once was. For example, in 1980 there were less than 1,500 members—we now number well over 3,000! Not surprisingly, the annual meeting has experienced a similar growth so that we now require a hotel where we can obtain 300 guest rooms, hold eight concurrent sessions, and stage a banquet for 350 (with receptions for over 600). These demands can no longer be met by hotels located in small to mid-size towns, nor can they be met by holding our meetings on a university campus. We must now look to hotels with at least 500 guest rooms (hotels will not allow a single group to block more than 60% of their rooms on any one night), and this means we need to consider host cities with a large enough population base to support hotels of this size. In addition, our meeting needs require that we consider hotels with adequate convention facilities, again pointing us toward larger markets and larger hotels.

Of course, there are mixed blessings for these arrangements. While we may no longer find hotels with \$65/night room charges, we are able to find hotels that may be more expensive, but they will be able to meet all our required needs without forcing us to rent adjacent properties for meeting space, receptions, or banquet functions. In addition, hotels of this size have an abundance of experience in staging conventions, thus enabling our meetings to run much more smoothly. Finally, because most of these hotels are in cities that serve as major airport destinations, airfares are often extremely reasonable. For example, it may be possible to obtain an extremely favorable hotel rate in Dubuque (Iowa), but the average airfare for our members would be much higher than an average airfare to a major hub (for example, Kansas City), thus canceling any potential savings from the hotel.

The selection of future meeting sites has become more complicated, but it has also become more interesting in terms of potential venues. I have attempted to visit cities that will offer us competitive hotel rates and favorable airfares. In other words, instead of emphasizing only the hotel rate, we are now looking at a "package" rate. In addition, I have attempted to visit cities that will offer all of us a pleasant setting. Our upcoming meetings will be located in Atlanta (1996), San Diego (1997), Kansas City (1998), Boston (1999), and Vancouver or Montreal (2000).

As always, I welcome your comments about our annual meeting planning. And if you have any hot tips, please pass them on!

Keith R. Benson
Executive Secretary

News of the Society

History of Science Society in St. Petersburg

This summer, a delegation of American historians of science will travel to St. Petersburg to meet with several Russian colleagues to discuss "History of Big Science." The small conference, the result of collaboration between Nate Reingold (Smithsonian Institution) and Daniel Alexandrov (Institute for History of Science and Technology, Russian Academy of Sciences, St. Petersburg) will be held at the Russian Academy of Science in St. Petersburg from 16-18 July 1996. Support for the meeting comes from a generous grant from the Lounsbury Foundation.

The gathering this coming summer follows a very successful international conference in June 1995, "Regionalism, Local Interests, and Science: The Historical Legacy of the Baltics, Russia, and Ukraine," which was also organized by Alexandrov, this time with the able assistance of Elizabeth Hachten (University of Wisconsin, Whitewater). Other American scholars at that conference were Loren Graham, Mark Adams, Harley Balzer, Douglas Weiner, and Nathan Brooks.

It is safe to state that the major effort to organize these conferences comes from Daniel Alexandrov. For historians of science in the United States who know Alexandrov, it is no surprise to note that his major interest is in the development of a thriving history of science community in Russia. But he is well aware that the discipline is not as well developed in Russia as it is in North American and Europe and, as a result, he is attempting to bring scholars from outside Russia to encourage his Russian colleagues. The following comments relate to communications from Alexandrov, which he asked to have shared with members of HSS.

The major problem confronting the history of science in Russia centers about the educational system. Until recently, graduate studies in the history of science did not include any classes (this is common to many areas of Russian higher education) and, according to Alexandrov, the result has been "simply disastrous." But thanks to the support of the new director of the institute in St. Petersburg, Professor Eduard I. Kolchinsky, a new attitude about scholarship and the appreciation for new trends in fields has begun to change the discipline.

Last fall, Alexandrov initiated the first required seminar for graduate students. The course focused on the main themes and concepts in contemporary history of science, mostly taken from "exemplary" case studies in the existing literature. For example, Rob Kohler's work on the moral economy of the laboratory and Martin Rudwick's article on the visual language of geology have been read and discussed by the students. Alexandrov labels his effort to be the "American style of graduate studies" and notes, not surprisingly, that there is some resentment and opposition to the changes he is attempting to make. Some graduate students have even wondered why they need to study "if generations before were free from it."

Alexandrov also requires that students compile bibliographies in their broad fields of interest; i.e., if a student is working in Russian botany, he or she is required to collect references to the works on American, English, French, and German botany. These references will then be used for a review article, written by the student on several books and articles from the bibliography.

The Institute for History of Science and Technology formally confirmed the new program that Alexandrov has designed and named him to the position of Graduate Chair. In essence, he will be in charge of the doctoral program, including the design of the curriculum at the Institute. Alexandrov has also coordinated innovations in St. Petersburg with similar changes occurring in Moscow. He stated in his communication that "[I]t gives me hope that our action will not be in vain. I would be very grateful if you write about it and quote me as much as you need. My letters are rather informal but I absolutely trust your diplomatic sense on how to edit them. I also would be happy to supply you any additional information you may need. We would very much appreciate this news to be spread around. In order to prove that the new system works I will need all the help of my colleagues like sending us books, reprints, photocopies, etc."

Alexandrov's communications also indicated the excitement of his graduate students with the computer technology that links them to colleagues throughout the world. In fact, he spends much of his time as a "computer consultant." HSS support has been important to his efforts. The Society's "Sponsor-a-Scholar" program has already made a vast difference, and many of our Russian colleagues have been presented with the privilege of membership in HSS. The need remains, however, for printed material. If you would like to help Daniel Alexandrov in his efforts, you may communicate directly with him via email (dan@history.spb.su). Please contact the HSS Executive Secretary's Office for more information.

News of the Profession

Center for History of Recent Science at George Washington University

Horace Freeland Judson has kindly provided the Newsletter with an abbreviated version of the Prospectus for the Center for History of Recent Science. The following description of the program is taken from that prospectus.

The history of recent science offers a field of inquiry that is immensely rich and interesting yet in large part neglected; the relevant evidence is changing in kind; new and more active methods of research are available to the historian. This constellation presents us not merely an opportunity but an imperative: the history is essential for our understanding of the sciences and for our evaluation of their consequences.

In response, we are establishing, at George Washington University, a Center for History of Recent Science. The primary activity of the Center, its defined mission, is research in the immediate histories of sciences of the present day. Because the Center must start small and must keep a tight intellectual focus in order to demonstrate its effectiveness, research is concentrated, at the outset, on the history of modern biomedical and biological sciences and their social and policy ramifications. We will extend into the physical sciences as historians, coming to the Center as senior visiting fellows, bring robust and interesting projects. Throughout, the interaction of science with public policy is inseparable from the work of the Center, for the history of recent science is, of course, shaped by the politics of science. It is relevant for the complementary reason, as well: those who make the policy must understand the science and its genesis,

and they can most effectively learn this historically in its full social and intellectual context. Emphasis will be on publication of the kinds of focussed clusters of historical studies that lead up to substantial books in the history of contemporary science and science policy.

The Center will have a small permanent faculty -- two, to start -- but a number of visitors each year, three to six scholars who have work to do that we think is important and that is at a stage where time at the Center should free them to get it done. We are actively seeking people and projects, and have been in touch, in a preliminary way, with several. Occasionally, also, the Center may recruit a yearly fellow who comes from such institutions as the Office of Science and Technology Policy (the presidential science adviser), and from among the more respectable popularizers of science. Scholars of the Center will be active, within recognized institutional limits, as consultants in the making of science policy. As it becomes established, the Center may from time to time offer year-long places to appropriate people in a range of related fields -- to epistemologists, say, or to those investigating the social psychology of the sciences, or to those working at the borderline where science and technology affect public policy.

From the start, the Center is setting up a post-doctoral program, offering fellowships to young scholars of promise, to pursue their own projects but with supervision and counsel, working closely with the senior people at the Center and the yearly visitors, as well as other university faculty as appropriate.

The plan is to provide two fellowships beginning each year, each to last two years. These will substantially enlarge the number of post-doctoral positions in history of science and related fields nationally. The training in research in history of recent science will give the post-docs unique and highly desirable specialization. In short, the fellowships are intended to be intellectual internships.

Faculty and post-doctoral fellows will be affiliated chiefly with the Department of History at George Washington University. Training of PhDs in history of science will not be part of the Center's charter; more graduates are already being turned out than can find work. What is needed in the field are post-doctoral positions.

To be a major custodian of the archives of twentieth-century science is no central part of the Center's design. Such archives are in fact well and aggressively collected elsewhere. More importantly, the archival enterprise notoriously diffuses the sharp focus on particular problems in the history of several sciences. We must add, however, that the kinds of projects pursued at the Center will typically generate certain sorts of materials to be preserved: integrated sets of interviews with scientists, together with caches of present-day written records that the interviewing itself will turn up and that otherwise might often be lost.

For information, please contact Dr. Horace Freeland Judson, Center for History of Recent Science, George Washington University, Washington, DC 20052, phone (202) 994-1670.

News of the Profession

HSS Publication

Topical Essays for Teachers

Under the guidance of the Committee on Education, HSS has recently published "Topical Essays for Teachers." This is a wonderful selection of four essays, written by Ken Manning, Fred Gregory, Stanley Goldberg, and Edmund Russell, all designed for the use of teachers who are interested to include historical material on race, gender, science and religion, atomic energy, and the environment in their courses. Each essay provides an overview of the subject and includes extensive suggestions for reading material, audio-visual aids, and pedagogical exercises.

We have received extraordinary comments about "Topical Essays for Teachers" and encourage all HSS members to have their own copy. You may order it for \$8; see the order form on page 21 for ordering information.

Programs of Study

MA: Society, Science & Technology in Europe

A gathering of European universities has announced a new degree program. The central aim of this degree is to train a new generation of researchers, policy-makers and managers who will have a better understanding of the relationships between science, technology, and society (STS) and the expertise to address the related problems that face Europe and the world. This course has been designed in cooperation with ten other universities, and receives financial support from the European Union.

All students will follow a common first semester at their home institution, focusing on key concepts and debates in the STS field. In the second semester, each participating university offers specialist training based on its own research strengths. Students can choose to spend the second semester and the summer months at any of the participating universities where they will follow a short taught course and then prepare a dissertation. Applications for 1996-1997 are welcome from people with a good degree in any academic discipline with an interest in the subject matter. Knowledge of English is essential. Knowledge of another European language would be an advantage. For more information, please contact Sally Wyatt, Department of Innovation Studies, University of East London, Maryland House, Nanbey Park Rd., London E15 1E7, UK, email: S.M.E.Wyatt@uel.ac.uk.

Member Generosity

Special Thanks to Mr. and Mrs. Jeff Gorski

The Executive Office would like to thank Mr. and Mrs. Jeffrey Gorski for the generous donation of the first volume of *Isis* (1913) to the office. Jeff Gorski has had a long interest in the history of science and, through this interest, he has collected an impressive library in the history of science. This is not the first time the Society has benefitted from the Gorskis' generosity and we thank them for their continued support.

Sponsor-a-Scholar Program Continues

Members interested in sponsoring a colleague who cannot, through currency problems, afford membership in HSS, should use the form on page 36 to contact the HSS Executive Office.

