

## NEWSLETTER



VOLUME 23 NUMBER 3  
JULY 1994

# HISTORY OF SCIENCE SOCIETY

## WELCOME TO NEW ORLEANS

The 1994 Annual Meeting of the History of Science Society will be held in New Orleans, Louisiana on 13-16 October. Get your reservations early as this promises to be one of our most popular and exciting meetings ever. Our meeting will be held in conjunction with the annual meetings of the Philosophy of Science Association (PSA) and the Society for Social Studies of Science (4S) at the Clarion Hotel, which is located at 1500 Canal Street, near the French Quarter. Our Program Chairs, Clark Elliott and Richard Kremer, have produced an exciting and full program, which includes a record-breaking 79 sessions! Be sure to examine the preliminary program for HSS, located inside this Newsletter.

New Orleans was founded in 1718 by Jean Baptiste Le Moyne, Sieur de Bienville, and named in honor of the Duke of Orléans, regent of France. In 1722 the capital of the vast French colony of Louisiana was transferred from Biloxi to the still tiny village of New Orleans, and the difficult task of draining the swampy land and holding back the Mississippi and Lake Pontchartrain was begun. The settlement grew slowly during the first half of the eighteenth century, but by 1763 the city had begun to prosper as a port. Under the governorship (1743-1753) of the Marquis de Vaudouin, the lonely French settlers attempted to bring some of the glamour of the court at Versailles to the desolate wilderness, and the taste of galery that to this day characterizes New Orleans was set.

In the Treaty of Paris of 1763, New Orleans and that part of the Louisiana west of the Mississippi River was ceded by France to Spain. But the colonists refused to abide by the treaty and, for almost two years (from 1768 until 1769), Louisiana was virtually self-governing. When the Spanish finally took possession, severe restrictions on trade with other nations were imposed, and consequently a thriving smuggling business began.

*(continued on page 16)*



*New Orleans Skyline  
(Photograph courtesy of Bryce Lenhard)*

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The History of Science Society Newsletter is published in January, April, July, and October. Issues are sent to all individual members of the Society; those who reside outside of North America pay an additional \$5 yearly to cover a portion of first-class airmail charges. The Newsletter is available to nonmembers and institutions for \$21 a year.

The Newsletter is edited and designed/published at the Office of the Executive Secretary by Production Manager Amy Lantier on an Apple Macintosh-based system using Microsoft Word and Aldus PageMaker.

Send issues for the Newsletter (preferably on disk, in MS-DOS or Macintosh format) to the Office of the Executive Secretary, History of Science Society, OS-01 University of Washington, Seattle, WA 98195-0001 USA, telephone (206) 543-5566, fax (206) 543-5144, e-mail (via Internet) [os01@u.washington.edu](mailto:os01@u.washington.edu).

The deadline for receipt of items to the front of the month prior to publication. Long articles and announcements should be submitted at least two weeks before the first of the month on disk, accompanied by a hard copy of the document.

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Paul Farber



Paula Findlen



Richard Kremer



Rachel Laudan

## THE 1994 HSS ELECTION CANDIDATES' BIOGRAPHIES

### FOR COUNCIL

#### PAUL FARBER

Distinguished Professor of History of Science and Chair, Department of History, Oregon State University, Corvallis, Oregon. Ph.D., Indiana University, 1976. HSS Activities: Committee on Undergraduate Education, 1976-1978; Council Member, 1978-1981; Committee on Meetings and Programs, 1986-1989; Program Co-Chair, HSS 1993 Annual Meeting, Chair, Committee on Independent Scholars, 1993-1995; Committee on Research and the Profession, 1993-1995. Selected Publications: *The Emergence of Ornithology as a Scientific Discipline: 1760-1850* (Dordrecht, D. Reidel, 1982); *The Temptations of Evolutionary Ethics* (Berkeley, University of California Press, forthcoming in Fall, 1994); co-edited with Margaret Oslar, *Religion, Science, and Worldviews: Essays in Honor of Richard Westfall* (Cambridge, Cambridge University Press, 1985); "The Laws of Nature and the Laws of Life (1780-1900)," in P. Corsi and C. Pogliano, eds., *Storia Della Scienza, volume IV, Science of Nature of Man* (Milan, Electa, forthcoming); "Collections, Collections, and Systematics: The Paris Connection," in Roger Chartier, ed., *Le Muséum au premier siècle de son histoire* (Paris, Editions de l'École Pratique des Hautes Etudes en Sciences Sociales, forthcoming); "The Siren of Evolutionary Ethics: Darwin to Wilson," in Bo Gosselink, Roy Porter and Mikuláš Teich, eds., *Nature and Society in the Development of Knowledge: A Quest for Missing Links* (Cambridge, Cambridge University Press, forthcoming).

#### PAULA FINDLEN

Associate Professor, Department of History and Program in the History and Philosophy of Science, University of California, Davis. Ph.D., University of California, Berkeley, 1985. HSS Activities: Participant, HSS Annual Meetings (session organizer, 1989, 1992); contributor to HSS syllabus project. Selected Publications: *Pursuing Nature: Museums, Collecting and Scientific Culture in Early Modern Italy* (Berkeley and Los Angeles: University of California Press, 1994); "Science as a Career in Enlightenment Italy: The Strategies of Laura Bassi (1711-1778)" in *Jis* 83 (1993): 441-469; "Controlling the Experiment: Rhetoric, Court Patronage

and the Experimental Method of Francesco Redi," in *History of Science* 31 (1993): 35-64; "The Economy of Scientific Exchange in Early Modern Italy," in *Patronage and Institutions*, ed. Bruce Moran (Woodbridge, Eng.: Boydell, 1991), pp. 5-24; "Jokes of Nature and Jokes of Knowledge: The Playfulness of Scientific Discourse in Early Modern Europe," in *Renaissance Quarterly* 43 (1990): 292-331.

#### RICHARD KREMER

Associate Professor, Department of History, Dartmouth College, Hanover, New Hampshire. Ph.D., Harvard University, 1984. HSS Activities: North American Committee for Distinguished Visiting Historians of Science Program, 1989-1993; Committee on the Electronic World, 1994-Present; Program Co-Chair, New Orleans Meeting Program, 1994. Selected Publications: "Innovation through synthesis: Helmholtz and color research," in D. Calvin, ed., *Hermann von Helmholtz and the Foundations of Nineteenth-Century Science* (Berkeley: University of California Press, 1993), pp. 205-58; "Kosmosmos" (with G. van Heeren), in M. Hagner and B. Wahrig-Scheidt, eds., *Johannes Müller und die Philosophie* (Berlin: Akademie Verlag, 1992), pp. 293-99; "From psychophysics to phenomenalism: Mach and Hering on color vision," in M. J. Nye, J. Richards and R. Stauffer, eds., *The Invention of Physical Science* (Dordrecht: Kluwer, 1992), pp. 147-73; "Building institutes for physiology in Prussia, 1836-1846: Contexts, interests and rhetoric," in A. Cunningham and P. Williams, eds., *The Laboratory Revolution in Medicine* (Cambridge: University Press, 1992), pp. 72-109; *Letters of Hermann von Helmholtz to his Wife, 1847-1859* (Stuttgart: Sauer Verlag, 1990).

#### RACHEL LAUDAN

Professor, Department of General Science, University of Hawaii. Ph.D., University of London, 1972. HSS Activities: Nominating Committee, 1980-1981; Council Member, 1983-1986; Committee on Research and the Profession, 1984-1986; *Jis* Advisory Editorial Board 1985-91; Pfizer Prize Committee, 1991-1993. Selected Publications: *From Mineralogy to Geology: The Foundations of a Science* (Chicago: University of Chicago Press, 1987); "Cuvier and the Oriental Origins of Science," *Nineteenth-Century French Studies*, 17 (1988), 19-29; Edited (with A. Donovan and L.



Sara Joan Miles



Albert E. Moyer



Margaret J. Osler



Karen Hunger Parshall

Laudan), *Stratifying Science: Empirical Studies of Scientific Change* (Dordrecht, Holland: Reidel, 1988); "Geology, 1790-1840," in G. N. Cantor, et al., eds., *Companion to the History of Modern Science* (London: Routledge, 1990), 314-325; "Histories of science and their uses: a review to 1913," *History of Science* 31 (1993): 1-34.

## SARA JOAN MILES

Associate Professor of History and Biology, Wheaton College, Wheaton, IL. Ph.D., University of Chicago, 1988. HSS Activities: HSS Employment Survey Committee, 1984-1987; Co-Chair, Women's Committee, 1989-1991; Watson Davis Prize Committee, 1991-1993, Chair, 1993; Dibner Visiting Historians of Science Committee, 1991-1994; Lecturer for the Dibner Visiting Historians of Science Program, 1994-1995. Selected Publications: "From Being to Becoming: Science and Theology in the Eighteenth Century," *Perspectives on Science and Christian Faith* 43 (1991): 215-223; "Clémentine Royer et l'Origine des Epines: traduction ou traitement," *Revue de Synthèse* (janvier-mars, 1989): 61-83; "Conflict, Compartmentalization, and Complementarity: Three Models for Understanding the Relationship between Science and Religion," *Proceedings on the Religion/Science Controversy: The Use and Abuse of Science in the Defense of Religion* (Purdue University, 1986).

## ALBERT E. MOYER

Professor, Department of History, Virginia Polytechnic Institute and State University. Ph.D., University of Wisconsin, 1977. HSS Activities: Chair, Committee on Honors and Prizes, 1987-1990; North American Committee for Visiting Historians of Science Program, 1987-1990, Chair, Forum for the History of Science in America, 1987-1988; Lifetime Sustaining Member, 1987-; Program Co-Chair, Madison Meeting Program, 1991; Committee on Meetings and Programs, 1990-1992, Chair, 1994-1997. Selected Publications: *A Scientist's Voice in American Culture: Simon Newcomb and the Rhetoric of Scientific Method* (California, 1992); "P.W. Bridgman's Operational Perspective of Physics," *Studies in History and Philosophy of Science*, Part I, 22 (June 1991): 237-258, Part II, 22 (September 1991): 373-397; "Michelson in 1887," *Physics Today* 40 (May 1987): 50-56; "History of Physics," *Osiris*, 2nd Series 1 (1985): 163-182; *American Physics in Transition: A History of Conceptual Change in the Late Nineteenth Century* (Toronto, 1983).

## MARGARET J. OSLER

Associate Professor of History, University of Calgary. Ph.D., Indiana University, 1968. HSS Activities: Schuman Prize Committee, 1977; Member of Council, 1978-1981; Committee on Meetings and Programs, 1986-1988, 1992-1995; Nominating Committee, 1991-1992; Selection Committee for Executive Secretary, 1992; North American Committee for the Dibner Visiting Historians of Science Program, 1991-1996, Chair, 1994-1995; Program Co-Chair, Santa Fe Meeting Program, 1993. Selected Publications: *Divine Will and the Mechanical Philosophy: Gassendi and Descartes on Contingency and Necessity in the Created World* (Cambridge: Cambridge University Press, 1994); "Atomism, Modernity, and the History of Philosophy: Gassendi's Epicurean Project," in *The Rise of Modern Philosophy: The Tension Between the New and Traditional Philosophies from Machiavelli to Leibniz*, edited by Tom Sorell (Oxford: Oxford University Press, 1993), pp. 129-143; "The Intellectual Origins of Robert Boyle's Philosophy of Nature: Gassendi's Voluntarism and Boyle's Physico-Theological Project," in *Philosophy, Science, and Religion, 1640-1700*, edited by Richard Ashcraft, Richard Kroll, and Peter Zagorin (Cambridge: Cambridge University Press, 1992), pp. 178-198; "Fortune, Fate, and Divination: Gassendi's Voluntarist Theology and the Baptism of Epicureanism," in *Atom, Pneuma, and Tranquillity: Epicurean and Stoic Themes in European Thought*, edited by Margaret J. Osler (Cambridge: Cambridge University Press, 1991), pp. 155-174; "Baptizing Epicurean Atomism: Pierre Gassendi on the Immortality of the Soul," in *Religion, Science, and Worldviews: Essays in Honor of Richard S. Westfall*, edited by Margaret J. Osler and Paul Lawrence Farber (Cambridge: Cambridge University Press, 1985), pp. 163-184.

## KAREN HUNGER PARSHALL

Associate Professor of History and Mathematics, Departments of History and Mathematics, University of Virginia, Charlottesville. Ph.D., University of Chicago, 1982. HSS Activities: Schuman Prize Committee, 1989-1991, Chair, 1991. Selected Publications: (with David E. Rowe), *The Emergence of the American Mathematical Research Community, 1876-1900*, (Princeton and London: American Mathematical Society and London Mathematical Society, 1994); "Joseph H. M. Wedderburn and the Structure Theory of Algebras," *Archive for History of Exact Sciences* 32 (1985): 223-349; "America's First School of Mathematical Research: James Joseph



Kenneth Taylor



Arleen Tuchman



Garland E. Allen



Rima D. Apple

Sylvestre at the Johns Hopkins University, 1876-1883." *Archives for the History of Exact Sciences* 38 (1988): 153-196; "The Art of Algebra from Al-Khwarizmi to Viete: A Study in the Natural Selection of Ideas," *History of Science* 26 (1988): 129-164; and "Varieties As Inaugural Species: Darwin's Numerical Analysis," *Journal of the History of Biology* 15 (Summer 1982): 191-214.