The History of Science Society thanks the following HSS members who have participated in the Sponsor-a-Scholar Program

Michele L. Aldrich
AAAS

Uldis Blukis
Brooklyn, New York

Joan Lisa Bromberg
University of California, Davis

Jonathan Coopersmith
Texas A&M University

David C. Cassidy
Hofstra University

Lorraine Daston
University of Chicago

Michael Aaron Dennis
Cornell University

Frederick Gregory
University of Florida

Mr. and Mrs. Jeffrey Gorski
Naval Facilities Engineering Service Center

Benjamin Harris
Univ. of Wisconsin, Parkside

E.S. Kennedy
American University of Beirut

Mark Levinson
Edmonds, WA

Kenneth M. Ludmerer
Washington University

Chuang Lui
University of Florida

M. Meo
Roosevelt High School, Portland, Oregon

J.A. Schufle
Cloucraft, NM

Nancy Slack
Russell Sage College

HSS Executive Office
(Three Scholars)

News of the Profession

Electronic Resources

HSS World Wide Web Page

The Executive Office has constructed a World Wide Web page for HSS. Please contact the office if you have information to add to the page (email: hssexec@u.washington.edu) or contact Rob Ferguson at the University of Minnesota (email: ferg0012@gold.tc.umn.edu) HSS announcements and information may be obtained from the HSS World Wide Web Page: URL:<http://weber.u.washington.edu/~hssexec/>

Reference Tool:

Isis Current Bibliography available on Floppy Disk

If you collect bibliographical references on a PC, you need CB-on-disk. Select CB records for output by entering their serial numbers, by search for text in specific fields, or by searching for an annual code. Move the records you choose from the CB-on-Disk into your bibliography, matching the CB record's fields with the fields that you use in your own system. User-definable delimiters and tags. For information on ordering contact: CB-on-Disk, 211 E. Dean Avenue, Suite A, Madison, WI 53716-2103; e-mail thoth@execpc.com; web site at <http://earth.execpc.com/~thoth>.

Web Home Page for Yale History of Medicine Program

The Yale Graduate Program in the History of Medicine and Science now has a home page. Its location is <http://www.med.yale.edu/histmed/>

Requests for Information

Galvani sources sought

Marco Bresadola, a doctoral candidate preparing his thesis at the University of Florence, seeks information on Luigi Galvani and possible archival sources outside of Italy, especially manuscripts, letters by or to him, available either in the US or Europe. He may be reached at CIS, via Zamboni 31, 40126 Bologna, Italy, phone (39) 51-261182; fax (39) 51-261156; email: mubov11@icineca.cineca.it.

Recent Dissertations

Brian P. Dolan, "Governing Matters: The Values of English Education in the Earth Sciences, 1790-1830," Cambridge University, October 1995.

Beate Ceranski: "'Und sie fuerchtet sich vor niemandem'. Die Bologneser Physikerin Laura Bassi (1711-1778)." Universität Hamburg, 1995.

Colloquium Formed

Puget Sound Colloquium in the History and Philosophy of Science

The first annual Puget Sound Colloquium will meet 3-4 May 1996 at the University of Washington in Seattle on the theme "Historical Perspectives on Planetary Physics." Preliminary schedule:

Friday, 3 May. Plenary Session 4-5:00 pm. Speaker: Peter Kammeyer, "Determination of Earth Rotation by GPS--New Results and Historical Perspectives." Reception to follow. **Saturday, 4 May. 9:30-11:30 am: Contributed Papers.** Karl Hufbauer, "Bernard Lyot's Investigation of the Polarization of Planetary Light, 1921-1930." Robert Smith and James Fleming, titles to be announced. **1:30-3:30 pm: Panel Discussion:** Stephen Brush's work on Planetary Physics. Chair: Woodruff T. Sullivan III; panel: Bruce Hevly, Joe Burchfield, James Evans; commentator: Mott Greene.

Information: Woody Sullivan, Astronomy Dept., University of Washington, Seattle, WA 98195, phone (206) 543-7773, fax (206) 685-0404, email woody@astro.washington.edu, or Mott Greene, Honors Program, University of Puget Sound, Tacoma, WA 98416, phone (206) 756-3782, fax (206) 756-3500, email greeneg@ups.edu.

Lecture Announcements

John Swann, US FDA, to speak on "History of Drug Regulation"

John P. Swann, Historian, US Food and Drug Administration, will present the 1996 David L. Cowen Lecture in the History of Pharmacy at Rutgers University College of Pharmacy, 16 April 1996, 3:30-4:30 pm, William Levine Hall Room 111, Busch Campus, Rutgers University, Piscataway, New Jersey. The public is invited; a reception will follow. Information: (908) 445-2667.

Notes

Bulletin for the History of Chemistry resumes publication

The *Bulletin for the History of Chemistry*, a publication of the Division of History of Chemistry of the American Chemical Society, will resume publication after a prolonged absence. The *Bulletin's* intended audience is practicing chemists in the division, and one of its purposes is to provide a link between professionally trained historians of science and chemistry and practicing chemists interested in the history of chemistry. The editor welcomes original manuscripts written for this intended audience, as well as reviews of recently published books in the history of chemistry. HSS members may receive the *Bulletin* by becoming affiliate members of the Division of the History of Chemistry for \$14 a year. Please send all subscription and manuscript inquiries to Paul R. Jones, editor, *Bulletin for the History of Chemistry*, Department of Chemistry, 930 N. University Avenue, University of Michigan, Ann Arbor, MI 48109-1055.

Fellowships & Grants Available

1997-98 Fulbright Awards for U.S. Faculty and Professionals

Opportunities for lecturing or advanced research in more than 135 countries are available to college and university faculty and professionals outside academe. U.S. citizenship and the PhD or comparative professional qualifications are required. For lecturing awards, university or college teaching experience is expected. Foreign language skills are needed for some countries, but most lecturing assignments are in English. The deadline for lecturing or research grants for 1997-98 is 1 August 1996. Other deadlines are in place for special programs: distinguished Fulbright chairs in Western Europe and Canada (1 May) and Fulbright seminars for international education and academic administrator (1 November). Contact the USIA Fulbright Senior Scholar Program, Council for International Exchange of Scholars, 3007 Tilden Street, N.W., Suite 5M, Box GNEWS, Washington, DC 20008-3009; phone (202) 686-7877; web <http://www.cies.org/>; email: cies1@ciesnet.cies.org (requests for mailing of application materials only).

Rockefeller Archive Center — Grants for Travel and Research

For 1997 the Rockefeller Archive Center will have two components to its program of Grants for Travel and Research at the Rockefeller Archive Center. In addition to its regular competitive program that is open to researchers in any discipline engaged in research that requires use of its collections, the Center will award up to ten grants to support research on topics related to the continent of Africa. The competition for these targeted grants will use the same application form and follow the same guidelines as the general program. Applicants from within the US and Canada may request support of up to \$1,500; because of the additional cost of travel, applicants from other nations may request up to \$2,000. Applicants wishing to be considered for the special grant program on Africa should indicate this in a cover letter. The deadline for applications is 30 November 1996; grant recipients will be announced in March 1997. For application forms and additional infor-

mation about Archive Center's grant programs, contact the director, Darwin H. Stapleton, at the Rockefeller Archive Center, 15 Dayton Avenue, North Tarrytown, NY 10591-1598; phone (914) 631-4505.

Just Announced: The Glenn E. and Barbara Hodsdon Ullyot Scholarship — Chemical Heritage Foundation

The Chemical Heritage Foundation is pleased to announce the creation of the Glenn E. and Barbara Hodsdon Ullyot Scholarship Fund. The purpose of the Ullyot Scholarship is to advance public understanding of how important the chemical sciences are to the public welfare. The first Ullyot Scholarship will be awarded for summer 1996; it offers a stipend of \$1,500, and supports a minimum of four weeks of research on the heritage of the chemical sciences utilizing the resources of the Foundation's Othmer Library of Chemical History in Philadelphia, other area libraries, and associated resources. The Othmer Library houses primary sources from the sixteenth through the mid-twentieth century, with an emphasis on the last 100 years. The library maintains a wide array of reference books and secondary literature on the history of the chemical sciences and technologies, as well as the personal papers of outstanding chemists and industrialists and the archives of professional organizations. The core of the library, more than 40,000 volumes that span the era from the Civil War through World War II, forms an unrivaled resource for the history of American chemical business and technology.

To apply, send four copies of a curriculum vitae, a one-page description of the proposed research, and the telephone numbers of two referees. The proposal should demonstrate how the Othmer Library's resources are relevant to the applicant's project. Applications were due by 31 March 1996; information may be obtained from Laurel Adelman, Chemical Heritage Foundation, 315 Chestnut Street, Philadelphia, PA 19106; phone (215) 925-2222; fax (215) 925-1954.

Centre national de la recherche scientifique — Postgraduate Awards

The Centre de recherche en histoire des sciences et des techniques has two to three

research positions for the year 1997. Candidates should have a doctorate in the history of science or technology or closely related fields. Applications are encouraged from younger scholars whose projects fall within one of the Centre's main areas of research. A good command of the French language is required. Work at the Centre is interdisciplinary, with a strong emphasis on comparative studies. Research resources include the specialized libraries and other facilities of the Cité des Sciences et de l'Industrie. Collaboration with this modern science and technology center is specific to the Centre and candidates should be interested in getting involved with these activities. Deadline for applications for 1997 is 30 April 1996. Letters of application, accompanied by a complete curriculum vitae, a list of publications, a brief statement of the proposed research (in French) and two letters of recommendation, should be sent to John Krige, Directeur, CRHST, Cité des Sciences et de l'Industrie, 75930 Paris Cedex 19, France; phone 1.40 05 75 52; fax 1 40 05 79 21.

Biot Research Fund — California Institute of Technology

The Maurice A. Biot Archives Fund provides research assistance up to \$1,000 to use the collections of the Archives of the California Institute of Technology. Applications will be accepted from students working towards a graduate degree or from established scholars. Graduate students must have completed one year of study prior to receiving a grant-in-aid. Preference will be given to the fields of aeronautics, applied mechanics, and geophysics. The grant-in-aid may be used for travel and living expenses, for photocopy or other photo-reproduction costs related to the research project, and for miscellaneous research expenses. Funds may not be used for the purchase of computer software or hardware. Application guidelines may be obtained from the Archivist, 015A-74, California Institute of Technology, Pasadena, CA 91125. The application deadline is 30 June and 31 December of each year.

American Institute of Physics — Grants-in-aid for History of Modern Physics and

(continued on page 14)

International News

International Society for the History of the Neurosciences

The International Society for the History of the Neurosciences, Inc., was founded by a group of neurohistorians at a meeting in Montreal, Canada, in May 1995. Its mission is to promote the history of the Neurosciences by improving communication and education among neurohistorians and to improve the quality and quantity of work in the field. We hope to attract participants from all of the clinical and experimental neurosciences, as well as professional historians and others with related interests. There will be annual meetings (usually in the spring), which will be held in alternate years in North America and on another continent (generally Europe). The Society's official publication is the *Journal of the History of the Neurosciences*, whose founder and continuing editor is F. Clifford Rose, MD, of the Neurological Centre, London, England.

The founding officers of the Society include: President, Stanley Finger, Ph.D. (Psychology/Neural Science, Washington University, St. Louis, MO); President-elect, Peter Koehler, MD (Neurology, De Wever Hospital, Heerlen, The Netherlands); Duane Haines, Ph.D., Secretary (address below); and Treasurer, Samuel Greenblatt, MD (Neurosurgery, Brown University, Pawtucket, RI). Annual dues of \$95.00 US include a subscription to the *Journal* whose publisher is Swets & Zeitlinger of Lisse, The

Netherlands. For information and membership application forms, please contact the Society's hard-working Secretary, Dr. Duane Haines, Secretary ISHN, Department of Anatomy, University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216-4505; telephone (601) 984-1640; fax (601) 984-1655; e-mail dehaines@fiona.usmed.edu.

Ecuador National Museum of Medicine

The Museo Nacional de Medicina in Quito, Ecuador is a research institution with three distinct parts. A research library houses the medical journals and treatises printed in Ecuador from the 18th century to the present. There are eleven special archives, all as yet scarcely tapped by historians. Among them are the acts of the municipality of Quito from 1534 on, an invaluable source for the history of public health, and the records of some of Ecuador's major hospitals.

The third part of the institution is the museum itself. Its exhibits begin with rooms on pre-Columbian foodstuffs, and medical and dental practices. Other rooms exhibit medical and dental instruments from colonial times to the early 20th century. There is a complete colonial pharmacy, a garden of medicinal plants, and a set of French instruments that Ecuador imported as it began investigations into microbiology in the 19th century.

Like most Latin American institu-

tions, the Museo has unmet needs. These include ongoing subscriptions to *Isis* and the *Journal of the History of Medicine and Allied Sciences*.

The Museo's founder and director, Dr. Eduardo Estrella, was trained in medicine, psychiatry, and history. His research interests include ethnomedicine (for example, his *Medicina Aborigen*, 1977), environmental history in its relation to public health (eg., *Biodeversidad y Salud en las Poblaciones Indígenas de la Amazonia*, 1995), European scientific expeditions to Latin America (eg. *La Condamine, Viaje por el Rio Amazonas...*, co-edited with Antonio Lafuente, 1986), and the social context of Ecuadorian medicine (eg. *Medicina y Estructura Socio-economica*, 1980).

The Museo welcomes foreign scholars for short or extended periods. Although it is not able to offer fellowships, it gladly provides services to ensure that the visitor's stay is productive. It also welcomes correspondence from historians whose research interests intersect its own. The 1998 Congress of the Latin American Society for the History of Science and Technology is to be held in Quito and will provide yet another opportunity for historians to visit the museum.

Send correspondence c/o Dr. Eduardo Estrella, Calle Luis Sáa y Sodira, Edificio "Daniel Cadena", Oficina 806, Quito, Ecuador.

Fellowships and Grants Available

(continued from page 13)

Allied Sciences

The Center for History of Physics of the American Institute of Physics has increased the funding for its program of grants-in-aid, allowing support of additional scholars conducting research in the history of modern physics and allied sciences and their social interactions. Grants can be up to \$2,500 each. They may be used only to reimburse direct expenses connected with the work. Preference will be given to those who need part of the funds for travel and subsistence to use the resources of the Center's Niels Bohr Library in College Park, Maryland (easily accessible from Washington, DC)

or to microfilm papers or to tape-record oral history interviews with a copy deposited in the Library. Applicants should either be working toward a graduate degree in the history of science or show a record of publication in the field. For information, contact Spencer Weart, Center for History of Physics, American Institute of Physics, One Physics Ellipse, College Park, MD 20740; phone (301) 209-3174; fax (301) 209-0882; email: sweart@aip.org. Deadlines for receipt of applications are 30 June and 31 December of each year.

American College of Obstetricians and Gynecologists — ACOG-Ortho Fellowships

in the History of American Obstetrics and Gynecology

The American College of Obstetricians and Gynecologists and Ortho Pharmaceutical Corporation jointly sponsor two \$5,000 fellowships in the history of American Obstetrics and Gynecology each year. Applications and further information may be obtained from The American College of Obstetricians and Gynecologists, Mrs. Susan Rishworth, History Librarian/Archivist, 409 Twelfth Street, SW, Washington, DC 20024-2588; phone (202) 863-2578, (202) 863-2518; email: srishwor@capon.net. Deadline for application is 1 September 1996.

Prize Competitions

Society for the History of Technology - 1996 Awards

IEEE Life Members' Prize in Electrical History: The IEEE Life Members' Prize in Electrical History is administered by the Society for the History of Technology. The prize recognizes the best paper in electrical history published during the previous year, in this case during 1995. Any historical paper published in a learned journal or magazine is eligible if it treats the art or engineering aspects of electrotechnology and its practitioners. The committee invites submissions for the 1996 prize. Please send a copy of the paper to EACH member of the prize committee: Frederick Nebekir, Center for the History of Electrical Engineering, Rutgers University, 19 Union Street, New Brunswick, NJ 08903-5062; Ellen B. Koch, chair, 2503 Robinhood Suite, Houston, TX 77005; Richard Hirsh, Department of History, Virginia Polytechnic Institute & State University, Blacksburg, VA 24061-0117. The prize consists of a cash award of \$500 and a certificate. For a more information contact Lindy Biggs, Department of History, Auburn University, Auburn, AL 36849-5207; Fax (334) 844-6673; e-mail biggsלב@mail.auburn.edu.

The Samuel Eleazar and Rose Tartakow Levinson Prize: The Society for the History of Technology announces its annual competition for the Samuel Eleazar and Rose Tartakow Levinson Prize. This prize recognizes an original essay in the history of technology that explicitly examines in some detail a technology or technological device/process within the framework of social or intellectual history. The prize-winning essay must represent the author's first work intended for publication. Manuscripts should be in English and of length suitable for publication as a journal article. Three copies should be sent to the SHOT Executive Secretary, Lindy Biggs, Department of History, Auburn University, Auburn, AL 36849-5207; e-mail biggsלב@mail.auburn.edu. Authors's names should appear only on a cover sheet that will be detached before the manuscript is sent to the committee. The closing date for nominations is 1 May 1996. The award consists of \$400 and a certificate.

Joan Cahalin Robinson Prize: Presenters at the 1996 annual meeting of the Society for the History of Technology are

invited to nominate their presentations for the 1996 Joan Cahalin Robinson Prize. The prize is awarded annually for the best presented paper at the SHOT meeting. Graduate students who are giving their first paper at a SHOT annual meeting will be eligible for the prize; they shall not have received their Ph.D. more than one year before. The Robinson Prize consists of a check for \$350 and a certificate. Those wishing to nominate themselves and their paper for the prize should send an abstract of their paper and a 1-page c.v. to EACH member of the prize committee. Please confirm your status as a graduate student or recently completed Ph.D. Nomination deadline: 1 May 1996. Committee members: Nina Lerman, History Department, Whitman College, Walla Walla, WA 99362, e-mail: lermanne@whitman.edu; Edmund Todd, Chair, Department of History, University of New Haven, 300 Orange Avenue, New Haven, CT 06516, phone: (203) 932-7000; Bayla Singer, 5383 Sea Biscuit Road, Palm Beach Gardens, FL 33418, e-mail: bsinger@eniac.seas.upenn.edu; Todd Shallot, History Department, Boise State University, Boise, ID 83725, phone: (208) 395-3701, fax: (208) 385-4058; e-mail: thshallot@idbsu.edu; Raman Srinivasan, The Rockefeller Foundation, 420 Fifth Avenue, New York, NY 10018-2702; Mark Clark, Department of History, Iowa State University, Ames, IA 50011-1202, Fax: (515) 294-6390; Adam Gruen, 4928 18th Street N, Arlington, VA 22207-2011, phone: (703) 528-4813, e-mail: 000644909@mcimail.com; Brett D. Steele, Division of Applied Mathematics, Stanford University, Stanford, CA 94305, phone: (415) 725-2557, fax: (415) 723-1778, e-mail: steele@leland.stanford.edu.

Consejo Cultural Mundial Awards

The Consejo Cultural Mundial invites nominations for World Awards in Science, Education and the Arts: The **Albert Einstein Award** for Science, the **Jose Vasconcelos Award** for Education, and the **Leonardo Da Vinci Award** for the Arts. The awards have been established in an effort to recognize and reward the valuable work of outstanding personalities in world culture whose achievements have contributed significantly to the well-being of humankind.

Nominations should be submitted together with biographical data by 30 April 1996 to Consejo Cultural Mundial, PO Box 11-823, Mexico, D.F., 06101, MEXICO; phone/fax 52-5-574445039.

Paul Bunge Prize 1997 — The German Chemical Society

The German Chemical Society is inviting applications for the Paul Bunge Prize 1997 of the Hans R. Jenemann Foundation, which is administered by the Gesellschaft Deutscher Chemiker (German Chemical Society) and the Deutsche Bunsen-Gesellschaft für Physikalische Chemie (German Bunsen Society for Physical Chemistry). The award consists of 10,000 DM and should honor outstanding publications in all fields of the history of scientific instruments in German, English or French. Nominations or applications should include the scientific paper, a curriculum vitae, and a list of publications of the applicant. Deadline for applications is 30 September 1996. Information for applicants is available at the German Chemical Society, Public Relations Department, PO Box 900440, D-60444 Frankfurt/Main.

Dissertation Award — History of Human Sciences

The Forum for History of Human Science is pleased to announce its third annual competition for best recent dissertation in the history of the human sciences. The prize will consist of a cash award of \$100 and a letter of notification to the winner's department. Entries are encouraged by authors from any discipline on the history of any human science, broadly conceived. To be eligible, the dissertation must be defended between January 1994 and 15 June 1996. It cannot have been accepted for publication. Dissertations submitted for publication, but not accepted by the deadline, are eligible. Dissertations and abstracts should be submitted to John I. Brooks III, Editor, FHHS Newsletter, Teikyo Loretto Heights University, 3001 S. Federal Boulevard, Denver, CO 80236. Entries must be received by 15 June 1996.

Seminars & Classes

Francis C. Wood Institute for the History of Medicine

The Francis C. Wood Institute for the History of Medicine announces its spring schedule:

April 4: Rosemarie Thomson, Ph.D. (Howard University), "The Beauty and the Freak: Spectacles of Female Embodiment in American Culture."

April 11: Jean Silver-Isenstadt, M.A. (University of Pennsylvania), "How to Take a Bath and Why: The Philosophy of Mary S. Gove and Thomas Low Nicols."

April 18: Patricia Rosales, M.A. (Harvard University), "Selling Syringes: The Advertisement of Hypodermic Syringes in Pharmaceutical Trade Catalogs, ca. 1880s-1920s."

For more information contact: The Francis C. Wood Institute for the History of Medicine, College of Physicians of Philadelphia, 19 South 22nd Street, Philadelphia, PA 19103.

"Competing Epistemologies"-- Dibner Institute Summer Seminar on the History of Biology

The Dibner Institute for the History of Science and Technology announces that its Summer Seminar on the History of Biology will be held at the Marine Biological Laboratory, Woods Hole, MA, on 28 July - 3 August 1996. The topic of this year's seminar is "Competing Epistemologies". Differences in science are sometimes not only about (and sometimes not at all about) how the world works. Rather, such differences are about how we know that the world works this way or that, or how we think we know what we know. These questions may focus on the interaction of ideas and methodologies, including what methods will produce the best knowledge about the world. Or they may be more fundamentally epistemological: what counts as knowledge, what counts as evidence?

The seminar will explore laboratory practices, naturalists' field alternatives, and changing epistemologies in the biological sciences over the past century. The seminar is open to students and scholars from a wide variety of backgrounds and ranks. Financial aid is available. Co-organizers for the

Dibner Institute Summer Seminar are Garland Allen, Washington University (314) 935-4432; John Beatty, University of Minnesota (612) 624-6749; and Jane Maienschein, Arizona State University (602) 965-6105. For more information and for application materials, please be in touch with Rita Dempsey at the Dibner Institute, 617-253-8721. Applications were due 1 March 1996.