## KENNETH TAYLOR

Professor, Department of the History of Science, University of Oklahoma, Norman. Ph.D., Harvard University, 1968. HSS Activities: Schurman Prize Committee, 1976; Pfizer Award Committee, 1979; Council Member, 1979-1981; Lecturer, HSS Visiting Historians of Science Program, 1990-1991. Selected Publications: "American Geological Investigations and the French, 1750-1850," *Earth Science History*, 9 (1990), 118-125; "The Epochs of the Nature and Geology during Buffon's Later Years," in *Buffon 88: Actes du Colloque international pour le bicentenaire de la mort de Buffon*, ed. by Jean Gayon (Paris: Vrin, 1992): 371-385; "The Historical Rehabilitation of Theories of the Earth," *The Compass*, 69 (1992), 334-345; "New Light on Geological Mapping in Auvergne during the Eighteenth Century: The Ponsot-Dismarest Collaboration," *Revue d'histoire des Sciences*, 47 (1994) (forthcoming).

## ARLEEN TUCHMAN

Associate Professor, Departments of History, Vanderbilt University. Ph.D., University of Wisconsin-Madison, 1985. HSS Activities: North American Committee for Dübner Visiting Historians of Science Program, 1988-1993. Selected Publications: *Science, Medicine, and the State in Germany: The Case of Baden, 1815-1871* (Oxford and New York: Oxford University Press, 1995); "Helmholtz and the German Medical Community," in *Hermann von Helmholtz and the Foundations of Nineteenth-Century Science*, ed. David Calian (Berkeley and Los Angeles: University of California Press, 1993), pp. 17-43; "From the Lecture to the Laboratory: The Institutionalization of Scientific Medicine at the University of Heidelberg," in *The Investigative Enterprise*, eds. Frederic L. Holmes, William Coleman (Berkeley and Los Angeles: University of California Press, 1988), pp. 65-98; "Experimental Physiology, Medical Reform and the Politics of Education at the University of Heidelberg: A Case Study," in *Bulletin of the History of Medicine*, 61 (1987) 205-215.

## FOR NOMINATING COMMITTEE FROM COUNCIL

### GARLAND E. ALLEN

Professor, Department of Biology, Washington University, St. Louis. Ph.D., Harvard University, 1966. HSS Activities: HSS Council, 1994-1996; Pfizer Prize Committee, 1977-1980, Chair, 1994; Chair, Schurman Prize Committee, 1977-1980; Lecturer, Dübner Visiting Historians of Science Program, 1986-1988. Selected Publications: "Chevaux de course et chevaux de trait: Métaphores et analogies agricoles dans l'eugénisme américain, 1910-1940," in *Historie de la Génétique: Pratiques, Techniques, et Théories*, Jean-Louis Fischer and William Schneider, eds (Paris: Centre national des lettres and Palais de la Découverte, Gauthier-Hierro, S.A., 1991): 83-98; "Mechanistic and dialectical materialism in 20th century evolutionary theory: The work of Ivan I. Schmalhausen," in Leonard Warren and Hilary Koptowski, eds., *New Perspectives on Evolution* (New York, Wiley-Liss, 1991): 15-36; "Old wine in new bottles: from eugenics to population control in the work of Raymond Pearl," in Keith R. Benson, Jane Maimonstein, and Ronald Rainger, eds., *The Expansion of American Biology* (New Brunswick, NJ, Rutgers University Press, 1991): 231-261; "Essay Review: History of agriculture and the study of heredity: A new horizon," *Journal of the History of Biology* 24 (No. 3, Fall, 1991): 529-536; "Evolution and History: History as science and science as history," in Matthew H. Nitecki and Doris V. Nitecki (eds), *History and Evolution* (Albany, State University of New York Press, 1992): 211-239 [Field Museum Spring Systematics Symposium]; "Julian Huxley and the eugenic view of human evolution," in Kenneth C. Waters and Albert van Helden, eds., *Julian Huxley: Biologist and Statesman of Science* (Houston, Rice University Press, 1992): 193-222.

### RIMA D. APPLE

Associate Professor, Department of Consumer Science and Women's Studies Program, University of Wisconsin-Madison. Ph.D., University of Wisconsin, 1981. HSS Activities: Co-Chair, Women's Committee, 1987-1989; Women's History Prize Committee, 1990-1992 (Chair, 1992); HSS Council, 1994- . . . Forum for the History of Science in America, Coordinating Committee, 1989-1992, Chair, 1992-1993; *Annals* Editor,



Mary Jo Nye



Helena Pycior



Marc Rothenberg



Seymour H. Mauskopf

1983-1990, Associate Editor, 1990-1992. Selected Publications: "Science gendered: Nutrition in the United States, 1840-1940," in Hanneke Kærving and Andrew Cunningham, eds., *The Science and Culture of Nutrition* (Amsterdam: Rodopi for the Wellcome Institute Series in the History of Medicine, forthcoming); Associate Editor, *The History of Women and Science, Health, and Technology: A Bibliographic Guide to the Professions and the Disciplines*, 2nd edition, Phyllis Holman Weisbord, ed. (Madison: University of Wisconsin System Women's Studies Librarian's Office, 1993); "Screening science," a special section on film and the history of science, *Jis*, 84: (1993), 84: 750-774, editor; *Women, Health and Medicine in America: A Historical Handbook* (New York: Garland Publishing, 1990; New Brunswick: Rutgers University Press, 1992), editor; *Mothers and Medicine: A Social History of Infant Feeding, 1890-1950* (Madison: University of Wisconsin Press, 1987).

## MARY JO NYE

Honing Professor of the Humanities and Professor of History, Department of History, Oregon State University. Ph.D., University of Wisconsin, 1970. HSS Activities: Lecturer, Distinguished Visiting Historian of Science Program, 1991-1993. Chair, Nominating Committee, 1992; HSS President, 1988-1989; Council Member for Life since 1990. Selected Publications: *From Chemical Philosophy to Theoretical Chemistry: Dynamics of Matter and Dynamics of Disciplines, 1800-1950* (Berkeley: University of California Press, 1993); *The Invention of Physical Science: Innovations of Mathematics, Theology and Natural Philosophy Since the Seventeenth Century. Essays in Honor of Erwin N. Hiebert*, ed. with Joan Richards and Roger Staewer (Dordrecht: Kluwer Academic Publishers, 1992); *Boston Studies in the Philosophy of Science*, Vol. 139; "National Styles: Research Schools in French and English Chemistry, 1880-1930," *Osiris* (2), 87 (1993), 30-49.

## HELENA PYCIOR

Associate Professor, Department of History, University of Wisconsin-Milwaukee. Ph.D., Cornell University, 1976. HSS Activities: *Jis* Advisory Editor, 1985-1990; Co-Chair, Committee on Women, 1982-1984; Member, Committee on Research and the Profession, 1982-1984; Chair, History of Women in Science Prize Committee, 1987; HSS Council, 1994-1996; Member, Committee on Education, 1994-1996. Selected Publications: "Mathemat-

ics and Philosophy: Wallis, Hobbes, Barrow, and Berkeley," *Journal of the History of Ideas* 48 (1987): 265-286; "Marie Curie's 'Anti-natural Path': Time Only for Science and Family," in *Unway Careers and Intimate Lives: Women in Science, 1789-1979*, ed. Prina G. Abir-Am and Dorinda Outram (New Brunswick, NJ: Rutgers University Press, 1987), pp. 191-214; "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 "Mathematica and Prose Literature," in *Companion Encyclopedia of the History and Philosophy of the Mathematical Sciences*, ed. Ivor Grattan-Guinness, 2 vols. (London: Routledge, 1994), 1, 794-805; 2, 1633-1643. *Creative Couples in Science*, ed. Helena M. Pycior, Nancy G. Slack, and Prina G. Abir-Am (Rutgers University Press, forthcoming).

## MARC ROTHENBERG

Editor, Joseph Henry Papers, Smithsonian Institution. Ph.D., Bryn Mawr College, 1974. HSS Activities: Council, 1994-1996; Committee on Finances, 1994-1995; Co-Chair, Local Arrangements Committee, 1992; Schuman Prize Committee, 1991-1993; Chair 1993; Committee on Employment Problems and Opportunities, 1976-1977. Selected Publications: ed., *The History of Science and Technology in the United States: A Critical and Selective Bibliography. Volume II* (New York, 1993); ed., *The Papers of Joseph Henry*, vol. 6 (Washington, DC, 1992); "Patronage of Harvard College Observatory, 1839-1851," *Journal for the History of Astronomy*, 1990, 21: 37-46; ed. (with Nathan Reingold), *Scientific Colonialism: A Cross-Cultural Comparison* (Washington, DC, 1987); "History of Astronomy," *Osiris*, 1985, 2nd ser., 1: 117-131.

## SEYMOUR H. MAUSKOPF

Professor, Department of History, Duke University. Ph.D., Princeton University, 1966. HSS Activities: Treasurer and Member of Executive Committee, 1980-1984; Pfizer Prize Committee, 1989-1991; Chair, 1990-1991; Council, 1992-1995. Selected Publications: "Molecular Geometry in Nineteenth-Century French Science: The Persistence of a Tradition," in *Scrutinizing Science: Empirical Studies of Scientific Change*, ed. A. Donovan et al. (Kluwer, 1988); "The History of the American Society for Psychological Research: An Interpretation" in *Journal of the American Society for Psychological Research* 83 (1989): 7-29; "Marginal



Leslie Burlingame



Robert DeKosky



Nancy Siraishi



Liba Taub

Science," in *Companion to the History of Modern Science*, ed. R. C. Olby et al., (Routledge, 1990); "Chemistry and Cannon: J.-L. Proust and Gunpowder Analysis," *Technology and Culture* 31 (1991): 398-426; *Chemical Science in the Modern World*, ed., (University of Pennsylvania, 1994).

## FOR NOMINATING COMMITTEE AT LARGE

### LESLIE BURLINGAME

Associate Professor, Science, Technology, and Society Program, Franklin and Marshall College. Ph.D., Cornell University, 1973. HSS Activities: Co-Chair, Committee on Women, 1991-1992; Committee on Research and the Profession, 1991-1992; Organizer of Workshop on Teaching Gender and Science for Committee on Women and Committee on Education for HSS Annual Meeting, 1990. Selected Publications: "Lamarck," *Dictionary of Scientific Biography*, edited by Charles C. Gillispie, et al., New York: Charles Scribner's Sons, vol. 7 (1973), 584-594; "The Importance of Lamarck's Chemistry for his Theory of Nature and Evolution or Transformation," in *Actes du XIIIe Congrès international d'histoire des sciences*, section IXA (1974), 92-97; "The History of Women in Medicine," *The Maryland Historian*, IX (1978) 51-62; "Lamarck's Chemistry: The Chemical Revolution Rejected," in *The Analytic Spirit*, ed. by Harry Woolf, Ithaca: Cornell University Press, 1981, pp. 64-81; several recent book reviews in *Jis* and (revising for publication) "The Organization for Tropical Studies Broadens its Mission in Costa Rica: The Development of OTS Involvement in Conservation and Applied Biology," presented at HSS 1993 Annual Meeting.

### ROBERT DEKOSKY

Associate Professor, Department of History, University of Kansas. Ph.D., University of Wisconsin, 1972. HSS Activities: Committee on Education, 1990-1995, Chair, 1993-1995. Selected Publications: Section Editor, "History of Science, Technology, and Medicine," *American Historical Association Guide to Historical Literature* (New York, Oxford University Press, 1995); "Ernest Rutherford," *Research Guide to European Historical*

*Biography* (Washington, DC, Beacham Publishing Co., 1993), pp. 4470-4481; "The Origins of Experimental Science," *Pragmatik*, Vol 1, H. Stachowiak, ed. (Hamburg, Felix Meiner Verlag, 1986), 358-373; "William Crookes and the Quest for Absolute Vacuum in the 1870s," *British Journal for the History of Science*, 40 (1983), 1-18. *Knowledge and Cosmos: Development and Decline of the Medieval Perspective* (Washington, DC, University Press of America, 1979).

### NANCY SIRAI

Distinguished Professor, Department of History, Hunter College and the Graduate School, City University of New York. Ph.D., City University of New York, 1970. HSS Activities: Council member, 1986-1988; Committee on Honors and Prizes, 1985-1987; *Jis*, editorial board, 1990-1992; *Osis*, guest editor with Michael R. McVaugh of *Osis*, n. s. vol. 6 (1990). Selected Publications: *Taddeo Aldrovandi and His Pupils: Two Generations of Italian Medical Learning* (Princeton, 1981); *Arcenna in Renaissance Italy* (Princeton, 1987); *Medieval and Early Renaissance Medicine: An Introduction to Knowledge and Practice* (Chicago, 1990); "Giovanni Cardano and the Art of Medical Narrative," *Journal of the History of Ideas* 52 (1991), 581-602; "Life Sciences and medicine in the Renaissance World," in *Rome Reborn: The Vatican Library and Renaissance Culture*, ed. Anthony Grafton (Washington, DC, 1993), pp. 169-97.