"Using Maps in Teaching the Humanities" - Newberry Library Summer Institute

Applications are invited from college and university faculty for the Newberry Library Summer Institute, "Cartography and History: Using Maps in Teaching the Humanities." Based on the Newberry's renowned collections of cartographic materials, the Institute is an intensive five-week course designed to explore the ways in which maps can enrich teaching in humanities fields. A faculty of scholars and bibliographers will represent various of issues in cartographic history and theory. Twenty participants will be selected on the basis of their records as teachers and the likely impact the Institution will have on their courses. The deadline for application was 1 March 1996. For additional information contact: The Hermon Dunlap Smith Center for the History of Cartography, The Newberry Library, 60 West Walton Street, Chicago, IL 60610; (312) 255-3656 or (312) 255-3523.

"Animals and Human Society"

The Shelby Cullom Davis Center for Historical Studies at Princeton University announces its theme for academic years 1996-1998, which will be "Animals and Human Society." It will explore the material, ethical and symbolic dimensions of the role of animals in human culture. The Center will offer a limited number of research fellowships for one or two semesters, running from September to January and from February to June, designed for highly recommended younger scholars who have finished their dissertations as well as for senior scholars with established reputations. Inquiries and requests for Fellowship Application Forms should be directed to the Manager, Shelby

Cullom Davis Center for Historical Studies, Department of History, 129 Dickinson Hall, Princeton University, Princeton, NJ 08544-1017. Applications and letters of recommendation for fellowships for 1997-1998 must be received by 1 December 1996. Scholars who would like to offer a paper to one of the weekly seminars are asked to send a brief description of their proposal and a current curriculum vitae to William Chester Jordan at the above address.

Scientific, Ethical, and Social Challenges of Contemporary Genetic Technology — NEH and NSF Summer Institute

The University of Puget Sound, supported by a major grant from the National Endowment for the Humanities and the National Science Foundation, will sponsor a summer institute on "Scientific, Ethical, and Social Challenges of Contemporary Genetic Thought," 7 July - 2 August 1996 in Tacoma, Washington. Applications were due 1 March 1996. Information may be obtained from David Magnus, Institute Director, Phibbs Prof. of Ethics and Science, University of Puget Sound, Tacoma, WA 98416; phone (206) 756-3508; fax (206) 756-3500; email: dmagnus@ups.edu.

Twenty-fifth Annual Institute for the Editing of Historical Documents

The Twenty-fifth Annual Institute for the Editing of Historical Documents will be held 24-29 June 1996 in Madison, Wisconsin, contingent on funding. The Institute will provide detailed theoretical and practical instruction in documentary editing and publication. Information may be obtained from the NHPRC, Room 607, National Archives (Arch I), Washington, DC 20408; phone (202) 501-5610. The application deadline was 15 March 1996.

Graduate Research Ethics Education

The Association for Practical and Professional Ethics will sponsor a Graduate Research Ethics Education Workshop at Indiana University 5-9 June 1995. Application deadline was 1 March 1996; information may be obtained from Brian Schrag, Project Director, Association for Practical and Professional Ethics, 410 North Park Avenue,

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Bloomington, IN 47405; phone (812) 855-6450; fax (812) 855-3315; email: appe@indiana.edu (Internet) or appe@indiana (Bitnet).

Summer Seminars for College Teachers 1996

The Summer Seminars for College Teachers Program 1996, sponsored by the National Endowment for the Humanities, includes two seminars of interest to historians of science: a seminar on General Science, 10 June - 19 July 1996, led by Rachel Laudan of the University of Hawaii (note address for 1996: Calzada de la Luz, 42, San Miguel de Allende, Guanajuato 37700, Mexico, phone 011 52 415 2 40 40), entitled "The Image of Science in the Nineteenth Century," and a seminar on "Descartes, Spinoza, Leibniz: Central Themes," 10 June - 2 August 1996, led by Jonathan Bennett, Department of Philosophy, Syracuse University, Syracuse, NY 13244; email: bennett@mailbox.syr.edu.

Institutes for College and University Faculty 1996

"Human Nature: Integrating Nature and Nurture," an Institute sponsored by the National Endowment for the Humanities, will be held summer of 1996 at Dartmouth College. For information, please write Roger D. Masters, Department of Government, Dartmouth College, Hanover, NH 03755; phone (603) 646-2153.

Fifth International Summer School in History of Science

The International Summer School in History of Science meets biannually in Bologna, Uppsala, Berkeley and Paris in rotation. The School's purpose is to bring together specialists and advanced students from different countries to develop topics in the history of science and technology. The fifth Summer School, to be held in Bologna from 15-21 September 1996, will be devoted to: "The ends of natural philosophy: the scientific revolution from the long view." Further information and application forms may be obtained from Giuliano Pancaldi, CIS, University of Bologna, via Zamboni 31, 40126 Bologna, Italy; fax +39.51.261156; email: mu8bov11@icineca.cineca.it.

The "Racial" Economy of Science

Indiana University Press announces publication of a new book edited by Sandra Harding entitled *The "Racial" Economy of Science: Toward a Democratic Future*, in which historians, sociologists, anthropologists, philosophers, political theorists, and scientists link the sciences firmly to local, national, and international projects of making and remaking democracy. For examination copies and information contact Indiana University Press, Textbook Department, 601 North Morton Street, Bloomington, IN 47404-3797.

The Australian National University

The American Chemical Society has just published the latest in its series "Profiles, Pathways, and Dreams" entitled *The Australian National University* by Arthur J. Birch. For information or a review copy contact: American Chemical Society, 1155 Sixteenth Street, NW, Washington, DC 20036; Telephone (202) 872-4600, or toll-free (800) ACS-5558. Clothbound, xxviii + 269 pages, ISBN 0-8412-1840-4.

"Moral Reasoning in Scientific Research: Cases for Teaching and Assessment"

A booklet of materials for teaching the responsible conduct of science to students is available from The Poynter Center for the Study of Ethics and American Institutions at Indiana University - Bloomington. Contact: Kenneth D. Pimple, Poynter Center, 410 North Park Avenue, Indiana University, Bloomington, IN 47405; telephone (812) 855-0261; fax (812) 855-3315; e-mail pimple@indiana.edu.

Astronomy in the Service of Islam

This volume explains how science was applied to three aspects of Islamic ritual in the Middle Ages: the regulation of the lunar calendar; the organization of the times of the five daily prayers; and the determination of the sacred direction (*qibla*) toward the Kaaba in Mecca. *Astronomy in the Service of Islam*, by David A. King, is available from Variorum, Ashgate Publishing Co., Old Post Road, Brookfield, VT, 05036; telephone (802) 276-3162; fax (802) 276-3837. ISBN 0-86078-357-X, 347 pages, 94.95 cloth.

"Studies in the History and Philosophy of Modern Physics"

Elsevier Science Limited has available a publication "Studies in the History and Philosophy of Modern Physics." Contact: Jon Milloini Elsevier Science Limited, The Boulevard Langford Lane, Kidlington, Oxford, OX5 1GB, England; telephone (+44) (0) 1865 843000; fax (+44) (0) 1865 843010.

OSIRIS Topics

Volume 11 on Science in the Field, guest edited by Henrika Kuklick and Robert Kohler, will appear in the fall of 1996; volume 12 on Gender and Science by Sally Gregory Kohlstedt and Helen Longino should be out in 1997; two newly-commissioned volumes will appear annually after that.

Volume 13 on historical commemorations, collective memory, the historiography of scientific anniversaries is to be coedited by Pnina Abir Am of the Dibner Institute at MIT (Bldg E56, Cambridge, MA 02139) and Clark Elliott (Harvard University Archives, Pusey Library, Harvard University, Cambridge, MA 02138). It will feature analytical essays on particular anniversaries and historical occasions. Those interested are encouraged to contact the editors.

Volume 14 will be edited by Morris Low of The Australian National University in Canberra and will be on East Asian science. Scholars interested in submitting broadly-conceived papers of a high standard which address major issues in the history of East Asian (and Southeast Asian) science, technology and medicine should contact him as soon as possible at the Division of Pacific and Asian History, RSPAS, ANU, Canberra, ACT 0200, Australia; email: mlow@coombs.anu.edu.au.

From Medieval Medical Training to Progressive Biology Instruction

The scientific publishing house Richard Rothe in Passau has just published *Vom Mittelalterlichen Medizin-zum modernen Biologie-unterricht* by Michael Freyer. The source-oriented book treats the history of medical and biological education from the middle ages to the present.

Future Meetings & Calls for Papers

Ethical Issues of Animal Research

A conference entitled "Ethical Issues of Animal Research" will be held 30 May - 1 June 1996 at the Poynter Center for the Study of Ethics and American Institutions, Indiana University, Bloomington, Indiana. The conference is multi-disciplinary, and will feature well-balanced and contrasting viewpoints concerning the use of animals in biomedical and agricultural research. Leading experts in the field will address topics including the moral standing of animals, including religious perspectives, major philosophic arguments for and against animal research, ethical decision-making on institutional Animal Care and Use Committees, personal ethical conflicts in animal research, and the genetic manipulation of animals. The conference is jointly sponsored by the Kennedy Institute of Ethics, Georgetown University, and is part of a series of annual meetings on animal ethics that the Kennedy Institute has organized. Additional information may be obtained from Kenneth D. Pimple, Poynter Center for the Study of Ethics and American Institutions, Indiana University, 410 North Park Avenue, Bloomington, Indiana 47405, phone (812) 855-0261; FAX (812) 855-3315; email: pimple@indiana.

Government, Science, & Environment

The American Society for Environmental History invites paper and session proposals on the theme "Government, Science, and the Environment" for its 1997 biennial meeting to be held in Baltimore 5-9 March 1997. The program committee encourages proposals that address the role of government and/or science in environmental affairs, although it welcomes papers and sessions on all aspects of human interaction with the physical environment over time. Scholars whose works are interdisciplinary, comparative, and international in scope are urged to apply. The deadline for proposals is 1 August 1996. For details, contact Jeffrey Stine, National Museum of American History, MRC 629, Smithsonian Institution, Washington, DC 20560, phone (202) 357-2058, FAX (202) 357-4256.

Geography and Enlightenment

The Department of Geography at the University of Edinburgh and the School of Geoscience at the Queen's University of Belfast in association with the Institute of Advanced Studies in the Humanities, and UnivEd Technologies, Edinburgh, announces an international conference on "Geography and Enlightenment", to be held 3-6 July 1996 at the University of Edinburgh. The program has been filled; there is no general call for papers. Information may be obtained from Peter S.B. Niven, Geography and Enlightenment, UnivEd Technologies Ltd., University of Edinburgh, Abden House, 1 Marchall Crescent, Edinburgh EH16 5HP; phone 0131 650 3475; FAX 0131 650 3474.

Representation in the Life Sciences

From 27-30 June 1996, the Fifth Annual Meeting of the German Society for the History and Philosophy of Biology will take place at the Natural History Museum in Vienna under the main theme: "The Order of Knowing: Representation in the Life Sciences." The historical framework includes such diverse topics as animal pictures from antiquity to illustrations of modern textbooks and microbiology. For further information, please contact Dr. Michael Weingarten, Mainzerstr. 19, D-55294 Bodenheim, Germany, or Mag. Christa Riedl-Dorn, Archiv Naturhistorisches Museum, Burgring 7 A-1014 Wien, Austria.