### LIBA TAUB

Curator and Head of the History of Astronomy Department, The Adler Planetarium. Ph.D., University of Oklahoma, 1987. HSS Activities: Co-Organizer, Early Science Interest Group, 1990-Present. Selected Publications: *Ptolemy's Universe: The Natural Philosophical and Ethical Foundations of Ptolemy's Astronomy* (Chicago: Open Court, 1993); "Evolutionary Ideas and 'Empirical' Methods: The Analogy between Language and Species in works by Lyell and Schöblicher," *British Journal for the History of Science* 26 (June 1993): 171-193; "The Historical Function of the *Forma Urbis Romae*," *Imago Mundi* 45 (1993): 9-19.

## HISTORY OF SCIENCE SOCIETY ELECTION BALLOT

All ballots must be returned to the HSS Executive Office in the enclosed official envelope and must be postmarked by 31 August 1994. Photocopied ballots will be accepted, but only if submitted in official envelopes.

### Candidates for Council:

Three-year term, 1 January 1995 - 31 December 1997. Please vote for 5 of the 10 candidates:

- Paul Farber  
 Paula Findien  
 Richard Kremer  
 Rachel Laudan  
 Sara Joan Miles  
 Albert E. Meyer  
 Margaret J. Osler  
 Karen Hunger Parshall  
 Kenneth Taylor  
 Arleen Tuchman

### Candidates for Nominating Committee:

One year term, 1 January 1995 - 31 December 1995. Representatives from HSS Council. Please vote for 3 of the 6 candidates:

- Garland E. Allen  
 Rima D. Apple  
 Mary Jo Nye  
 Helena Pycior  
 Marc Rothenberg  
 Seymour H. Maszkopf

### Candidates for Nominating Committee at Large:

Please vote for 2 of the 4 candidates:

- Leslie Burfingore  
 Robert DeKosky  
 Nancy Sinisi  
 Liba Taulb

## NEWS OF THE SOCIETY

### Betty Jo Teeter Dobbs

(19 October 1930 - 29 March 1994):

A Tribune

by Margaret J. Osler

The University of Calgary

Jo Dobbs died unexpectedly of a heart attack while on a trip to the Grand Canyon — a place she loved. She was a good friend, mentor, and colleague of many members of the History of Science Society. Her scholarship continues to have a profound impact on the field.

Jo often spoke of her life as one of many incarnations. She was the daughter of a Methodist minister and grew up in the small towns of rural Arkansas. She received her B.A. in Chemistry from Hendrix College in Conway, Arkansas in 1951 and her M.A. in psychology from the University of Arkansas in 1953. During her years as wife and mother of four children, she was employed in an astonishing variety of jobs and undertook studies in both chemistry and history at the various

universities at which she found herself. Her first contact with the history of science occurred at the University of Arkansas in the spring of 1955 when she took a course "out of curiosity, while waiting for her husband to finish law school" with Robert Siegfried, who was then teaching history of chemistry in the Chemistry Department. Her experience in that course led to a continuing friendship with Siegfried who arranged for her to be his project assistant at the University of Illinois for the summer of 1961, an association that resulted in the issue of their joint paper in *Annals of Science* "Composition, a Neglected Aspect of the Chemical Revolution." From 1969-1974, she pursued graduate studies in History at the University of North Carolina, completing her dissertation on Newton's alchemy under the direction of Michael McVaugh, along with his classmate from Princeton, Seymour Maszkopf at Duke.

After completing her doctorate in 1974, she spent a year at Cambridge on a NATO

postdoctoral fellowship. Her studies and child-rearing required constant juggling. She often spoke about spending a year in Cambridge to study the Newton manuscripts with four children in tow. At times, Newton's alchemy and handwriting were less challenging than getting her kids established in English Schools.

She taught in the History Department at Northwestern University from 1975 until 1991 when she moved to the History and Philosophy of Science Program at the University of California, Davis.

Although she did not start her career until she was in her mid-forties, she made an enormous impact on the field. Her first book *The Foundations of Newton's Alchemy or 'The Hunting of the Green Lyon'* (Cambridge University Press, 1975) was the first scholarly treatment of this perplexing subject. She accomplished what no other scholar had done to date, take seriously and decipher Newton's alchemical work. After an impressive series of papers and lectures, she published a second

book, *The Janus Faces of Genius: The Role of Alchemy in Newton's Thought* (Cambridge University Press, forthcoming) which succeeded in making sense of Newton's diverse preoccupations in physics, alchemy, and theology, explaining how these different strands could be the product of a single mind. Her work contributes a central piece to the present revision of our understanding of the scientific revolution. She spelled out some of the implications of this work last November in Santa Fe in her History of Science Society Distinguished Lecture, "Newton as Final Cause and First Mover."

At the time of her death, she had just completed a book co-authored with Margaret C. Jacob, *Newton and Newtonianism* (Humanities Press, forthcoming). She was undertaking new scholarship on representations of the cosmos and cosmologies. The world will be a poorer place for not knowing the fruits of her ongoing scholarship.

Jo was a devoted friend and colleague. Her generous spirit nurtured students and friends alike. She had a great sense of fun and adventure. Her companionship—both scholarly and personal will be sorely missed.

Survivors include her four children—Kate Rose Dobbs Ariail, of Durham North Carolina, Gladys Rebecca Dobbs, of Durham, North Carolina, Jean Frances Dobbs of Malibu, California, and George Byron Dobbs II of Hartford, Connecticut; her two grandchildren, Timothy Spenser Dobbs and Hannah Elizabeth Yaschin Dobbs, of Enfield, Connecticut; and her sister, Margaret Bishop, of San Antonio, Texas. She is also survived by her companion of many years, Karen Halmanen of Kensington, California.

Two funds have been established to perpetuate her memory. Donations may be made to the Betty Jo Dobbs Memorial Fund (University of California Regents) of a Department of History, University of

California—Davis, Davis, California 95616 or to the Betty Jo Tester Dobbs Scholarship fund for female scholars in the History of Science, P.O. Box 1271, Durham, North Carolina 27702.

## HSS Publications

The History of Science Society, through several of its committees, has produced several publications that may be of interest to our members. The Executive Office of the Society has copies of these publications and will send them to HSS members. If interested, please return the order form below to the HSS Executive Office, DR-05, University of Washington, Seattle, WA 98195, and enclose a check or money order, made payable to the History of Science Society.

*A Directory of Women in the History of Science, Technology, and Medicine*, edited by Lisa Rouser and Alice Stroup. (\$2.50 each.)

## ORDER FORM HISTORY OF SCIENCE SOCIETY PUBLICATIONS

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

*Isis* back issues are listed by number. Please circle numbers you wish to order. *Isis* back issues are \$1 each; \$50.00 per set (U.S./North America); \$75.00 per set (Overseas). One set of *Isis* back issues consists of each of the below numbers:

Please send me the following publications to the above address:

\_\_\_\_\_ copy(ies) of *History of Science: A Guide for Undergraduates* (1 copy free; U.S.: \$1.00 each for multiple copies; \$ 7.75 each for ten or more copies; Outside U.S.: \$1.50 each for multiple copies; \$ 7.75 each for ten or more copies)

\_\_\_\_\_ copy(ies) of *History of Science Syllabus Sampler* (U.S.: \$10.00 each; Other North American addresses: \$12.00 each; Overseas: \$15.00 each)

\_\_\_\_\_ copy(ies) of *Directory of Women Historians of Science, Technology, and Medicine* (U.S. and Outside U.S.: \$2.50 each)

138 (1953)	192 (1967)	227 (1974)	265
154 (1957)	194	232 (1975)	270 (1982)
158	196 (1968)	233	271 (1983)
165 (1980)	197	234	272
169 (1961)	198	235	273
170	199	239 (1976)	274
171 (1962)	204 (1969)	240	275
172	209 (1970)	242 (1977)	276 (1984)
173	214 (1971)	249	290
174	219 (1972)	255	303 (1989)
180	221 (1973)	258 (1980)	306 (1990)
181	222	262 (1981)	307
186 (1965)	223	263	<i>Osiris</i> (Volume 3)
190	225	264	

Please make checks payable to the History of Science Society. Send check or money order (in U.S. dollars) to HSS Executive Office, DR-05, University of Washington, Seattle, WA 98195. Phone (206) 543-9366 Fax (206) 685-9544

\_\_\_\_\_ number(s) of *Isis*  
\_\_\_\_\_ set(s) of *Isis*

TOTAL AMOUNT ENCLOSED: \$ \_\_\_\_\_

*History of Science: A Guide for Undergraduates*, by Michael Crowe. (Single copies are free; orders for multiple copies are \$1.00 per copy or 75 cents for each copy on orders of ten or more.)

*History of Science Syllabus Sampler*, collected and prepared by Henry Siffens. (\$10.00 each in U.S.; \$12.00 each in Canada, and \$15.00 for overseas orders.)

In addition to these materials, the HSS Executive Office has sets of *Isis* back issues available for donation without charge (except to cover shipping and handling) to libraries and other institutions in the U.S., Europe, Latin America, Asia, and Africa. Although necessarily incomplete, each set currently contains about 60 issues of *Isis*. Shipping to most parts of the U.S. (by fourth class) is \$50.00 and to most parts of the world (by "M Bag" surface mail) is available for \$75.00. HSS members who wish to complete their *Isis* holdings may request individual copies for \$1.00 each, provided that the requested volumes are still in stock.

## Adopt-A-Scholar Program

Beginning this year, the History of Science Society has implemented an "Adopt-a-Scholar" program (see application form below). The program works as follows: HSS members who wish to participate in the program will identify a colleague who cannot afford HSS membership because of hard currency problems; the HSS member will contribute \$35 (student rate plus shipping charges) for the membership; the HSS Executive Office will coordinate subscriptions and payment with the University of Chicago Press. The subscription may be renewed annually by an additional payment by the HSS member who has "adopted" the scholar. The HSS Executive Office will send out renewal notices to the original subscriber. For additional information about the program, please contact Keith R. Benson or Amy Lardner [(206) 543-9366; [krbenson@u.washington.edu](mailto:krbenson@u.washington.edu); [amyl@u.washington.edu](mailto:amyl@u.washington.edu)].

## Bridge to Asia Program

The History of Science Society, with the active cooperation of the American Council of Learned Societies, is participating in two donation projects: "Bridge to Asia," and "East and Central Europe Journal Project." With the help of the University of Chicago Press, we are donating thirty subscriptions to libraries in countries that are no longer able to afford the subscription rates. We are also asking our colleagues to donate books to the "Bridge to Asia" program.

If you are interested in participating in the "Bridge to Asia" program, you may contact the "Bridge to Asia" office [1214 Webster Street, Suite F, Oakland, CA 94612; (510) 834-0962].

To donate books to the project, please note the following directions:

1. Pack your donation in a carton or envelope -- any size will do.
2. Place a list of the contents on the outside, for Customs clearance.

### HSS ADOPT-A-SCHOLAR PROGRAM (1994)

YES, I would like to adopt a scholar.

SCHOLAR'S NAME & ADDRESS (please print):

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

HSS SUBSCRIBER'S NAME & ADDRESS:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

E-MAIL ADDRESS: \_\_\_\_\_

Please make your check or money order (in U.S. dollars) payable to the History of Science Society, and send to the HSS Executive Office, DR-05, University of Washington, Seattle, WA 98195.

If you have questions, please call the HSS Executive Office at (206) 543-9366.

Amount Enclosed  
 \$ \_\_\_\_\_  
 (\$35.00 annually for each scholar sponsored.)

3. Mail the books to the San Francisco warehouse: Bridge to Asia, Cargo Service-Pier 19, San Francisco, CA 94111.

4. Mail a copy of your list to the Oakland office: Bridge to Asia, 1214 Webster Street, Suite F, Oakland, CA 94612.

For HSS members who wish to donate funds, mail your contribution to the Oakland office (to the address above), payable to Bridge to Asia). The funds will be used to cover freight charges to Indochina and for salary support for the office staff in Indochina.

### Committee Reports

The HSS Committee on Education needs the help of the membership to achieve complete success in its current project "Using Images and Sounds to Teach the History of Science." In the first phase, a printed database of films, audio tapes, slide collections, traveling exhibits, etc. will be produced and printed for distribution. The database is to include both publicly accessible items and those restricted to circulation within an institution or in private hands. We expect to begin entry into an electronic database by mid-1995 and to produce the printed version of the database by early 1996. A resource book with essay evaluations and recommendations for use of publicly accessible audio-visual items will follow in the project's second phase.

The eight current members of the CoE are gathering information about audio-

visual resources at research universities with graduate programs, at other agencies listed in the *HSS Guide*, and at museums. We also are approaching federal government agencies and commercial film outlets. But we need the aid of HSS members to communicate to us the existence of films, audio tapes, slide collections, etc., at their own colleges/universities, government & professional organizations, and in private hands. You need not convey details about the holdings—just give us a general description and, if possible, the name of a person or organization at your institution who can provide us more specific written/printed details about the resources. Send the information to: Robert DeKosky, Department of History, University of Kansas, Lawrence, KS 66045.

### Newsletter Editorial Policies, Advertising, and Submissions

The HSS Newsletter is edited and desktop published at the HSS Executive Office on an Apple Macintosh-based system using Microsoft Word and Aldus Pagemaker and published quarterly. The format and editorial policies are determined by the Executive Secretary, in consultation with the HSS Executive Committee. Specific editorial decisions are made by the Executive Secretary in consultation with the HSS President.