Deutsche Wissenschaftshistorikertag

From 27 - 29 September 1996 the first Deutsche Wissenschaftshistorikertag (German Meeting of Historians of Science) will take place in Berlin. Topics to be treated include 1) sciences circa 1600, and 2) sciences circa 1900. In special symposia, biology, geology, history of universities and scientific societies, resp. medicine, social sciences, maritime research, earth sciences, pharmacy, etc., will be treated. For more information please contact Mag. Christa Riedl-Dorn, Archiv Naturhistorisches Museum, Burgring 7 A-1014 Wien, Austria.

Oil & Gas Exploration in North America

The History of Geology Division of the

Geological Society of America and the History of Earth Sciences Society plan a July 1996 meeting on the "History of Oil and Gas Exploration in North America" to be held at the Drake Well Museum in Titusville, PA. For more information, please contact Bill Brice, Geology Department, University of Pittsburgh at Johnstown, Johnstown, PA 15904, phone (814) 269-2901, fax (814) 269-7245; email: bbrice@upj.pitt.edu.

Pacific Division, AAAS

The Pacific Division of the American Association for the Advancement of Science welcome papers in History of Science at its meeting at San Jose State University, California, 23-27 June 1996. Abstracts are due 10 April 1996. Further information may be obtained from Alan Leviton, Pacific Division AAAS, California Academy of Sciences, San Francisco, CA 94118, phone (415) 752-1554.

Media History

The American Journalism Historians Association invites paper entries, panel proposals and abstracts of work in progress having to do with any facet of media history, including electronic media and film, advertising, and public relations, for its annual convention to be held 3-5 October 1996 in London, Ontario. Submissions should be postmarked by 1 May 1996. For further information, contact Patricia Dooley, University of Maine, Department of Communication and Journalism, phone (207) 581-1283; fax (207) 581-1286.

Eighteenth Century Studies

From 17-19 October 1996 the Midwest American Society for Eighteenth-Century Studies will hold its annual meeting in Indianapolis. Papers relating to the "long" 18th century (1660-1815) are invited; topics relating to the conference theme of material culture are particularly welcome, and participation from historians of science is encouraged. Proposals should be submitted by 1 May 1996 to 1996 MWASECS Program Committee, c/o Dr. Ron Rarick, Art Department, Ball State University, Muncie, IN 47306-0405, phone (317) 285-5838.

Future Meetings & Calls for Papers

Science, Technology, & Industry

The XXth International Congress of the History of Science will meet from 10-26 July 1997 at the University of Liège, Liège, Belgium. The general theme of the Congress is "Science, Technology and Industry." Discussions will focus on the relationships between pure science, applied sciences and technology in their social and economic context. Traditional scientific and historical sections and other topical questions will also have their place. For more information, contact XXth International Congress of History of Science, Universite de Liège, Prof. R. Halleux; Centre d'Histoire des Sciences et des Techniques; 15, av. des Tilleuls; B-4000 Liège; Belgium; fax +32 (0) 41 66 95 47; email: CHSTULG@vm1.ulg.ac.be.

A regional conference of the International History, Philosophy and Science Teaching Group will be held 21-24 June 1997 at the University of Calgary, Calgary, Canada. All members of the international group, and others, are welcome to attend. To be considered for journal publication papers must be submitted to the conference secretariat by 31 October 1996. Other conference papers, to appear in the Proceedings, must be submitted by 15 April 1997. To be put on the conference mail list, and to obtain registration details, please send name and address to the conference secretary, Ms. Linda Lentz, Faculty of Education, University of Calgary, Calgary, Alberta, CANADA T2N 1N4; email: 18011@ucdasvm1.admin.ucalgary.ca.

Geography and Enlightenment

Geography and Enlightenment, an international conference sponsored by the Department of Geography at the University of Edinburgh and the School of Geosciences at the Queen's University of Belfast, will be held 3-6 July 1996 at the University of Edinburgh. All conference enquiries should be addressed to Mr. Peter S. B. Niven, Geography and Enlightenment, UnivEd Technologies Ltd., University of Edinburgh, Abden House, 1 Marchall Crescent, Edinburgh EH16 5HP; phone 0131 650 3475; fax 1031 650 3474.

Sociology of Scientific Knowledge

The University of East London will be the site of the conference "Is there a future for the sociology of scientific knowledge?" to be held 7 September 1996. Contributions are invited for parallel sessions on the sociology of technology, politics and alternative epistemologies, and the relationship between sociology of scientific knowledge and other disciplines. Abstracts should be sent by 1 May 1996 to Tim Jordan, Dept of Sociology, University of East London, email: t.r.jordan@uel.ac.uk; or to Sally Wyatt, Dept of Innovation Studies, University of East London, email: s.m.e.wyatt@uel.ac.uk. If you are interested in attending the conference, please call Joan Tremble, phone +44 (0) 181 849 3460; fax +44 (9)0 181 849 3619.

Am. Association for History of Medicine

The American Association for the History of Medicine will hold its 1997 annual meeting in Williamsburg, Virginia, 3-6 April 1997. Any person interested in presenting a paper at this meeting is invited to submit an abstract (one original and seven copies) to Todd L. Savitt, Ph.D., Department of Medical Humanities, East Carolina University School of Medicine, Greenville, NC 27858-4354. Abstracts must be received by 15 September 1996. Abstracts submitted by email or fax will not be accepted.

History of Sundial Science

An international symposium on the history of sundials' science will be held during the XXth International Congress of History of Science (Liège 20-26 July 1997). Abstracts are due by May 1996 to Dr. Jean-Michel Faidit, Université Montpellier III Planétarium, B.P. 1088 - 34007 Montpellier, FRANCE; phone (33) 67.61.10.95; fax (33) 67.61.10.08.

History of Medical Geography

Göttingen University (Institute for the History of Medicine) will be the site of a meeting on the history of medical geography, to be held 13-15 June 1996. Those wishing to participate and receive a copy of the program should contact Nicolaas Rupke, Institute for

the History of Medicine, Humboldtallee 36, 37073 Göttingen, Germany; email: nrupke@gwdg.de; fax -49 (551) 39-9554.

Scientific Instruments

The Scientific Instrument Commission of the International Union for the History and Philosophy of Science will meet 9-13 September 1996 at the National Museum of Science and Technology, Ottawa, Canada. Non-members of the Commission are encouraged to participate. Contributions which explore apparatus as evidence of the material history of science, that utilize surviving instruments and which investigate problems related to preservation of scientific apparatus are particularly welcome. Information may be obtained from Dr. Randall Brooks, Curator, Physical Sciences and Space, National Museum of Science and Technology, PO Box 9724, Tgerm. T, Ottawa, ON K1G 5A3, CANADA, phone (613) 990-2804; fax (613) 990-3636; email: brooks@fox.nstn.ca.

Crossing Boundaries: BSHS, HSS, CSHPS

The third joint meeting of the BSHS, HSS, and CSHPS will take place in Edinburgh, Scotland, from 23-26 July 1996. More than twenty sessions will address the theme of boundaries, between the local and the general, between science and mathematics, between the natural and the social, between practitioners and scientists. Case studies range from the tenth to the late-twentieth century, from mathematics and physics to land economy and psychology, and from the Arctic and Asia to America and Europe. Also scheduled are several innovative social events, including a whisky appreciation and tasting, a Burke and Hare lecture and reception, and a James Clerk Maxwell evening. Provisional registration was due by 1 January 1996 to BSHS Executive Secretary, 31 High Street, Stanford in the Vale, Faringdon, Oxon, SN7 8LH, England; phone and fax (44) (0) 1367 718 963.

Am. Association for History of Medicine

The American Association for the History of Medicine will hold its annual meeting at Buffalo from 9-12 May 1996. Information may be obtained from the Local Arrange-

Future Meetings & Calls for Papers

ments Chair, Dr. James J. Bono, Department of History, Park Hall SUNY at Buffalo, Buffalo, NY 14260-4130.

Science & Technology in World History

The 1996 conference of the **World History Association** will be held at California State Polytechnic University, Pomona, 21-23 June 1996. The theme of the conference is Science and Technology in World History. Proposals were due 19 January 1996. Further information may be obtained from Professor David Smith, Program Chair, Department of History, California State Polytechnic University, Pomona, 3801 West Temple Avenue, Pomona, CA 91768; phone (909) 869-3874; email: drsmith2@csupomona.edu.

Corpuscular Matter Theory

The Foundation for Intellectual History in cooperation with the Istituto Italiano per gli Studi Filosofici will hold its **Fourth International Research Conference, Late Medieval and Early Modern Corpuscular Matter Theory** in St. Andrews, Scotland, 6-15 August 1996. Information may be obtained from John Murdoch or William Newman at Harvard University, Department of the History of Science, Science Center 235, Cambridge, MA 02138.

History of Philosophy of Science

The **History of Philosophy of Science Working Group** will hold its first conference in cooperation with Virginia Polytechnic Institute and State University from 19-21 April 1996. For information, contact Eric Palmer, Department of Philosophy, Box 137, Allegheny College, Meadville, PA; email: epalmer@alleg.edu.

History of Sexually Transmitted Diseases

The **University of London** will host a conference on comparative perspectives on the history of sexually transmitted diseases from 26-28 April 1996. Information may be obtained from Dr. Karen Jochelson, Institute of Commonwealth Studies, University of London, 28 Russell Square, London, WC1 B5DS, United Kingdom; phone +44 (0) 71-580 5876; fax +44 (0) 71-255 2160.

Architecture and Science

The 49th Annual Meeting of the **Society of Architectural Historians** in St. Louis, 17-21 April 1996, will feature a session on **Architecture and Science: The Place of Historical Epistemology in Architectural Thought**. Information may be obtained from Carla Yanna, School of Architecture and Planning, University of New Mexico, 2414 Central SE, Albuquerque, NM 87131, email: cyanni@unm.edu, or from Paula Y. Lee Department of Art, Cochrane-Woods Art Center, 5540 S. Greenwood Ave., Chicago, IL 60637, email: paulalee@midway.uchicago.edu.

Descartes' Natural Philosophy

The **University of Sydney** will host a conference on Descartes' Natural Philosophy from 9-12 April 1996. Questions should be addressed to Stephen Gaukroger, TM Philosophy, University of Sydney, NSW 2006, Australia; email: stephen.gaukroger@philosophy.su.edu.au.

Hippocrates & Modern Medicine

The **Francis Clark Wood Institute for the History of Medicine** of the College of Physicians of Philadelphia will hold a conference on **Hippocrates and Modern Medicine** from 4-5 May 1996. For further information contact Monique Bourque, Ph.D., Assistant Director for Programs, Wood Institute, College of Physicians of Philadelphia, Philadelphia, PA 19103; phone (215) 563-3737; fax (215) 561-6477; email: bourque@hsl.org.

SHOT: London 1996

The **Society for the History of Technology** will meet at the **Science Museum in London** from 1-4 August 1996. For information contact Peter Morris, The Science Museum, London SW7 2DD, UK; fax intl 71 938 9736; email: p.morris@ic.ac.uk.

Symposium to honor Leibniz

The **Sächsische Akademie der Wissenschaften zu Leipzig** announces a symposium in honor of the 150th birthday of Gottfried Wilhelm Leibniz, to be held 9-11 April 1996 in Leipzig. For information,

please call or write the **Sächsische Akademie** at Karl-Tauchnitz-Strasse, 1, D-04107 Leipzig; or PF 440 D-04004 Leipzig; phone (0341) 7 11 53-0 app.; fax (0341) 7 11 53 44.