All advertising copy must be submitted as camera-ready copy by the advertiser.

Advertisements are accepted on space-available terms only, and the Society reserves the right not to accept an advertising submission. The rates for advertising space in the *Newsletter* are as follows:

Full page \$350 (7" x 10")

Half page \$200 (5" x 7")

Quarter page \$100 (3 3/4" x 5")

The deadline for announcements as well as advertisement insertion orders is the first of the month prior to the month of publication and should be sent to the History of Science Society's Executive Office, University of Washington, DR-05, Seattle, WA 98195. Long items or articles should be submitted on a 3.5" disk (along with a hardcopy) at least two weeks prior to the first of the month; shorter items may be sent in printed form, or via e-mail to [avyl@u.washington.edu](mailto:avyl@u.washington.edu).

### Membership & Journal Inquiries

For problems concerning membership issues, address changes, subscriptions to *JSH*, *QSH*, or the *HSS Newsletter*, please contact Orlie Higgins, Subscription Fulfillment Manager, The University of Chicago Press, P.O. Box 37005, Chicago, IL 60637; Tel. (312) 753-4243. However, please continue to alert the HSS Executive Office about any of these issues as both HSS and the University of Chicago Press are anxious to remedy any outstanding problems.

*The History of Science Society would like to thank the following members who have adopted scholars as part of our "Adopt-A-Scholar" Program:*

*Michele L. Aldrich  
Lisa Joan Bromberg*

*Jeffrey Gorski  
E. S. Kennedy*

## NEWS OF THE PROFESSION

## Warren D. Mohr Donates Darwin Library to the Huntington

San Marina, CA — One of the most comprehensive private collections of the works of Charles Darwin had been given to The Huntington Library by a San Francisco book collector. Warren D. Mohr, a retired businessman and fourth generation San Franciscan, donated his over 1,000 editions of Darwin's writings and over 500 supporting volumes by Darwin's contemporaries and followers.

"This is one of the greatest collections of Darwin's works ever assembled," said Alan Jutsi chief curator of rare books at The Huntington. All of Darwin's writings are represented, including all the early editions and important translations of his seminal publication, *On the Origin of the Species*. Many of the works are extremely rare, such as an 1835 printing of excerpts from letters Darwin sent home during his expedition on the H.M.S. Beagle. An 1888 edition of *The Life and Letters of Charles Darwin* contains handwritten annotations by his son, Francis.

Darwin's theory of evolution by natural selection shook the religious and cultural



Charles Darwin, Nineteenth-Century Naturalist

foundations of Victorian England, and the reverberations continue to be felt today. Biographers Adrian Desmond and James Moore write in 1991 that Darwin "has transformed the way we see ourselves and our planet."

Warren Mohr's life-long ambition to collect all the published works of Charles Darwin began at the age of twelve, when he purchased a first edition of *On the Origin of the Species* for a few pounds in London. By the late 1980's, after decades of careful collecting, Mohr had assembled what some experts believe is the most comprehensive Darwin library ever amassed by a private collector.

Mohr's mother may have been part of the inspiration behind her son's interest in books. Lucile V. Mohr served on the Board of Commissioners of the San Francisco Public Library for twenty-six years, from the late 1940s to the early 1970s. An outspoken advocate who, according to her son, believed in "bringing libraries to the people, instead of the other way around," Lucile Mohr was instrumental in opening many of the branch libraries throughout the city. Her opinions — and



Huntington Library Rare Books Curator Alan Jutsi (left) and Director William McFinn (right) admire one of the books from the Charles Darwin collection, recently donated to the Huntington by Warren Mohr of San Francisco (center)

her enthusiasm — were shared with her family. "We went to library science for dinner," Warren Mohr recalls.

Mohr did most of his book collecting while traveling throughout the world on business. He owned and operated a San Francisco-based travel consulting firm — Warren D. Mohr Travel Consultant, Inc. — from which he retired in 1985.

Mohr's gift will form the focal point of The Huntington's holdings in the history of science, joining a large collection of important 19th-century works on botany, horticulture, geology, and chemistry. After cataloging is completed in the Darwin collection, it will be available to scholars for research.

Mohr's motivation for donating his Darwin library to The Huntington was two-fold. "First of all, I knew the books would be well taken care," he said. "And secondly, I didn't want to sell them. That would have meant breaking them up, and a collection like this could never be put back together again."

Selected works from the collection are expected to go public display in June.

## Help Preserve Darwin's Legacy

American Friends of Down House, affiliated with The British Natural History Museum, is soliciting funds to restore Charles Darwin's house where he wrote *On the Origin of the Species* and his other great works over a 40-year period until his death in 1882. Funds will be used to: redesign and expand the exhibits on Darwin's travels, scientific discoveries and theories of evolution; restore the historic rooms of Down House and develop the displays of Darwin memorabilia and important objects brought back from his voyages; prepare educational materials for students and other visitors; establish new areas for scientific meetings; restore Darwin's laboratory and greenhouse, and the gardens and grounds. For more information on how you can help contact: American Friends of Down House, 667 Madison Avenue, 20th floor, New York, NY 10021; telephone (212) 888-5959; fax (212) 888-4018.

## Oregon State University Names Nyes to Fill Endowed Humanities Chair(s)

Two prominent historians from Oklahoma have been named to fill a newly created endowed chair at Oregon State University in Corvallis, Oregon that is designed to link science with the humanities.

In an unusual move, the university agreed to use earnings from the endowment to fund a second chair. The dual chair were created after a recommendation from the search committee to OSU Provost Roy Arnold in an effort to attract two of the candidates, Mary Jo Nye and Robert A. Nye.

The Nyes, historians at the University of Oklahoma, will become the first holders of the Thomas Hart and Mary Jones Horning Chair in the Humanities. The chairholders are married and have one child.

"This may be unprecedented," said Paul

Ferber, search committee chair, "I've never heard of any institution that advertised for a chair, received an inquiry from a married couple, and agreed to create another chair. It shows Oregon State University's strong commitment to the concept of dual career couples."

Funding for the new chairs will be provided through the estate of the late Benjamin G. Horning, a prominent physician and medical educator who died in 1991 at the age of 101. An OSU alumnus, Dr. Horning left more than \$3 million to the OSU Foundation to establish a chair in memory of his deceased parents, Mary Jones and Thomas Hart Horning.

The two chairs will be housed in the Department of History, Ferber said, but the Nyes also will have close ties with OSU's College of Science.

Mary Jo Nye chairs the History of Science Department at Oklahoma, where she studies the social and cultural significance of science and scientific institutions. She is also former president of the History of Science Society. Nye is interested in the relationship between chemistry and physics and will work with the papers of double Nobel Prize laureate Linus Pauling, an OSU Alumnus. The papers are housed in the university's Kerr Library.

She is a graduate of Vanderbilt University in Tennessee and has earned a Ph.D. in the history of science from the University of Wisconsin-Madison. She has been at the University of Oklahoma since 1970.

Robert Nye specializes in European intellectual and cultural history, the history of social sciences, and the history of sexuality. He has written a book on masculinity and had conducted research in medical ethics and other related fields.

He is a graduate of San Jose State College and has a Ph.D. from the University of Wisconsin. He has been at the University of Oklahoma since 1969.

The Nyes both served as visiting professors at Harvard University in the spring of 1988.

Ferber, who chairs the OSU history department, said the Nyes will be full tenured professors in that department

beginning in August. They will teach a variety of classes to both undergraduate and graduate students.

As chair holders, the Nyes will organize symposia and create, direct and sponsor workshops relating to the ties between science and the humanities, Ferber said.

Benjamin Horning was internationally acclaimed for his work in fostering improved health care throughout Latin America. In his 14 years as medical director and Latin American director for the W.K. Kellogg Foundation, he pioneered the Foundation's approach to providing coordinated technical assistance to Latin American countries.

Horning earned his bachelor's and master's degrees at OSU, then joined the navy. He subsequently earned his M.D. degree from Harvard University and a master's in public health from the Johns Hopkins University. He also studied at the Sorbonne in France and at three universities in Spain.

He taught at the University of Oregon from 1920-1924 before completing his internship and residency at the University of Michigan. He later served as a resident at King County Hospital in Seattle; as an epidemiologist for the Connecticut State Department of health; chief health officer of the City of Hartford, Connecticut; and associate field director of the American Public Health Association, before joining the Kellogg Foundation.

After leaving Kellogg in 1956, he spent five years before retirement as a medical education consultant for the U.S. State Department.

Dr. Horning received many honors for his international work, including the Order of Merit, Ecuador; Order of Merit, Chile; and honorary degrees and awards from eight universities in Brazil, Paraguay, Guatemala and Colombia.

[Editor's Note: This article is the press release announcing the Nyes' appointment to Oregon State University. We chose to include it in its original form.]

## MISCELLANEOUS ANNOUNCEMENTS

### OAH Directory of Minority Historians

The *Organization of American Historians* is seeking entries for its new resource, the *OAH Directory of Minority Historians*. This publication will list scholars by name, fields of research and teaching, ethnicity, geographical location, and experience. Our intention is to create a resource for a variety of uses, particularly those that increase participation by minorities in the historical profession. Historians of a minority background wishing to be included in the directory may obtain a data form/questionnaire by contacting John Dichel by electronic mail: [jdichel@indiana.edu](mailto:jdichel@indiana.edu); by mail at OAH, Directory of Minority Historians, 112 North Bryan Street, Bloomington, IN 47408; or by telephone at (812) 855-1519.

### American Physical Society Journal Exchange Program

The American Physical Society's Forum on International Physics sponsoring a Journal Exchange Program. For a list of journals and information on participation in this program please contact: Professor Sergio E. Ulloa, Journal and Book Exchange, Forum on International Physics, Department of Physics and Astronomy, Ohio University, Athens, OH 45701-2979. Telephone (614) 593-1727, Fax (614) 593-0433, e-mail [ulloa@helios.phy.ohiou.edu](mailto:ulloa@helios.phy.ohiou.edu).

### Free Database Tutorial and Workshops

The History Computerization Project now offers free workshops and a printed tutorial on the use of computer database management for historical research, writing, and cataloging. Those unable to attend the workshops can still obtain the 80-page workshop tutorial by mail. The

workshops and tutorials give organizations and researchers a chance to see how easy it can be to build an historical database, at no cost or obligation. The project, sponsored by the Regional History Center of the University of Southern California and the Los Angeles City Historical Society, is building a Regional History Information Network through which researchers and repositories can exchange information. The Los Angeles Bibliography Project had created a database of source materials and a directory of historical repositories. Both projects employ the History Database Program, running on IBM PC compatible computers. The computer classroom includes 10 IBM PCs connected to a shared database. The course textbook, *Database Design: Applications of Library Cataloging Techniques*, by David L. Clark, is published by the TAB division of McGraw-Hill. For a current workshop schedule and a free copy of the tutorial contact: History Computerization Project, 24851 Pisma Road, Malibu, Ca 90265. Phone (818) 591-9571.

### Address Changes

**ACHTUNG!** The Deutsches Museum announces its new mailing address, effective 1 July 1994: Deutsches Museum, Bibliothek, D-80306 München, GERMANY.

The Center for History of Physics, American Institute of Physics, has moved from New York to: One Physics Ellipse, College Park, MD 20740.

### EASCI Computer Discussion Group

The Center for Computer Analysis of Texts at the University of Pennsylvania announces a new computer discussion group ("list"). EASCI is concerned with the history of science, technology, and medicine in East Asia, ancient and modern. It is set up in a form that allows

access by scholars and students on any network connected to the Internet. It may be used to post a question for colleagues to answer, propose a topic for discussion, reply to an earlier query, trade information about publications and other resources, and so on. Resources in the form of text or binary files are available for downloading via FTP, and subscribers may upload their own. The International Society for the History of East Asian Science, Technology and Medicine will use the list to announce meetings and other activities.

Anyone who subscribes is added to the distribution list, and receives by e-mail all messages that others address to the list. Every message is forwarded to every other subscriber. A subscription may be terminated at any time. There is no charge for any Group activity.

For information on subscribing, send the following message to [LISTSRV@CCAT.SAS.UPENN.EDU](mailto:LISTSRV@CCAT.SAS.UPENN.EDU). Please ensure that there is nothing else in the message, and if possible, no subject:

#### INFO EASCI

The list was founded and is operated by Professor Nathan Sivin, History and Sociology of Science, University of Pennsylvania, Philadelphia, PA 19104-3525, USA.

### Radiation Committee Seeks Historical Data

The Advisory Committee on Human Radiation Experiments is interested in receiving information about government-sponsored or conducted experiments on human subjects involving ionizing radiation since 1944. The committee would like information concerning scientific objectives and protocols, standards of informed consent, funding sources of studies, relevant government policies, subjects of studies, and principal investigators and other researchers. Please send information to the attention of: Stephen Klaidman, Advisory Committee on Human Radiation Experiments, 1726 M Street NW, Washington, DC 20008.

## HSS EMPLOYMENT SURVEY REPORT, 1992-1993

by Julie R. Newell, Southern College of Technology  
with assistance from Moran Tompkins and Rich Bellon

This report covers searches made during the 1992-93 academic year for positions beginning before the fall of 1993. In previous years, searches were included in the HSS employment survey on the basis of their having been advertised since the last report. This resulted in positions from different academic years being included in the report for the year in which the position begins. Thus, one artifact of the transition from the old system to the new is the unusually small number of searches included in the discussion below (22 searches and 23 positions). The 1992-93 survey generated 45 completed responses. Eight institutions failed to reply and 6 responses were not applicable. 17 responses concerning searches advertised since last year's HSS Employment Survey report but filling positions not beginning until fall 1993 are not included here. (They will be included in the 1993-94 report.) The 1990-1991 report included 42 positions and the 1991-92 report included 48 positions (although focusing on the 37 United States positions).

Four responses not included in the tables nor in the discussion that follows deserve some brief mention. Gale Research hired an unspecified number of applicants as "freelance writers." The National Park Service hired 70 of their 700 applicants for temporary summer positions and could supply almost no information on the individual applicants. One U.S. institution filled student research positions. As the British respondent pointed out, the HSS job survey form was not the appropriate tool for gathering information on student positions. Some tracking of such positions might be a useful expansion of the Society's efforts.

The remaining responses represent 22 institutions and 23 positions. Only two of these institutions and positions were outside the U.S. Excluding the one search for which no information on applicants was available and remembering that several respondents provided estimates rather than actual counts, 1,326 applications were received for 22 positions (an average of 60.3). The 19 permanent positions drew

1,281 applications (or an average of 67.4). The 3 temporary positions together attracted only 45 applications and well over half of these were for the archivist position at the Chemical Heritage Foundation.

The form used to gather data for this report asks for the number of male applicants, female applicants, and minority applicants (the latter category overlapping the first two although one respondent treated them as three mutually exclusive categories). Two institutions provided none of this data. An additional seven responded "NA" to the query about minority applicants. As a result, the information on minority applicants is so fragmentary as to be useless. This is a serious deficiency that needs to be addressed in a revision of the survey process. 1,174 applications could be identified by gender of applicant. 836 (71.2%) came from males. For the permanent positions, the disparity is almost identical with 811 (71.9%) males among 1,128 applicants. The 19 filled positions went to 7 (36.8%) male candidates and 12 (63.2%) female candidates. For the 16 permanent positions, 56.3% (9) of the successful

### History of Science Society Employment Survey for 1992/93

#### Category 1: HSTM was the Required Area of Expertise

Fields	Job Description			Total	Applicant Pool			Fields HSTM, etc. not NA	Successful Candidates
	Background	Rank	Advertising Media		Male, Female, Postdoc Class	Degree D, ABD with D by stat, ABD, other	Fields HSTM, etc. not NA		
<b>Permanent</b>									
Duke U Med Ctr	S,M	MD	Ass Prof	13-0	15	14,1 NA	11,0,0,0	15,0,0	F,as,D,ABD,1994,HSTM
Grand Valley State	S,M	D	Ass Prof	34	28(Nages.)	340,40,2(Nages.)	18,40,0,0(Nages.)	NA	F,NA,D,NA,Philosophy
Iowa State University	T	D,TI	Ass Prof	14	30	30,0,0	25,0,0,0	25,0,0	1st - F,NA,D,1992,HSTM 2nd - F,NA,D,1993,HSTM
Northwestern U	none	D	Ass Prof	13,4	112	46,0,0	NA	100,NA	M,as,D,1992,HSTM
Princeton University	S,T	D	Assoc Prof	1-4,8	30	30,0,0	30,1,0,0	NA	F,as,D,NA,1993,chemistry - HSTM position
SD School of Mines	3	D,TI	Assoc Prof	34	107	45,2,0	40,0,0(Nages.)	NA	M,as,D,1993,NA,HSTM
U Minnesota East Tech	NA	NA	Director	14	14	13,1,0	14,0,0	NA	candidate withdrew
University of Leeds	S,T,PS	D,TI	Lecturer	4	40	39,0,NA	19,14,0,0	22,11,0	M,as,D,1993,HSTM
U of Melbourne	9	D	Lecturer	34	34	103,0,NA	148,0,0	4,0,0	F,as,D,1992,1993,chemistry
U of Wyoming	none	A	Program Manager	4	23	23,0,0	22,0,0	NA	M,as,NA,NA,1993
<b>Temporary</b>									
Rutgers University	S,T	D	Research Hst	24	4	4,0,0	4,0,0	0,1,0	F,as,D,1992,HSTM
University of Toronto	S,M	D	Ass Prof	44	9	6,0,NA	0,1,0,0	6,2,1	F,NA,D,1993,HSTM

candidates were women. In not a single case where such information was available did a position go to a member of a protected minority. (Two positions were not funded, another was left unfilled, and one candidate withdrew.)

The applicants reflected in these survey responses were predominantly Ph.D.s or A.B.D. with their degree expected by the start of the position. In addition, 14 (77.8%) of the 19 successful candidates held Ph.D.s although only 65% of the job listings specifically required the degree. Applicants' fields are separated into three broad categories: HSTM, other history,

and non-history. Such information was available for only a portion of the applicant pool and even those numbers are skewed by a single position. According to the survey responses, 215 applicants had HSTM degrees, 321 held history degrees, and 59 fell into the catch-all category. The total of 321 applicants with history degrees includes 269 applicants for a single permanent position for which HSTM was one of several possible areas of expertise—and the successful candidate held an HSTM degree.

This year's survey report can at best "discuss" rather than "analyze" the survey

responses. The numbers are so small that small errors, uncertainties, or ambiguities easily generate large swings in percentages. (The questionnaire used to generate responses needs further refinement and respondents seem, in many cases, not to have the requested information available to them. Errors, uncertainties, and ambiguities abound.) In addition, the transition to the new academic-year basis for the annual report has certainly skewed the sample available for this report but it will give greater coherence to future reports.

#### Category II: HSTM was the Desired Secondary Area of Expertise

Fields	Job Description			Total	Applicant Pool			Fields: HSTM, Hist, not Hist	Successful Candidate Gender, Protected Class, Degree, Date, Field
	Background	Rank	Advertising Media		Male, Female, Protected Class	Degree: D, ABD with D by start, ABD, other			
Permanent									
George East Tech	none	D.TI	Asst Prof	1,14	M	35,NA	20,18,0	6,0,0	position not funded
Harl Building Museum	T	A,M	Curator	14	4 interviewed	3,1,0	3,0,1	2,1,1	M,ns,NA,NA,HSTM

#### Category III: HSTM was One of Several Possible Areas of Expertise

Fields	Job Description			Total	Applicant Pool			Fields: HSTM, Hist, not Hist	Successful Candidate Gender, Protected Class, Degree, Date, Field
	Background	Rank	Advertising Media		Male, Female, Protected Class	Degree: D, ABD with D by start, ABD, other			
Permanent									
Calif Inst of Tech	S	D.TI	Professor	14	24	11,10,0	NA	2,0,0	F,ns,D,1993,HSTM
DE Hist Preserve Office	NA	PH	Survey Coord	4	46	26,20,NA	NA	NA	F,ns,NA,1992,His candidate withdrew
Henry Ford Museum	none	A,M	Curator	14	33	24,9,NA	4,2,1,22	NA	F,ns,BA,1989,History
Klamath Valley CC	none	M	Asst Dir	4	NA	NA	NA	NA	F,ns,D,1985,not hist
CPM/CM	S,M,PS	none	Director	NA	38	30,8,2	14,0,22	0,0,28	M,ns,D,1985,not hist
Smith College	S,M	D.TI	Historian	13	130	NA	NA	NA	M,ns,D,1992,HSTM
U California, Berkeley	T	none	Historian	12	55	36,14,4	17,14,0	NA	position not filled
Temporary									
Clark Heritage Film	none	A	Archivist	34	27	13,14,0	12,0,22	NA	M,ns,M,1,1991,Library Science

#### Key to tables:

Fields	Background	Advertising Media	Degree
S - History of Science	D - Ph.D. Required	1 - AHA Newsletter	D - Ph.D.
T - History of Technology	A - Archival Training, Experience	2 - Chronicle of Higher Education	ABD - All the Dissertation
M - History of Medicine	M - Museum Training, Experience	3 - SAJEM Newsletter	
PS - Philosophy of Science	PH - Public History	4 - HSE Newsletter	
	TI - Teach American or Western History Survey	5 - SHOT Newsletter	
	TI - Teach World History or Non-Western Cultures	6 - Other	
	MD - Medical Doctor		

# HISTORY OF SCIENCE SOCIETY 1994 ANNUAL MEETING

## 13-16 October 1994

### New Orleans, Louisiana

#### Welcome to New Orleans

*(continued from page 1)*

When Louisiana was sold to the United States in 1803 by Napoleon and New Orleans chartered as a new city, it had a population of about 10,000 consisting primarily of Creoles (people of mixed French and Spanish origin). Because of its strategic importance it was besieged during the War of 1812 and again in 1862 during the Civil War, after it seceded from the Union. Economic recovery proceeded slowly through Reconstruction and was not completed until after World War I. During World War II New Orleans became a major industrial and distribution center and, by the late seventies, it was the second largest port in the nation and the third largest in the world.

Today New Orleans is one of the most exciting cities in the world. The French Quarter, the Vieux Carré (literally, "old square"), is the original section of New Orleans, and some of the buildings date back to the end of the eighteenth century. Cast of wrought iron grilles and other lacy iron trim adorn the galleries that overhang the narrow streets, and cool, secluded courtyards are enclosed within the walls of old Creole mansions. The flavor of the city's lively history lingers in the cabarets around Bourbon Street. The restaurants of the quarter are acclaimed by connoisseurs of French and Creole delicacies as among the best in the world. In the many antique shops, markets, and galleries can be found the reminders of bygone elegance.

Famous buildings abound in the Vieux Carré. The architecture, combining French, Spanish, neoclassic, and Victorian influences - with a characteristic New Orleans touch in the ironwork and courtyards - typifies the cosmopolitanism of the city. At the magnificent Cabildo, built in 1795 by the Spanish as the seat of government, Louisiana was officially

transferred to the United States; today it houses the Louisiana State Museum. The Pontalba Buildings, situated on Jackson Square, were built in the gracious style of the French Renaissance, and the galleries are a particularly fine example of the characteristic New Orleans ironwork. Of both architectural and historical interest are the Ursuline Convent, the oldest building in the Mississippi Valley, completed in 1794, and St. Louis Cathedral, which dates back to 1794. One of the most popular spots in the quarter is the historic French Market, five blocks of stalls where fruits, meats, fish, and vegetables of every variety are sold and where both tourists and denizens of the Vieux Carré come to rest and chat over a cup of *café au lait*. Of course, there is plenty of modern construction too, including a new civic center and the 75,000-seat Louisiana Superdome.

There are also a wide variety of museums and other cultural facilities. The Institute of Middle American Research at Tulane University has one of the world's finest collections of Mayan and other Middle American artifacts. The Confederate Museum houses Civil War memorabilia, and the Pharmaceutical Museum specializes in the history of pharmacy, including the 1832 apothecary shop of Louis J. Duffin, Jr., the nation's first licensed pharmacist. The New Orleans Museum of Art contains in its collection painting, sculpture, photographs, and decorative arts which survey the development of western civilization from the Pre-Christian era to the present. The New Orleans Jazz Museum houses the first cornet of Louis Armstrong, famous native of New Orleans.

HSS members who are interested in the local culture should not restrict themselves just to New Orleans proper. The nearby Bayou country (to the south and east of the city) is full of small towns with quaint Creole and Cajan enclaves. Indeed, the spicy food one associates with New Orleans

is even more characteristic in the Bayou country—after all, this is the country that "invented" Tobacco sauce! Members are also urged to take advantage of the many swamp tours in the region where you will see the living forms of the food you eat. In short, there is a wealth of sights, sounds, smells, and tastes in the Bayou.

We look forward to seeing you in New Orleans. As they say in the French Quarter, "Laissez les bons temps rouler!"

Amy Lanfrat, Executive Assistant  
Moran Tompkins, Graduate Assistant  
Keith Benson, Executive Secretary

#### Hotel Reservations

We have reserved 600 rooms at the Clarion Hotel for HSS, PSA, and 45 members. While this is a larger number of rooms than we reserve for most meetings, we encourage members to register as soon as possible. We cannot guarantee meeting room rates, which are extremely economical for New Orleans, for those who register late.

The Clarion Hotel is a full service hotel and it includes all the amenities one would expect. Exercise facilities, a rooftop pool, extensive office-support facilities, and a full array of culinary opportunities are among the many services located within the hotel itself. The hotel is on the National Register of Historic Places and is located very near to the French Quarter. As a convenience to its guests, the hotel provides a free shuttle service to and from New Orleans's most famous neighborhood. This service is also highly recommended by the hotel for its guests, especially during the evening hours. After all, HSS members should remember that New Orleans is no different than any other major American city that attracts tourists. Crime is not a problem, but there are situations one should avoid.

## Banquet

The Clarion Hotel caterer, Deborah Shipley, has arranged an authentic New Orleans dining experience for HSS members attending the banquet on Saturday evening. She has prepared three menu options (vegetarian, chicken, and seafood) all with enough spice to remind us that we have escaped the typical banquet fare. We have been able to maintain the cost of the banquet at \$25—wine and beer will be available for an additional cost.