Jt. Atlantic Seminar meeting at Harvard

The **Joint Atlantic Seminar for the History of Biology** will meet at the Department of the History of Science at Harvard University on 12-13 April 1996. Information is available from Everett Mendelsohn, Department of the History of Science, Harvard University, Science Center 235, Cambridge, MA 02138; phone (617) 495-3492; fax (617) 495-3344; email: emendels@fax.harvard.edu.

Archives of the Scientific Revolution

A joint **Royal Society/British Society for the History of Science** meeting with the theme "**Archives of the Scientific Revolution**" will be held at the Royal Society, London, SW1, 11-12 April 1996. Registration details and the full program may be obtained from Samantha Eley, The Royal Society, 6 Carlton House Terrace, London, SW1Y 5AG; phone 0171 839 5561.

Empirical Models and Policy Making

A conference on the interaction between empirical models and policy making will be hosted by the **Tinbergen Institute in Amsterdam** in May 1997. Requests for information and paper proposals should be sent to Frank den Butter and Mary Morgan at Tinbergen Institute, Keizersgracht 482 1017 EG Amsterdam, The Netherlands; fax 31 20 551 3555. Proposals are due 1 May 1996.

History of Behavior & Social Sciences

The **International Society for the History of Behavioral and Social Sciences** will hold its 28th Annual Meeting 27-30 June 1996 at Earlham College in Richmond, Indiana. For further information, contact Dr. Donald A. Dewsbury, Department of Psychology, University of Florida, Gainesville, FL 32611-2250; phone (904) 392-0596; fax (904) 392-7985; email: dewsbury@webb.psych.ufl.edu.

History of Science in East Asia

The Eighth International Conference on the History of Science in East Asia will be held at Seoul National University, Seoul, Korea, 26-31 August 1996. Abstracts were due 29 March 1996. For information, please contact professor Yung-Sik Kim, Conference Office, Program in History and Philosophy of Science, College of Natural Sciences, Seoul National University, Seoul 151-742 Korea; phone 02-880-6637; fax 02-873-0418.

American Geophysical Union

Two sessions of the American Geophysical Union will be held in Baltimore 20-24 May 1996. Sessions scheduled include 1) Historical Perspectives on Climate Change, and 2) Geophysical Research and the Smithsonian Institution: 1846-1996. Information may be obtained from James R. Fleming, Science and Technology Studies Program, Colby College, 5880 Mayflower Hill, Waterville, ME 04901-8858; phone (207) 872-3548; fax (207) 872-3074; email: jrtpp://www.colby.edu/sci.tech/.

Cultural Aspects of Astronomy

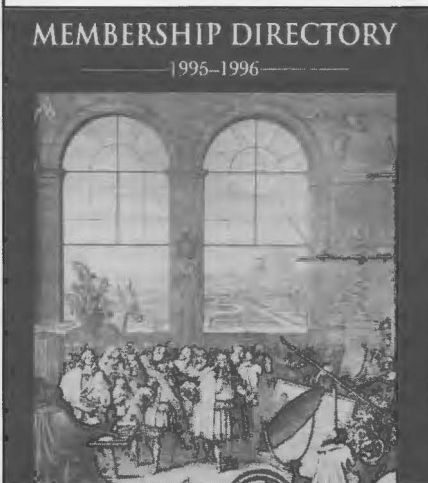
An international meeting on "Cultural Aspects of Astronomy: An Intersection of Disciplines," will be held at St. John's College in Santa Fe, New Mexico, 3-9 August 1996. More detailed information may be found at <http://www.phys.unm.edu/~zeilik/oxfordV> or rsinclair@nsf.gov.

MD/PhD Education

A National Meeting on MD/PhD Education and Research in the Humanities and the Social Sciences will be held 12-14 April 1996 at the University of Chicago. Those interested in participating or in having their name added to the mailing list are encouraged to contact the Program in Medicine, Arts, and the Social Sciences at the University of Illinois Medical Scholars Program, phone (312) 702-7967; email: rsiegel@uchicago.edu or gottheil@uiuc.edu.

HISTORY OF SCIENCE SOCIETY PUBLICATIONS

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_____ copy(ies) of *History of Science Syllabus Sampler* (\$10 U.S./Canada; other addresses \$15)

_____ copy(ies) of *Directory of Women Historians of Science, Technology, and Medicine* (\$2.50, all addresses)

Total \$ _____

Please make check or money order payable (in U.S. dollars) to the History of Science Society, HSS Executive Office, Box 351330, University of Washington, Seattle, WA 98195-1330. Phone (206) 543-9366; Fax (206) 685-9544.

Positions

This list represents all announcements of job searches brought to the Society's attention. Notices are drawn and condensed from many sources. The Society cannot assume responsibility for the accuracy of any item; potential applicants should double-check all details, especially closing dates. Notices of job announcements are posted as received on HSSJOBS, an electronic bulletin board accessible via the Internet Anonymous File Transfer Protocol (FTP). This file is available at the site ftp.u.washington.edu, in `directory/pub/user-supported/hss`, under filename `hssjobs`. If you encounter difficulties, contact your computer network department for detailed instructions. Job information is also available on the HSS home page, see page 12.

Research Position - Deutsches Museum

The Forschungsinstitut für Technik- und Wissenschaftsgeschichte at the Deutsches Museum invites applications to fill a five-year research position (post-doctoral level). Salary level is BAT Iia (approximately \$ 50,000). Applications will be considered from any field in the history of science and technology. The candidates are expected to have completed the Ph.D. by 1 July 1996. The successful candidate will work on her/his research project (Habilitation or equivalent (book)) and contribute to current and future research and projects of the Forschungsinstitut and the Deutsches Museum. We particularly invite applications from women. Application deadline is 30 April 1996. Please send your letter of application, CV, prospectus of research (3-5 pages), and list of three referees to: Personalstelle des Deutschen Museums, Museumsinsel 1, 80538 Munich, Germany.

Chair, History of Science- Utrecht University

Utrecht University, The Netherlands, invites applications for the Chair in the History of Science (full-time). His or her main duties will be to continue the tradition of high-level research and teaching started by E. J. Dijksterhuis and to lead a group in the Department of History and Foundations of Mathematics and Science of Utrecht University.

Expertise in the history of nineteenth- and twentieth-century physics will be

a recommendation. Some administrative tasks will also be required. Research and teaching extend to a similar department at the Free University at Amsterdam for part of the time (30%). Applicants who do not speak Dutch are expected to show sufficient proficiency in the language in about two years. The appointment will be in a tenured position on the professional salary scale A (BBRA) which had a maximum of Dfl. 11.608,- per month (equivalent to about 7250 US \$). Further inquiries can be made with the chairman of the search committee Professor N. G. van Kampen (telephone +31 30 253 2284) or with Dr. F. H. van Lunteren, Institute for the History of Science, Nieuwegracht 187, 3512 LM Utrecht, The Netherlands; tel. +31 30 253 8241 or +31 30 253 8040; e-mail: f.h.vanlunteren@fys.ruu.nl.

Applications, detailing both research and teaching experience, and including the names of three professional referees, should be sent to Professor J. E. van Himbergen, Dean of the Faculty of Physics and Astronomy, P.O. Box 80.000, 3508 TA Utrecht, and mention the vacancy no. 704. The closing date for applications is 15 May 1996.

Post-doctoral Fellowship - George Washington University

The George Washington University is establishing the Center for History of Recent Science, in the Department of History, and is offering a pair of two-year post-doctoral fellowships to begin August of this year. "Recent science" comprises lines of research in physical or biological sciences that have been carried out for the most part by scientists who are still living. Work in history of recent science poses novel historiographical problems, notably the use of interviews and their integration with the more traditional materials of the historian. Inquiries and letters of application to Horace Freeland Judson, Director of the Center for History of Recent Science and Research Professor of History, The George Washington University, Washington, DC 20052. Applications should be brief, with an account of research interests, suggestions for possible topics, and vita and should be supported by three letters of reference. Deadline 15 May 1996. Telephone: 202-994-1670 or 410-889-4581.

Facsimile: 410-889-4581. E-mail: phillips@gwis2.circ.gwu.edu. The George Washington University is an affirmative action/equal opportunity employer.

Dibner Post-doctoral Fellow -- Saint Michael's College

The Dibner Committee has approved a one-year Post-doctoral position at Saint Michael's College (Colchester, Vermont). The position encourages applications from scholars with a special interest in the history of biology and in science and religion. Teaching requirements will be typical of a small liberal arts institution, with consideration given for the applicant's professional advancement. The College hopes to attract applicants who can teach in any of four areas (1) Humanities Program (emphasis on the nineteenth-century for 1996-97); (2) First Year Seminar (introductory level history of science course); (3) the newly augmented Biology introduction; and (4) upper level courses in history of biology. For additional information, please contact the HSS Executive Office. Applicants should send a letter of application, c.v., three letters of reference, and a writing sample to the HSS Executive office, Box 351330, University of Washington, Seattle, WA 98195-1330 by 30 April 1996.

ALSO NOTED::

Postdoctoral Fellowships - Max Planck Institute

The Max Planck Institute for the History of Science announces post-doctoral fellowships for outstanding young scholars in the history of science and technology for the academic year 1996-97. The chief selection criterion will be scholarly achievement and promise; candidates of any nationality and all areas of specialty are invited to apply. Fellows must have completed their Ph.D. by September 1996; the stipend for applicants from abroad is 3200 DM per month. Applications, which should include a curriculum vitae, a list of publications, a brief outline (1500 words) of proposed research and two letters of recommendation were due by 1 March 1996 to Max Planck Institute for the History of Science, Abt. Personal,

Positions

Wilhelmstrasse 44, 10117 Berlin, Germany.

Research Associate - University of Minnesota

University of Minnesota, Twin Cities. Research Associate (postdoctoral fellow) in the history or Sociology of Science and Technology. With the support of a research training grant from the National Science Foundation, the University of Minnesota has established an interdisciplinary program for Studies of Science and Technology. Applications are now being sought for a full-time, nine-month postdoctoral position in the history or sociology of science and technology. The primary qualifications for the position are potential for making original contributions to research I disciplines related to Studies in Science and Technology, and for strengthening research and graduate education in our program. The candidates' areas of specialization should be relevant to the teaching of a joint graduate research seminar on the history of the life sciences. All requirements for the Ph.D. must be completed by 1 September 1996. Applicants should submit a curriculum vita, publications or writing samples, and have three letters of recommendation sent to Professor Alan E. Shapiro, Program in History of Science and Technology, University of Minnesota, 148 Physics, 116 Church Street S.E., Minneapolis, Minnesota 55455. Applications were due by 12 February 1996. The University of Minnesota is committed to the policy that all persons shall have equal access to its program, facilities, and employment without regard to race, color, creed, religion, national origin, sex age, marital status, disability, public assistance status, veteran status, or sexual orientation.

Historian of Medicine - University of Wisconsin-Madison

History of Medicine. The University of Wisconsin-Madison Medical School is seeking a junior historian of medicine for a two-year appointment to write a history of the medical school. Ph.D. preferred; experience with institutional history or history of academic medicine preferred. Salary and benefits dependent on qualifications; vary in the range of \$25-30,000 per year. The ap-

pointment will begin no later than 1 July 1996. Review of applications began 1 February 1996. Applicants should send a c.v., writing samples, and the names of three references to Ronald L. Numbers, Department of the History of Medicine, 1300 University Avenue, Madison, WI 53706-1532. The University of Wisconsin is an AA/EOE.