## HSS Travel Agency for New Orleans

HSS members should note that the society has changed travel agencies. In response to many concerns members have expressed, we have reached an agreement with a new travel agency, *Travel Concepts* (Sandy Courtney), and have ended our contractual arrangement with *Ambassador Travel*. We encourage HSS members to call Sandy for all their travel needs, especially to the annual meeting in New Orleans, because the society receives annual travel awards in proportion to the number of tickets purchased by our members. In fact, the agreement we have reached with *Travel Concepts* is much more generous than that with our former agency. The complimentary travel coupons will defray society travel costs—last year we saved over \$1,000.

HSS members who have received travel grants from the society must use the society's travel agent. Sandy's telephone number is (800) 777-0907 or (206) 575-0907. The best hours to reach her are between 8:30-2:00 PDT. You may also leave a voice mail message for Sandy. Be sure to identify yourself as a member of HSS.

## Transportation Details in New Orleans

How do we get to the Clarion Hotel from the airport? The best and most economical service between the New

Orleans International Airport and downtown New Orleans, including a stop at the convention hotel, is via *Airport Shuttle*. The one-way fare is \$10. For reservations and information, call (504) 522-3500.

Transportation via taxi cab and rental car is also available at the airport. To make reservations for a rental car, please call Sandy Courtney at *Travel Concepts*, (800) 777-0907 or (206) 575-0907.

## Childcare Services

The Clarion Hotel has a list of accredited childcare providers who may look after your child (children) at the hotel. Rates vary according to the number of children for which the service is provided, the time of day, and the childcare provider's individual rate. To make advanced arrangements, please contact Pam Green, Director of Guest Services, Clarion Hotel, 1500 Canal Street, New Orleans, LA 70112; (504) 522-4500, ext. 2017.

## Travel Grants

We have extended the deadline for travel grants (available for graduate students and independent scholars) until 15 August. Applicants must complete the travel grant application which is included in the *HSS Newsletter* (April issue and on page 28 of this issue). Please note that the Committee on Independent Scholars has recently adopted new criteria for selection of applicants. These include the following: membership in HSS, presence on HSS program (paper presentation, session commentator, participant in HSS governance), previous HSS support for travel, employment status. For non-North American scholars, membership in other national history of science societies may replace the requirement for HSS membership.

For questions concerning the travel grants, please contact the Executive Office [(206) 543-9366 or via e-mail (amy@u.washington.edu or kbereson@u.washington.edu)].



Clark Gillmer and the Stuyvesant Steamers Brass Band will welcome HSS members to New Orleans at the Opening Reception

## PRELIMINARY PROGRAM

This is the provisional 1994 HSS Annual Meeting Program. Last minute changes for the final program should be sent to Amy Lanfear, History of Science Society, DR-05, University of Washington, Seattle, WA 98195; Tel. (206) 543-9366; Fax (206) 685-9544; E-mail: amy10@u.washington.edu.

### THURSDAY, 13 OCTOBER

REGISTRATION, 12:00-5:00 P.M.  
HSS COUNCIL, 11:00 A.M.-5:00 P.M.  
OPENING RECEPTION, 5:00-7:30 P.M.

\* Indicates session organizer(s)

#### Thursday, 13 October 7:30-9:30pm

1. Science and (Homo)Sexualities: The Social, Biological, and Medical Construction of Sexual Orientation (Sponsored by Committee on Diversity and Committee on Women. Organized by Garland Allen, Joan Cadden, Bert Hansen, Margaret Osher)  
Chair: *Joan Cadden* (Kenyon College)  
*Bert Hansen* (Baruch College): "100 Years of Homosexuality in the History of Science"  
*Anne Fausto-Sterling* (Brown University): "The Social Construction of Intersexuality"  
*Garland Allen* (Washington University): "The Biologizing of Homosexuality: Genetic and Hormonal Theories of Sexual Orientation, 1930-1960"  
Co-present: *Evelyn Hammonds* (Massachusetts Institute of Technology)

### FRIDAY, 14 OCTOBER

REGISTRATION, 8:00 A.M.-5:00 P.M.  
BOOK EXHIBIT, 9:00 A.M.-5:00 P.M.  
DINNER VISITING HISTORIANS OF SCIENCE, 7:30-8:30 A.M.  
COMMITTEE ON INDEPENDENT SCHOLARS, 7:30-8:30 A.M.  
COMMITTEE ON FINANCE, 9:00-12:00 NOON

#### Friday, 14 October 8:30-10:10 am

2. The Knowledge of the Invisible, The Ineffable, and the Intuitive  
Chair and Commentator: *Norton Wise* (Princeton University)  
*Lorraine Daston* (University of Chicago): "Wordless Objectivity"  
*Anne Harrington* (Harvard University): "Reenchanted Nature: Claims for the Reality of the Ineffable"  
*Juan L. Richards* (Brown University): "That Which May Be Known: Knowledge and Probability Theory in England 1830-1850"
3. Reconstructing Scientific Revolutions: Thomas S. Kuhn's Philosophy of Science  
Chair: *Peter Barker* (Virginia Polytechnic Institute)  
*Nancy Nersessian* (Georgia Institute of Technology): "Kuhn and the Cognitive Revolution"  
*Peter Barker* (Virginia Polytechnic Institute): "Kuhn and the Sociological Revolution"  
*Kenneth L. Gensler* (University of North Carolina, Greensboro): "Objectivity, Relativism, and the Individual: A Role for the History of Science"  
Comment: *Paul Hoyningen-Huene* (University of Konstanz, Germany)
4. Early Modern Cosmologies in Context  
Chair: *Wilbur Applebaum* (Illinois Institute of Technology)  
*Bernard R. Goldstein* (University of Pittsburgh): "Theology and Theory Choice in the Late 16th-Century"  
*Kenneth J. Howell* (Indiana University): "The Cosmology of Tycho Brahe"  
*Sara Schneider Gensath* (University of Maryland, College Park): "Popular Culture and Elite Cosmology"  
*John Sheshelwood* (Independent Scholar): "Ptolemaic Cosmology and Philippian Theology in Tycho Brahe's Denmark: The Case of Kurt Alaksson"

#### 5. William Whewell (1794-1866): The Bicentennial Session

(Sponsored by Society for the History of the Philosophy of Science [HOPPS]. Organized by Laura J. Seydler)  
Chair: *Arthur Fine* (Northwestern University)  
*Harvey W. Beebe* (Northern Arizona University): "William Whewell in Historical Context"  
*Michael Ruse* (University of Guelph): "The Philosophy of the History of Science of William Whewell"  
*David B. Wilson* (Iowa State University): "William Whewell and the Unity of Science"  
*Laura J. Seydler* (Johns Hopkins University): "Whewell's Inductive Philosophy of Science"

#### 6. The (Natural) Human and the (Human) Natural Sciences

(Sponsored by Forum for the History of the Human Sciences. Organized by Mitchell Ash)  
Chair: TO BE NAMED  
*Margaret Schabar* (York University): "Two Sides of the Same Coin: Economics as a Natural and/or Human Science"  
*Henrike Kalklick* (University of Pennsylvania): "Bulletins from the Field"  
*Mitchell Ash* (University of Iowa): "The Image of Physics: Refiguring Psychological Theory in the 1930s"

#### 7. Pedagogical Experiments in 19th-Century Science

Chair: *Frederick Gregory* (University of Florida)  
*Juan Maria* (University of Cambridge): "Science on Show: Instruction and Amusement at the Victorian Exhibition"  
*Deborah Jean Warner* (Smithsonian Institution): "Physics as a Mental and Moral Discipline"  
*Brian Dolan* (University of Cambridge): "Traveller's Tales: Translating Experimental Teaching Practices in Britain"  
*Kathryn Olmke* (Georgetown University): "Teaching Disciplines, Shaping Identities: The 19th Century Origins of Modern Science"

### 8. World War II and Science Policy: Postwar Insiders and Outsiders

(Organized by Silvan S. Schweber)

Chair and Commentator: *Daniel J. Keefe* (California Institute of Technology)  
*Michael Dennis* (Cornell University): "Barbed: The (Ir)relevance of Vannevar Bush for the History of Postwar American Science"

Chair and Commentator: *James Homburg* (Woodrow Wilson Center): "The Importance of Being at Harvard: James Conant and Postwar Science Policy"

Chair and Commentator: *Allen Needell* (Smithsonian Institution): "Where We Sit Is Where We Stand: Lloyd V. Berkner as Insider and Outsider on Science and National Security Issues"

### 9. Through the Voices of Others: Absent Voices of Women Performing and Supporting Science

Chair: *Evette Mendelsohn* (Harvard University)

Chair and Commentator: *Jane Brown* (University of London): "Silent Voices: The First Women Speakers at the British Association for the Advancement of Science"

Chair and Commentator: *Joy Harvy* (University of Cambridge): "The Voices of Darwin's 'Angels': Women Surrounding and Supporting Charles Darwin as Editors, Translators, Amanuenses, and Scientific Observers"

Chair and Commentator: *Marilyn Ogilvie* (University of Oklahoma): "Alice Boring: An American Woman Scientist Heard Through the Voices of Her Chinese Students"

Comment: *Dorinda Owsam* (University College, Cork)

**Friday, 14 October**  
**10:30am-12:10pm**

### 10. Panel: The 'American National Biography' and the History of Science (Sponsored by Forum for History of Science in America. Organized by Nathan Reingold)

Chair: *Michael Sokal* (Worcester Polytechnic Institute)

Chair and Commentator: *Jane Mairimichien* (Arizona State University)

Chair and Commentator: *Michael Sokal* (Worcester Polytechnic Institute)

Chair and Commentator: *Nathan Reingold* (Smithsonian Institution)

Chair and Commentator: *Jeffrey Swarth* (Merck & Co., Inc.)

### 11. Culture Historicized: The Culture Concept in Intellectual and National Context, 1850-1950.

Chair and Commentator: *Leila Zenderland* (California State University, Fullerton)

Chair and Commentator: *Matti Banai* (University of Chicago): "The Roots of the Anthropological Concept of Culture in 19th Century German Thought"

Chair and Commentator: *John S. Giltner* (Arizona State University): "Culture in America: The Diffusion of the Anthropological Concept of Culture in the United States"

Chair and Commentator: *David E. van Knippen* (Naval Research Laboratory): "Culture in Mid-Victorian Britain: Arnold, Tyloer, and the Scripting of Culture Theory in 1840s Britain"

### 12. Cultivating Mathematics: New Directions in the History of Early Modern Mathematics

Chair: *Lindy Gernack* (University of Alberta)

Chair and Commentator: *Amir Alexander* (Stanford University): "Exploration Mathematics: Imperialist Rhetoric and Mathematical Technique in Elizabethan England"

Chair and Commentator: *Mary J. Van* (Princeton University): "Measures of the Medici: Mathematical Devices and Their Representations in Early Modern Italy"

Chair and Commentator: *Graig R. Rudine* (University of Cambridge): "Merzenne's Mediation: The Proving Grounds of Mathematical Practice"

Comment: *Pamela Long* (Independent Scholar; Fellow, Folger Shakespeare Library, 1994-95)

### 13. Science, Class Relations and Cultural Authority

Chair: *Harriet Rivo* (Massachusetts Institute of Technology)

Chair and Commentator: *Anne Secord* (University of Cambridge): "Artisan Naturalists in the Public Sphere: Science and Class Relations in 1840s Manchester"

Chair and Commentator: *Allison Winter* (California Institute of Technology): "Natural Law in the Draw-

ing Room: Sciences of Mind Among the Victorian Aristocracy"

Chair and Commentator: *James A. Secord* (University of Cambridge): "Creation in the City: Evolutionary Controversies in Early Victorian Liverpool"

Comment: *Paul White* (University of Chicago)

### 14. Science and the Development of Munitions

Chair and Commentator: *Sydney H. Maukoff* (Duke University)

Chair and Commentator: *Brent D. Storie* (University of Minnesota): "Benjamin Robins' Gunpowder Explosion Investigation and the Initiation of the Ballistics Revolution (1742-1753)"

Chair and Commentator: *Sandra L. Newman* (Florida Atlantic University): "The Wonder Exciting Cotton: The Discovery and Development of Nitrocellulose"

Chair and Commentator: *Richard E. Rier* (University of Montana): "Smokeless Powder: Physical Mixtures and Chemically Pure Compounds"

### 15. The Political Valence of Empiricism: An Epistemological Debate Across the Centuries

Chair and Commentator: *Kim Alder* (Northwestern University)

Chair and Commentator: *Jonica Raskin* (University of California, Berkeley): "Philosophical Modesty and the Spirit of Systems"

Chair and Commentator: *Kristin M. Anderson* (Independent Scholar): "The Ambi-Valence of Agnosticism: The Changing Politics of Epistemic Limits to Science in Nineteenth-Century Germany"

Chair and Commentator: *Richard H. Boyer* (Harvard University): "Locating Positivism Politically in 20th-Century Central Europe: Links to the Left"

### 16. Disciplining Microbes: From Pathogens to Models of Biology

(Organized by Eric D. Kupferberg, Massachusetts Institute of Technology)

Chair: *Olga Amsterlamska* (University of Amsterdam)

Chair and Commentator: *Patricia Peck Gould* (Smithsonian Institution): "By-Product of Practice: Accruing a Biology of Bacteria"

*Susan Spoth* (University of California, Berkeley): "Idealizing the Microbe: C. B. van Nieuwenhoff's Conception of General Microbiology"

*James Strick* (Princeton University): "Swimming Against the Tide: Adrianus Piper and the Debate about Bacterial Flagella, 1946-1956"

#### 17. Art, Technology, and Scientific Representation

Chair: *Timothy Lenoir* (Stanford University)

*Alex Sajiang-Kim Pang* (University of California, Berkeley): "The Scientific Illustrations Industry in Victorian England"

*Juanita Kennedy* (Oxford University): "The Art of Astrophysics"

*Jane Cameron* (University of California, San Diego): "Who Made That Map?"

Comment: *Samuel Edgerton* (Williams College)

COMMITTEE ON HONORS AND PRIZES, 12:15-1:30 P.M.

COMMITTEE ON EDUCATION, 12:15-1:30 P.M.

ORBIT EDITORIAL BOARD, 12:15-1:30 P.M.

FORUM FOR THE HISTORY OF SCIENCE IN AMERICA, BUSINESS MEETING, 12:00-12:30 P.M.

FORUM FOR THE HISTORY OF SCIENCE IN AMERICA, PROGRAM 12:30-1:30 P.M.

### Friday, 14 October 1:30-3:10 pm

#### 18. Works in Progress: Border Crossings

Chair: *Mary Rutenberg* (Joseph Henry Papers, Smithsonian Institution)

*Jorge Canizares* (University of Wisconsin, Madison): "Mexican Codices in the Eighteenth Century: Counter Reformation Humanism and Natural Sciences of the Soul"

*Peggy Champin* (Independent Scholar): "Practice and Theory in Mining Education: American Students of Mining Geology at the Freiberg Mining Academy in the Nineteenth Century"

*Katherine L. Bryant* (Harvard University): "The Social Construction of an Observatory: Harvard's Boyden Station in Peru, 1889-1891"

*Stefan Wuff* (Independent Scholar): "Emigration of Physicians from Germany—Some Consequences for the Development of Physics in the USA"

*Yuelin Zhu* (Harvard University): "The 'China Complex': An Internal Driving Force of the American Chinese Physicists"

#### 19. Works in Progress: Ancient and Medieval Science

Chair: *Wilbur Knorr* (Stanford University)

*James N. Haldar* (University of Pennsylvania): "The Noetic and Scientific Advantages of Aristotle's Theory of Matter Over Plato's"

*James Evans* (University of Puget Sound): "Sphaleroptia and the Image of the World in Ancient Greek Astronomy"

*Keith Haskins* (University of Melbourne): "The Antiquity of the Injunction Non plus ultra"

*Ahmed Basal* (Virginia Polytechnic Institute and State University): "The Prophet and the Knowledge of 'Non-Believers'"

*Thormin Vilhjalmsson* (University of Iceland): "Old-Norse Astronomy and Navigation: An Overview"

#### 20. Works in Progress: German Science in the Age of Goethe

Chair: *Ernst P. Hahn* (University of British Columbia)

*James Alena* (University of Chicago): "The Philosophical Chemistry of Friedrich Schelling"

*LeAnn Hansen* (California State University, Fullerton): "Metaphors of Mind & Society: The Origins of German Psychiatry in the Prussian Reform Era"

*Laura Sander* (Iowa State University): "Developmental Embryology in the Early Work of Johannes Müller"

*Anne Myles* (Indiana University): "Jacob Friedrich Fries and the Philosophy of Biology"

*José Ferreira* (University of California, Berkeley): "The Differentiation of Mathematics, Physics and Chemistry in Ger-

many, 1790-1848: A Study of Career and Institutional Developments"

#### 21. Works in Progress: Physics and Philosophy

Chair: *Roger Stuever* (University of Minnesota)

*Alfred Nordmann* (University of South Carolina): "Hertz and the Limits of Physics"

*Robinson Yeo* (Iowa State University): "George Howard Darwin and the Birth of the Moon"

*Maxim Eger* (City University of New York): "Evolutionary Cosmology at the Turn of the Century: The Case of George Darwin"

*Hank Cheng* (Harvard University): "The Quantum Counter-Revolution: Internal Conflicts in Scientific Change"

*Gennady Gorvlik* (Dibner Institute for History of Science and Technology): "Philosophical Background of Sakharov's H-Bomb"

#### 22. Works in Progress: Revisiting Giants of the Scientific Revolution

Chair: *Mordechai Feingold* (Virginia Polytechnic Institute and State University)

*Gordon L. Miller* (Independent Scholar): "More Words Could Not Impress Galileo's Language and the Status of Primary and Secondary Qualities"

*Wallace Hager* (Indiana University): "The Inks in Galileo's Unlabeled Manuscripts"

*Emerson Thomas McMullen* (Georgia Southern University): "The Timing of William Harvey's 'Discovery' of the Circulation of the Blood"

*Ofir Gal* (University of Pittsburgh): "Producing Knowledge in the Workshop: Hooke's 'Inflection' from Optics to Planetary Motion"

*Saul Fisher* (City University of New York): "Gassendi's Empiricism and the Corpuscular Philosophy"

#### 23. Works in Progress: Science and Social Reform

Chair: *Barbara Kimmelman* (Philadelphia College of Textiles and Science)

*Joanne Waiak* (University of Toronto): "The Politics of Herodotus: Theories of Race

**Degeneration in the British Temperance and Eugenic Movements**

*Mark G. Madison* (Harvard University): "The Soil Soldiers: The Mobilization of Soil Conservation Science in the American Social Context, 1933-1942"

*Benjamin Harris* (University of Wisconsin, Parkside): "Science in the 'Sunday Worker': The Therapeutic Optimism of Dyson Carter"

*Sara Tjomsen* (University of Minnesota): "Preservation of Nature and Academic Respectability: Tensions in the Ecological Society of America"

*Katie Jensen* (University of Pennsylvania): "Thomas R. Odhiambo and Meanings for Science in Kenya"

**24. Works in Progress: Science, Gender and Sex**

Chair: *Elizabeth Fee* (John Hopkins University)

*Evellen Richards* (University of Wollongong): "Charles Darwin, Alexander Waller, and the Selective Breeding of Women"

*Stephanie H. Krenn* (University of California, Berkeley): "Hormones and Homosexuality: Clifford Wright and Alfred Kinsey, 1935-1941"

*Sheldon Kopperl* (Grand Valley State University): "Icicle Macy Hoobler: Nutrition and Gender Frontiers"

*Elizabeth Watkins* (Harvard University): "Science and the Sexual Revolution: Social Construction of the Pill in the 1960s"

*C. Michelle Murphy* (Harvard University): "Sick Bodies and Sick Buildings: Women Office Workers and the Production of Self"

**25. Works in Progress: Topics in Nineteenth-Century Science**

Chair: *Trevor H. Levere* (University of Toronto)

*Elizabeth Green* (Indiana University): "John Herschel's European Grand Tour: Visions of a Precision Scientist-cum-Romantic Artist"

*Paul Lucier* (Independent Scholar): "The Problem with Patents in the Mid-Nineteenth Century: Scientific Discovery or Technological Principle?"

*Sonia Uyemhwen* (University of Cambridge): "Student Culture at late Victorian Cambridge: The Natural Science Club"

*Sherrill L. Lyons* (Dartmouth College): "From Huxley to Gould: The Role of Personality and Popularization in the Debates Over Evolutionary Theory"

*Daniel Brown* (University of Cambridge): "Body as Evidence: Post-Modern Practices and the Rise of Professional Forensic Science in England"

**Friday, 14 October  
3:30-5:35pm**

**26. Using Nature's Language: Women Popularizing Science**

Chair: *Ann B. Stets* (York University)  
*Judith English Early* (University of Alabama): "Mary Kingsley: The Spectacle of Science and Self"

*Marianne G. Amdy* (Concordia University): "Science from the 'Backwoods': Catherine Parr Traill (1801-1899) and Popular Science Writing in 19th Century Canada"

*Susan Hocker-Drysdale* (Concordia University): "The Scientific Faces/Phases of Harriet Martineau: Public Educator, Practitioner, Promoter"

*Bernard Lightman* (York University): "Constructing Victorian Heavens: Agnes Clarke and Gendered Astronomy"

*Famela Geiss* (University of Missouri, Rolla): "Living Poetics, Enacting the Cosmos: The Popularization of Astronomy in Diane Ackerman's 'The Planet: A Cosmic Pastoral'"

**27. Mapping the Contours of the American Mathematical Research Community: 1900-1950**

Chair: *Karen Hunger Parrish* (University of Virginia)

*David L. Robson* (Johns Hopkins University): "Albert Harry Wheeler (1873-1950): A High School Teacher's Quest for Entry into the World of Mathematical Research"

*Della Dumbaugh Fenster* (University of Virginia): "Mentoring in Mathematics:

The Case of Leonard Eugene Dickson (1874-1950)"

*Loren J. Swier* (Rutgers University): "Taking All Knowledge for His Province": E. B. Wilson and the Proceedings of the National Academy of Sciences"

*Liliane Benard* (Dibner Institute): "Continuity and Interventions in the Mathematical Reviews (1940-1950)"

Comment: *Joseph W. Dauben* (Herbert Lehman College of CUNY)

**28. New Studies of Robert Boyle: Some Considerations Chymical and Theological**

Chair: *Edward B. Davis* (Messiah College)

*Rose-Mary Sargent* (University of Minnesota): "The 'Unsuccessfulness' of Boyle's Practice"

*William R. Newman* (Harvard University): "The Corpuscularian Philosophy of Alchemy in Boyle's Work"

*Lawrence M. Principe* (Johns Hopkins University): "Skeptical of the Scorpian Chymist: The Development of Boyle's Alchemical Views"

*Edward B. Davis* (Messiah College): "The Anonymous Works of Robert Boyle, and the 'Reasons Why a Protestant Should Not Turn Papist'"

*Jan W. Wojcik* (Auburn University): "'This Due Degree of Blindness': Boyle, Hume, and the Limits of Reason"

**29. Reading American Physics from the Outside, 1945-1955**

Chair: *Spencer West* (American Institute of Physics)

*Laurie Brown* (Northwestern University): "Japanese Theorists and the USA, 1945-1955"

*Gabryel Gysin* (Deutsches Museum): "Prewar Legacies and the Postwar World: Heisenberg's Physics after World War II"

*Karl Hall* (Harvard University): "In Avoidance of Devilish Tricks: Soviet Theoretical Physics after World War II"

*Alena Kojimikhina* (Institute for History of Science and Technology, Russia): "Questioning American Leadership: The Case of Quantum Electronics"

*Antonio Rizzo* (University of Palermo, Italy): "The Discovery of Strange Particles Between Europe and the United States"

## 30. War, Science and the Body

Chair: Warwick Anderson (Harvard University)

\*Lisa Hereshkov (Harvard University): "Ghosts in the Military-Machine: Nerve Wounds in the Civil War Research Hospital"

Daniel Pick (University of London): "Shellshock, Trauma and the Theory of the Unconscious"

Mamba Price (Stanford University): "Bodies and Souls: Jules Armar and the Science of Vocational Re-Education in the Aftermath of the Great War"

Hans Pale (University of Pennsylvania): "When He Comes Home Nervous: Rehabilitation and the Psychoneurotic after World War II"

Angela Creager (Princeton University): "Blood Between Bodies: World War II and the Plasma Fractionation Project"

## 31. The History of Psychiatry: Methodological and Historiographical Issues

Chair: Roy Porter (Wellcome Institute for the History of Medicine)

Ian R. Dowbiggin (University of Prince Edward Island): "Psychiatry and Eugenics in the United States, 1890-1940: Methods in the History of Science and Medicine"

\*Mark S. Micale (Yale University): "Beyond the Freudian Historical Technology"

Ellen Dwyer (Indiana University): "Stories of Sickness, Stories of Disease: New Approaches to the History of Psychiatry"

Lisa Cardyn (Yale University): "Psychiatry and Medical Sexology: Emerging Historiographical Trends"

Comments: Roy Porter (Wellcome Institute for the History of Medicine)

## 32. Refining Our Understanding of Eugenics

(Organized by Marga Vicolo and Jane Mairnschein, Arizona State University)

Chair: TO BE NAMED

Kathy Cook (California Institute of Technology): "Hereditarianism and Environment: Patterns in Eugenic Reform"

Diane Paul (University of Massachusetts, Boston): "Did Eugenics Rest on an Elementary Mistake?"

Robert N. Proctor (Pennsylvania State University): "Nazi Cancer Theory and Policy"

Marga Vicolo (Arizona State University West): "Agriculture, Genetics, and Eugenics in the Work of E. M. East"  
Comments: TO BE NAMED

## 33. The Political Context of Scientific Anniversaries

Chair: Alfred I. Tauber (Boston University)

Geoffrey N. Cantor (University of Leeds): "Commemorating Faraday in England: Moral Discourse, Vested Interest and the Appropriation of a Great Man"

\*Prima G. Akir-Am (Boston University): "Anniversaries of the Double Helix: From Historiographic Agendas to the International Policy on Human Genomes"

Annie Petit (Université Blaise-Pascal): "On the Systematic Usage of Public Commemoration of Scientific Glory in the Postivist Politics"

Comments: Jack Leach (University of California, Berkeley)

COMMITTEE ON WOMEN, 5:30-6:30 P.M.