Undergraduate Internship - Smithsonian

The Smithsonian Astrophysical Observatory invites undergraduates interested in a physical science or history of science career to apply for a ten-week internship. One of eleven positions will be available in the History of Science with a concentration in astronomy research. This research will be supervised by a Harvard University faculty member. For program and application information contact: Kimberly Dow, Program Director, SAO Summer Intern Program, MS 83, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138; Telephone: (617) 496-7248 (49-ORBIT); Email: intern@cfa.harvard.edu. Application deadline: 1 March 1996.

Postdoctoral Fellowship - NSF Grant

Postdoctoral Fellowship—Nature, History, and the Natural Historical Sciences. The University of Minnesota, in conjunction with Arizona State University and the University of Oklahoma, invites applications for a two-year postdoctoral fellowship beginning 1 August 1996 as part of a NSF research and training grant focused on historical, philosophical, and scientific issues related to the natural historical sciences. Designed as a traveling graduate seminar, the program enables students to explore the general topic within a cohort/community learning environment that includes five graduate students, an ecologist (James Collins, ASU), an historian of ecology (Gregg Mitman, OU), a philosopher/historian of evolutionary biology (John Beatty, UMN), and the postdoctoral fellow, in addition to other biologists, historians, and philosophers of biology at the respective institutions. The fellow will assist faculty with seminar development and implementation, help oversee graduate students, and conduct research in the subject area of the grant. Individuals with a Ph.D.

and interdisciplinary training in conservation biology, ecology, environmental history, or the history and philosophy of biology are strongly encouraged to apply. Applicants should submit a letter, indicating the range of their teaching competence and expertise, a curriculum vitae, and three letters of recommendation to John Beatty, Department of Ecology, Evolution and Behavior, 100 Ecology Building, University of Minnesota, St. Paul, MN 55108, fax: 612-624-6777. Completed applications were due by 15 March 1996.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

Postdoctoral Research Fellowship - University of Sydney

Postdoctoral Research Fellowship—University of Sydney, Unit for the History and Philosophy of Science. Applications are invited for a Research Fellowship to undertake a project in the history of the New South Wales Blood Transfusion service. Using archives, interviews and other historical materials the Fellow will prepare, for subsequent publication, a scholarly and accessible history of the 60 year old Service. Applicants should possess a doctorate in history of science or medicine (or related field), experience in archival research, and the ability to write for a general readership and to a deadline. The Unit for HPS would welcome applicants willing to offer a one-semester course in HPS/HPM and to participate in our lively postgraduate program.

The initial appointment will be for one year and is renewable for up to a further two years. Starting salary is A\$42,189, rising by increments in subsequent years of the fellowship. A\$2000 is available per annum for research expenses and computer equipment will be supplied. We hope that the successful applicant will be able to take up the fellowship in mid to late 1996.

Applicants should quote reference number A01/01 and submit, by 15 February 1996, the following materials to Staff Office

Positions

(attn: Research Fellowship), Science Faculty, Carslaw Building, University of Sydney, Sydney NSW 2006 AUSTRALIA: (a) curriculum vitae and personal statement (b) copies of any relevant publications (c) two proposed undergraduate course outlines (d) the names and contact addresses of at least three referees.

Further details of this position are available from Michael Shortland, Unit for HPS, F07 University of Sydney, NSW 2006 AUSTRALIA. Fax +61-2-351-4124; Tel 61-2-351-4801. Email michaels@scifac.su.oz.au.

Assistant Professor - University of Illinois at Chicago

The Departments of History and Physics of the University of Illinois at Chicago (UIC) anticipate a joint appointment beginning Fall 1996 of a tenure-track Assistant Professor, in the History of Science and/or Astronomy. Both departments are dedicated to excellence in research and have a strong commitment to undergraduate and graduate education. Ph.D. required. Applicants should submit a vita and arrange to have three letters of recommendation sent to: Professor James Cracraft, University of Illinois at Chicago, Department of History (m/c 198), 913 University Hall, 601 South Morgan Street, Chicago, IL 60607-7109. The University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer. Closing date for applications is 1 April 1996.

Assistant Professor - University of Wisconsin-Platteville

The Department of Social Sciences at the University of Wisconsin-Platteville invites applications for a tenure-track assistant professor position for courses in World Civilization (survey) and upper division courses in one or more of the following: History of Science/Technology, Medieval Europe, Renaissance and Reformation, History of Ideas and non-American Social and/or Cultural History. Outside field in Middle East or Africa preferred. Ph.D. in History required at time of appointment in August 1996. Prior teaching experience is required.

Send letter of application, resume, and three letters of recommendation to: Professor Paula M Nelson, Chair, Search and Screen Committee, Department of Social Sciences, 1 University plaza, university of Wisconsin-Platteville, Platteville, WI 53818. Deadline: 1 February 1996.

Post-Doctoral Fellowship - University of California, Los Angeles

University of California, Los Angeles, announces its 1996-7 postdoctoral fellowship programs. In particular, the Ahmanson & Getty Fellowship has a history of science component. For more information contact Marina Romani (romani@humnet.ucla.edu). Application deadline is 15 March 1996.

Post-Doctoral Fellowship - University of California, Los Angeles

The Center for Cultural Studies of Science, Technology, and Medicine, Department of History, University of California at Los Angeles, invites applications for a postdoctoral teaching fellowship for 1996-97. We are looking for applicants from history of science or a closely related field, and preferably for someone specializing in early modern science. The position requires half-time teaching, one course for each of 3 quarters. One of the courses, in the fall, must be our introductory lecture course on the scientific revolution; the other courses will probably be small colloquium courses. The position carries a salary of about \$30,000 plus health benefits. Application, including a curriculum vitae, a brief description of research, three letters of recommendation, and at least one example of written work should be sent to arrive by 1 April 1996 to Theodore M. Porter, Department of History, UCLA Box 951473, Los Angeles, CA 90095-1473; telephone 310-206-2352; fax 310-206-9630; email porter@histr.sscnet.ucla.edu.

Assistant Professor - Hanover College

History. Assistant Professor, renewable up to three years. Ph.D. required. Specialty in modern European History, excluding 20th-century Germany. History of

science desirable. Will teach introductory courses in western civilization. Send letter of application, vita, and three letters of recommendation to Dr. G. M. Curtis, Chair, History Department Search, c/o Christine Wilcox, Hanover College, P.O. Box 108, Hanover, IN 47243-0108. AA/EOE. Review of applications begins 15 April 1996 and continues until position is filled.

Post-Doctoral Fellowship - Max Planck Institute

The Max Planck Institute for the History of Science in Berlin announces two Walther Rathenau Postdoc Fellowships for the 1996-97 in the area of interactions between environmental history and the history of science and technology. Rathenau Fellowships are intended for outstanding young scholars embarked on interdisciplinary research in the history of science and technology, although their doctorates may be from another discipline. Rathenau Fellows for 1996-7 will participate in the 1997 Berlin Summer Academy on "Nature's Histories."

Furthermore the institute announces the Lorenz Kruger Postdoctoral Fellowship for 1996-97 for an outstanding junior scholar whose current research combines perspectives from the history of science with those of the philosophy of science and/or the history of philosophy. The fellowship is named in honor of the late Professor Lorenz Kruger, of the university of Gottingen, whose work sought to connect philosophy with the history of science.

The Fellowships are open to scholars of all nationalities who have completed their Ph.D. no later than 31 August 1996 and no earlier than 31 July 1991. The stipend for applicants from abroad is 3200 DM per month. Applicants are invited to send a curriculum vitae, a brief research proposal (500 words), a writing sample (e.g. a dissertation chapter or article), and two letters of recommendation by 1 May 1996 to: Max Planck Institute for the History of Science, Abt. Personal, Wilhelmstrasse 44, 10117 Berlin, Germany.

Isis Books Received

Note: Prior to the publication of each newsletter, the HSS Executive Office receives from the Isis Editorial Office a list of books received by that office for potential review. This list appears here quarterly; it is not compiled from the annual Current Bibliography.

Quarterly Report to 7 December 1995,
continued from January 1996 Newsletter

Porter, Roy (Editor). *Medicine in the Enlightenment*. (Clio Medica.) (The Wellcome Institute Series in the History of Medicine.) x + 399 pp., illus., figs., tables, index. Amsterdam/Atlanta, Ga.: Rodopi, 1995. Hfl. 55, \$36.50 (paper).

Read, John. *From Alchemy to Chemistry*. xviii + 206 pp., illus., figs., index. 1961. Dover Paperback Edition. New York: Dover Publications, 1995. \$8.95 (paper).

Reckenfelderbaumer, Alfred. *Medizin und Wissenschaftstheorie: Die Geschichte der Wismuttherapie als wissenschaftstheoretische Fallstudie*. (Abhandlungen zur Geschichte der Medizin und der Naturwissenschaften, Vol. 73.) 207 pp., bibl. Hussum, Germany: Matthiesen Verlag, 1995. DM 69 (paper).

Redhead, Michael. *From Physics to Metaphysics*. (The Tarnar Lectures Delivered at Cambridge Under the Auspices of Trinity College in February 1993.) xiv + 92 pp., figs., index. New York/Cambridge: Cambridge University Press, 1995. \$29.95.

Reis, Donald J.; Bousquet, Pascal; Parini, Angelo (Editors). *The Imidazoline Receptor: Pharmacology, Functions, Ligands, and Relevance to Biology and Medicine*. (Annals of the New York Academy of Sciences, Vol. 763.) xvi + 707 pp., illus., figs., tables, indexes. New York: New York Academy of Sciences, 1995. \$190.

Rosen, Edward. *Copernicus and His Successors*. Edited by Erna Hilfstein. x + 244 pp., illus., index. London/Rio Grande, Ohio: The Hambledon Press, 1995. \$55.

Rossiter, Margaret W. *Women Scientists in America: Before Affirmative Action, 1940-1972*. xx + 584 pp., illus., figs., tables, bibl., index. Baltimore, Md./London: Johns Hopkins University Press, 1995. \$39.95

Salmon, Wesley; Wolters, Gereon (Editors). *Logic, Language, and the Structure of Scientific Theories*. (Pittsburgh-Konstanz Series in the Philosophy and History of Science, Vol. 2.) (Proceed-

ings of the Carnap-Reichenback Centennial, University of Konstanz, 21-24 May 1991.) x + 363 pp., bibls., index. Pittsburgh, Pa./Konstanz, Germany: University of Pittsburgh Press, 1994. \$59.95

Sassower, Raphael. *Cultural Collisions: Postmodern Technoscience*. xiv + 156 pp., bibl., index. New York/London: Routledge, 1995. (Paper).

Savitt, Steven F. (Editor). *Time's Arrows Today: Recent Physical and Philosophical Work on the Direction of Time*. xiv + 330 pp., illus., figs., tables, bibl., index. Cambridge/New York: Cambridge University Press, 1995. \$49.95

Scharff, Robert C. *Compte after Positivism*. (Modern European Philosophy.) xviii + 227 pp., bibl., index. Cambridge/New York: Cambridge University Press, 1995. \$54.95

Schlagel, Richard H. *From Myth to Modern Mind: A Study of the Origins and Growth of Scientific Thought*. Volume 1: Theogony through Ptolemy. (American University Studies, Series V: Philosophy, Vol. 170.) xii + 498 pp., illus., bibl., index. New York/Washington, D.C.: Peter Lang, 1995. \$45.95 (paper).

Schleiner, Winfred. *Medical Ethics in the Renaissance*. xvi + 230 pp., frontis., illus., bibl., index. Washington, DC: Georgetown University Press, 1995. \$55, £42.95.

Schneider, David M. *Schneider on Schneider: The Conversion of the Jews and Other Anthropological Stories*. Edited and Introduced by Richard Handler. x + 241 pp., illus., index. Durham, N.C.: Duke University Press, 1995. \$44.95 (cloth); \$14.95 (paper).

Schrodinger, Erwin. *The Interpretation of Quantum Mechanics: Dublin seminars (1949-1955) and other unpublished essays*. Edited by Michel Bitbol. vi + 151 pp., figs. Woodbridge, Conn.: Ox Bow Press, 1995. \$55. (cloth); \$30 (paper).

Schweitzer, Albert. *Lesebuch*. Edited by Harald Steffahn. (Beck'sche Reihe, Vol. 1133.) 408 pp., index. Munich: C.H. Beck, 1995. DM 19.80, SFr 19.80, ÖS 155 (paper).

Segre, Emilio. *Enrico Fermi: Physicist*. xii + 276 pp., frontis., illus., apps., bibl., index. Chicago/London: University of Chicago Press, 1995. \$13.95, £11.25 (paper).

Selles, Manuel. *Instrumentos de Navegacion: Del Mediterraneo al Pacifico*. 145 pp., illus., index.

Barcelona/Madrid: Lunberg Editores, 1994.

Serres, Michel. *Angels: A Modern Myth*. 302 pp., illus. Paris/New York: Flammarion, 1995. \$45.

Sharma, Virendra Nath. *Sawai Jai Singh and His Astronomy*. xvi + 347 pp., frontis., illus., tables, apps., bibl., index. Delhi: Motilal Banarsidass Publishers, 1995. Rs 245.

Sheehan, William. *The Immortal Fire Within: The Life and Work of Edward Emerson Barnard*. xiv + 429 pp., illus., index. Cambridge/New York: Cambridge University Press, 1995. \$49.50.

Shuler, Jay. *Had I the Wings: The Friendship of Bachman and Audubon*. Athens: University of Georgia Press, 1995.

Simplicius. *On Aristotle's On the soul 1.1-2.4*. Translated by J.O. Urmson. Notes by Peter Lautner. 248 pp., app., indexes. Ithaca, N.Y.: Cornell University Press, 1995. \$42.

Sivin, Nathan. *Science in Ancient China: Researches and Reflections*. (Variorum Collected Studies Series.) xii + 314 pp., illus., tables, app., bibl., index. Brookfield, Vt.: Variorum, 1995. \$89.95

Sonnert, Gerhard. *Who Succeeds in Science?: The Gender Dimension*. With the Assistance of Gerald Holton. xviii + 215 pp., tables, apps., bibl., index. New Brunswick, N.J.: Rutgers University Press, 1995. \$40 (cloth); \$16.95 (paper).

Sorensen, W. Conner. *Brethren of the Net: American Entomology, 1840-1880*. (History of American Science and Technology Series.) xvi + 357 pp., illus., tables, bibl., index. Tuscaloosa: University of Alabama Press, 1995. \$59.95.

Spanier, Bonnie B. *Im/partial Science: Gender Ideology in Molecular Biology*. (Race, Gender, and Science.) xx + 207 pp., figs., apps., index. Bloomington/Indianapolis: Indiana University Press, 1995. \$29.95 (cloth); \$14.95 (paper).

Steen, R. Grant. *Changing the Odds: Cancer Prevention Through Personal Choice and Public Policy*. x + 388 pp., tables, app., index. New York: Facts on File, 1995. \$35.

Sturdy, David J. *Science and Social Status: The Members of the Academie des Sciences 1666-1750*. xvi + 461 pp., illus., apps., bibl., index. New York: Boydell Press, 1995.

Sutton, Geoffrey V. *Science for a Polite Society:*

Isis Books Received

Gender, Culture, and the Demonstration of Enlightenment. xvi + 391 pp., illus., bibl., index. Boulder, Colo.: Westview Press, 1995. \$35.

Taton, Rene; Wilson, Curtis (Editors). Planetary Astronomy from the Renaissance to the Rise of Astrophysics. Part B: The Eighteenth and Nineteenth Centuries. (General History of Astronomy, Vol. 2.) xiv + 281 pp., illus., figs., tables, index. New York: Cambridge University Press, 1995. \$69.95.

Tedlock, Dennis; Mannheim, Bruce (Editors). The Dialogic Emergence of Culture. 302 pp., illus., bibl., index. Champaign: University of Illinois Press, 1995. \$44.95 (cloth); \$18.95 (paper).

Thackray, Arnold (Editor). Constructing Knowledge in the History of Science. (Osiris, Vol. 10.) viii + 253 pp., illus., bibl., index. Chicago: University of Chicago Press, 1995. \$39 (cloth); \$25 (paper).

Thuillier, Pierre. La Grande Implosion: Rapport sur l'effondrement de l'Occident, 1999-2002. 480 pp., bibl. Paris: Fayard, 1995. Fr 130 (paper).

Timmermans, Benoit. La resolution des problemes de Descartes a Kant: L'analyse a l'age de la revolution scientifique. (L'Interrogation philosophique.) x + 319 pp., figs., bibl., index. Paris: Presses Universitaires de France, 1995. Fr 198 (paper).

Todd, Dennis. Imagining Monsters: Miscreations of the Self in Eighteenth-Century England. xviii + 339 pp., frontis., illus., index. Chicago/London: University of Chicago Press, 1995. \$52, £41.50 (cloth); \$17.95, £14.25 (paper).

Todd, Jan. Colonial Technology: Science and the Transfer of Innovation to Australia. (Studies in Australian History, Vol. 19.) xii + 300 pp., illus., figs., tables, index. New York/Cambridge: Cambridge University Press, 1995. \$59.95 (cloth).

Toth, Imre. I paradossi di Zenone nel Parmenide di Platone. (Momenti e problemi della storia del pensiero, Vol. 7.) x + 106 pp., figs. Naples: Istituto Italiano per gli Studi Filosofici, 1994. L 24,000

Vines, Gail. Raging Hormones: Do They Rule Our Lives? viii + 184 pp., index. Berkeley/Los Angeles: University of California Press, 1994. \$25 (cloth); \$13 (paper).

Walling, Cheves. Fifty Years of Free Radicals. (Profiles, Pathways, and Dreams: Autobiographies of Eminent Chemists.) xxvi + 141 pp., illus.,

figs., bibl., index. Washington, DC: American Chemical Society, 1995. \$24.95.

Wehowsky, Stephan. Gespräche über Ethik. (Beck'sche Reihe, Vol. 1111.) 197 pp. Munich: C.H. Beck, 1995. DM 17.80, SFr 17.80, ÖS 139 (paper).

Weindling, Paul (Editor). International health organisations and movements, 1918-1939. (Cambridge History of Medicine.) xvi + 337 pp., illus., tables, index. Cambridge/New York: Cambridge University Press, 1995. \$69.95.

Weingart, Peter. Doppel-Leben: Ludwig Ferdinand Clauss: Zwischen Rassenforschung und Widerstand. 251 pp., illus. Frankfurt/New York: Campus Verlag, 1995. DM 39.80, SFr 39.80, ÖS 311.

Wertheim, Margaret. Pythagoras' Trousers: God, Physics, and the Gender Wars. viii + 279 pp., bibl., index. New York: Times Books, 1995. \$23.

White, James J. Catalogue of the Botanical Art Collection at the Hunt Institute. Part 6: Plant Portraits, Artists T-Z and Unknown. With Elizabeth R. Smith. [341] pp., frontis. Pittsburgh, Penn.: Hunt Institute for Botanical Documentation, 1995. \$24 (paper).

Wilkins, Thurman. John Muir: Apostle of Nature. (Oklahoman Western Biographies, Vol. 8.) xxviii + 302 pp., illus., index. Norman/London: University of Oklahoma Press, 1995. \$25.95

Williams, Jim C.; Goldenthal, Karen L.; Burns, Drusilla L.; Lewis, Benjamin P. (Editors). Combined Vaccines and Simultaneous Administration: Current Issues and Perspectives. (Annals of the New York Academy of Sciences, Vol. 754.) 404 pp. New York: New York Academy of Sciences, 1995. \$140.

Wilson, Adrian. The Making of Man-Midwifery: Childbirth in England, 1660-1770. xii + 239 pp., illus., tables, bibl., indexes. Cambridge, Mass.: Harvard University Press, 1995. \$35.

Wilson, Mary E.; Levins, Richard; Spielman, Andrew (Editors). Disease in Evolution: Global Changes and Emergence of Infectious Diseases. (Annals of the New York Academy of Sciences, Vol. 740.) 503 pp. New York: New York Academy of Sciences, 1994. \$145.

Yaroshinskaya, Alla. Chernobyl: The Forbidden Truth. Translated by Michele Kahn and Julia Sallabank. Introduction by David R. Marples. Foreword by John Gofman. xxii + 136 pp., illus.

Lincoln: University of Nebraska Press, 1995. \$25 (cloth); \$10 (paper).

Yavetz, Ido. From Obscurity to Enigma: The Work of Oliver Heaviside, 1872-1889. (Science Networks, Vol. 16.) 334 pp., figs., bibl., index. Basel/Boston: Birkhauser Verlag, 1995. \$89.

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Towards an International Bibliographical Database in the History of Science, Technology and Medicine

A workshop on bibliographical tools in the history of science, technology and medicine, sponsored by the Commission on Bibliography and Documentation of the Division of History of Science, IUHPS, was held at Liège, Belgium, on 25-26 September 1995. Hosted by Professor Robert Halleux, Head of the Centre d'Histoire des Sciences et des Techniques, Université de Liège, the meeting brought together the compilers of a number of the leading bibliographies covering aspects of current works in the history of science, technology and medicine that are published on a serial basis throughout the world, and a number of interested historians of science. At a meeting held in Trento, Italy, in 1992, a proposal was advanced to make the information contained in these bibliographies more widely available by developing a unified international bibliographical database in electronic form. The present meeting was intended to advance that project.

Some of the most important existing bibliographies are already available on-line, and the meeting saw impressive demonstrations of the History of Science and Technology (HST) file maintained by the Research Libraries Group (RLG) in the USA and made available through the Research Libraries Information Network (RLIN) subscription service, and of the on-line version of the Italian national bibliography of the history of science, Bibliografia Italiana de Storia della Scienza (BISS).

The meeting noted that several other bibliographies are produced regularly, some on a national basis (e.g. Australia, Belgium, Spain), others covering specific subject areas in the history of science.

There are also two major bibliographies reporting current work in the history of medicine, the *Bibliography of the History of Medicine* produced by the National Library of Medicine in the USA and *Current Work in the History of Medicine*, produced by the Wellcome Institute for the History of Medicine in the UK. The former of these has long been accessible electronically as part of the enormous medical database, MEDLINE, and it has recently been decided that in future it will only be accessible in that form. Two important listings have ceased: the bibliography of Russian work in the history of science and technology, published for many years by the Institute for the History of Science and Technology in Moscow, and the very valuable bibliography of the history of natural history produced for a number of years by the Natural History Museum in London.

The meeting was told that the future of the history of science segment of FRANCIS was far from secure, and it was agreed that the Commission on Bibliography and Documentation should make representations to the relevant French authorities, urging upon them the importance of maintaining the systematic bibliographical coverage of francophone work in this field. It was noted that at present no bibliographies are being regularly produced covering work done by several regional groups of historians of science and technology, especially in India, Latin America, and the Muslim world.

Details of database proposals may be obtained from R.W. Home, President, Commission on Bibliography and Documentation, Dept. of History and Philosophy of Science, Univ. of Melbourne, Parkville, Victoria 3052 Australia.

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