HSS RECEPTION, 5:30-7:30 P.M.

JHS EDITORIAL BOARD, 6:00-7:30 P.M.

Friday, 14 October  
7:30-9:30pm

## 34. Using Audio-Visual Materials to Teach the History of Science

(Sponsored by Committee on Education. Organized by Henry Steffens and Paul Therman)

Chair: Henry Steffens (University of Vermont)

James Capshaw (Indiana University): "Learning from Frankenstein in Words and Pictures"

Rima Apple (University of Wisconsin): "Science and Gender as Portrayed on Television"

Bill Leonard (National Library of Medicine): "Bringing Archives into the Classroom via Video Disk"

TO BE NAMED (West Publishing Company): "Integrating Texts and Laser Disk to Teach History"

## INTEREST GROUPS:

EARLY SCIENCE, 7:30-9:30 P.M.

HISTORY OF ASTRONOMY, 7:30-9:30 P.M.

HISTORY OF CHEMISTRY, 7:30-9:30 P.M.

FORUM FOR THE HISTORY OF HUMAN SCIENCES, 7:30-9:30 P.M.

HISTORY OF MATHS, 7:30-9:30 P.M.

## SATURDAY, 15 OCTOBER

COMMITTEE ON DIVERSITY, 7:30-8:30 A.M.

FORUM FOR THE HISTORY OF AMERICAN SCIENCE, COORDINATING COMMITTEE, 7:30-8:30 A.M.

BOOK EXHIBIT, 9:00 A.M.-5:00 P.M.

Saturday, 15 October  
8:30-10:10am

## 35. The Reception of Germ Theory

Chair and Commentator: Nancy Tomes (State University of New York, Stony Brook)

\*Terrie M. Ransome (University of Toronto): "The Reception of 'the Germ Theory' in Mid-Victorian Britain"

\*Mary P. Saphen (Yale University): "The Reception of Germ Theories in Hong Kong and Calcutta"

B. J. Anderson (University of Cambridge): "The Changing Pathology of Tuberculosis in Twentieth Century China"

## 36. From Laboratories to Industry:

Optical Theory and Practice in Germany, 1800-1914

Chair and Commentator: Jol Z. Berthold (Düerer Institute, Massachusetts Institute of Technology)

Myle Jackson (Harvard University): "Illuminating the Opacity of Lens Making"

**Fraunhofer's Laboratory and Monastic Culture\***

Chair: *Stuart Feffler* (University of California, Berkeley): "Microscopes as Munitions: Ernst Abbe, Carl Zeiss, and the Transformation of Technical Optics, 1850-1914"  
 \**David Cahen* (University of Nebraska): "The Faith of Industry: Jena Optics and Glass, and the Support for Science"

**37. Women Scientists in World War II**

Chair: \**Margaret Rouiser* (Cornell University)  
*Caroline L. Hermonberg* (Argonne National Laboratory) and *Ruth H. Howes* (Ball State University): "Women Scientists of the Manhattan Project"  
*Karen E. Johnson* (St. Lawrence University): "Standing on My Own Two Feet: Maria Goeppert Mayer in World War II"  
*Margaret Rouiser* (Cornell University): "Women Scientists in World War II: Opportunity Lost?"

**38. Science and Religion in Islam: A Session in Memory of Aydin Sayili**

Chair: \**Abdulkamil I. Sabra* (Harvard University)  
*Sonja Bragan* (Princeton University): "The Place of the Exact Sciences at the madrasas ('college') in al-Nizami's *Al-dairin fit ta'rikh al-madaris* (16th century)"  
*Abmad Dallal* (Smith College): "Classifying the Sciences: The Islamic Maps of Knowledge"  
*Abbas Dhanani* (Harvard University): "Nature and Causation in *Falsafa* and *Kalam*"  
 \**F. Jamil Rapp* (University of Oklahoma): "Religiously-Inspired Instrumentalism in Islamic Astronomy"

**39. Science Popularization in America**

Chair: *Bruce V. Lewenstein* (Cornell University)  
*Eric D. Kraggerberg* (Massachusetts Institute of Technology): "The Expertise of Germs and the Germ of Expertise: From Hygienic to Bacteriological Discourse, 1919-1939"  
 \**Gregory R. Ehrlich* (Duke University): "The Creation of Popular Science Writing, 1915-1945"

*Bruce V. Lewenstein* (Cornell University): "Science Journalists, 1945-1965: A New Profession on the Side of Science"

Comments: *Stephen Haggart* (Columbia University); *Marcel C. LaFollette* (George Washington University)

**40. Biography and Social History of Science: Strange Bedfellows or Significant Others?**

Chair: \**Thomas Soderqvist* (Roskilde University, Denmark)  
*John Gagnier* (University of New South Wales, Australia): "The Scientist as Patron: Sir Joseph Banks and the *Historians*"  
 \**Kostas Gavroglu* (National Technical University, Greece): "Only for Patient People: Writing Biographies of the Practitioners of 'Normal Science'"  
*Thomas Soderqvist* (Roskilde University, Denmark): "Scientific Biography Between Edification and the Hermeneutics of Suspicion"  
*Silvan S. Schweber* (Brandeis University): "Writing Biographies of Living Scientists"

**41. Mind, Brain, and Culture: Constructing Mental Pathologies in the 19th and 20th Centuries**

Chair: *Jan Goldstein* (University of Chicago)  
 \**Stephen Jayme* (Wellcome Institute for History of Medicine): "Disciplinary Design: Non-Verbal Representation in Nineteenth-Century Aphasiology"  
 \**John Gerson* (Wellcome Institute for the History of Medicine): "Different Minds or Feeble Minds? Individual Intellect and Nineteenth-Century Mental Science"  
*Elizabeth Lunbeck* (Princeton University): "From Hysteria to Borderline: Genealogies of Female Disorder"  
*Gregory Mose* (University of California, San Diego): "Psychoses in Color: Nervous Stains and the Moral Constitution of Neuropathological Knowledge in Late-Wilhelminian Germany"

**42. How Scientific Images Work**

Chair and Commentator: *Lisa Cameron* (University of Rochester)

*Marie Buglioli* (University of California, Los Angeles): "Galileo, Scheiner, and the Representation of Sunspots"

\**Peter Galison* (Harvard University): "The Disappearing Image"  
*Nikolaus Rasmussen* (University of Sydney): "Through Another Looking Glass: Electron Microscopy as Lived Experience and the Transformation of Understanding by Scientific Instrumentation"

**Saturday, 15 October  
10:30am-12:10pm**

**43. Tempo and Mode in 20th-Century Science**

Chair: *Joseph Roas* (Wesleyan University)  
*James Cushing* (University of Notre Dame): "Quantum Mechanics: Historical Contingency and Copenhagen"  
 \**Edward Manier* (University of Notre Dame): "Consensus Formation in Biology, Neuropsychology and Psychology"  
*Jill Moravcsik* (Wesleyan University): "Sex Matters! The Unending Search for a Valid Psychology of Sex Differences"

**44. The Scientific Revolution Through the Microscope**

Chair: *Albert van Helden* (Rice University)  
*Catherine Wilson* (University of Alberta): "The Genesis of Scientific Facts: The Role of the Microscope in Early Modern Science"  
*Edward G. Barrett* (University of Colorado, Boulder): "The Microscope and the Scientific Revolution: The Meaning in Marginality"  
*Ludwig C. Palm* (University of Utrecht): "Isolation and Networks: The Importance of the Scientific Context for Leeuwenhoek's Research"  
 \**Christopher H. Lashy* (Harvard University): "The Expected and the Observed: Microscopy and the Establishment of the Corpuscularian Philosophy"

## 45. Water Purity / Water Danger

Chair and Commentator: Victoria Harden (National Institutes of Health)

Christopher S. Hamlin (University of Notre Dame): "The Missing of Water in British Public Health, 1828-1853"

\*Carolyn Shapiro (Grand Valley State University): "Filtering the City's Image: St. Louis's Fight Against Chicago Sewage, 1900-1906"

Elizabeth Hunt (University of Pennsylvania): "Handmaids of Public Health: Water Works Engineers and Water Fluoridation"

## 46. The Cold War and the Shape of Science

Chair: Daniel Kleinman (University of Houston)

Michael Brewster (University of California, San Diego): "Academic Research Protocols and the Pax Americana: American Economics During the Cold War Era"

Lily E. Kay (Massachusetts Institute of Technology): "Discourse, Culture, Patronage: Molecular Biology in the 1950s"

Stuart W. Leslie (Johns Hopkins University): "Beyond Point Four: American Technology Transfer Programs in the Cold War"

\*Mark Solovey (University of Wisconsin) and Daniel Kleinman (University of Houston): "Hot Science/Cold War: The National Science Foundation after World War Two"

## 47. Reconstructing Scientific Selves: Public Spheres, Perceiving Subjects and Scientific Objects

Chair: Sharon Trause (University of California, Los Angeles)

Maxin H. Krieger (University of Southern California): "Lam Osager's (1944) Solution of the Two-Dimensional Ising Model: Deriving the Secrets of Nature Exactly"

Thomas Brogan (University of Wisconsin): "Theory Into Practice: Brunonian Medicine and the Public Sphere in Germany, 1795-1810"

\*Ayuel Ramani (University of California, Los Angeles): "Leibniz's Monadic Self

Versus Locke's Person: Conservation Laws Versus Newtonian Laws of Motion"

Karen Barad (Pomona College): "Discontinuous Interactions: Niels Bohr's Philosophy of Physics and Contemporary Physics Culture"

## 48. Research, Use, and Conservation of Latin American Biodiversity: The Patterns of Interaction with the United States

Chair: Mark V. Barrow, Jr. (Virginia Polytechnic Institute and State University)

Pablo M. Poma (Academia de Ciencias de Cuba): "Cuban American Scientific Exchange: 19th-Century Foundations for 20th-Century Relations"

Pamela M. Henson (Smithsonian Institution): "Scientist or Advocate? Smithsonian Biologists and the Conservation of the Tropical Rainforest in Panama"

John P. Dwyer (University of Notre Dame): "From Specimen Collector to Conservationist: Scientists and International Conservation Before the Second World War"

\*Adolfo Olán-Franco (Harvard University): "Preventing Boredom and Pregnancy: The Mexican History of Chewing Gum and Contraceptives"

## 49. Encountering Nature: The American Public and the Natural World, 1840-1920

Chair: Albert Mayer (Virginia Polytechnic Institute)

Helen Russakowski (University of Pennsylvania): "Fruits of the Sea: Literary Products of Nineteenth-Century Deep Ocean Investigation"

\*Paul Therman (Smithsonian Institution): "Speaking of Nature: Lectures and Writings on the Natural World in Nineteenth-Century America"

Gemelia Sear (University of California, Berkeley): "Letters to the Smithsonian: Rethinking the Production and Consumption of Scientific Knowledge"

Comment: Philip J. Pawly (Rutgers University)

## 50. Exploring the "Female Voice": Physicians and Patients

Chair and Commentator: Charlotte Bort (University of Alabama)

\*Arden M. Tuchman (Vanderbilt University): "Masculinity and Femininity in the History of Women in Medicine"

Rigina Morante-Sanchez (University of California, Los Angeles): "Gender, Professionalism and Gynecological Surgery: A Case Study from the 19th-Century United States"

Nancy M. Theriot (University of Louisville): "The Case within the Case Study: Recovering the Voices of Nineteenth-Century Women Patients"

COMMITTEE ON MEETINGS AND PROGRAMS, 12:15-1:30 P.M.

COMMITTEE ON RESEARCH AND THE PROFESSION, 12:15-1:30 P.M.

COMMITTEE ON PUBLICATIONS, 12:15-1:30 P.M.

HSS BUSINESS MEETING, 12:15-1:30 P.M.

*Saturday, 15 October*  
1:30-3:10pm

## 51. Works in Progress: Biology in Cultural Context

Chair: Toby Appel (Independent Scholar)

Chandak Sengupta (Johns Hopkins University): "The Uses of Anomaly: William Roux, Analytic Experimentalism, and Medical Research in the Early Twentieth Century"

Bert Thomson (University of Utrecht): "The 'Delft Tradition' Revisited: M. W. Beijerinck and the Genetics of Microorganisms"

Jonathan Harwood (University of Manchester, England): "Weimar Culture and Biological Theory: A Study of Richard Woltereck (1877-1946)"

Daniel Friedman (Independent Scholar): "Morphogenetic Fields and Mitrogenetic Rays: The Legacy of Russian Biologist Aleksandr Gurvich"

Nancy G. Slack (Russell Sage College): "New Methods in Biology after World War II: Radioscope Experiments and

Radiocarbon Dating by G. E. Hutchinson and Students"

52. Works in Progress: Images of Scientific Knowledge

Chair: *Betsy Smoot* (University of Florida)

*Gasper Hafkorn* (University of Twente, Netherlands): "The Historiography of Scientism: Its Scope and Its Diversity"

*Sara Fuller* (University of Durham, UK): "Teaching Thomas Kuhn to Teach the Cold War Vision of Science"

*Diana Obregon* (Universidad Nacional de Colombia / Virginia Polytechnic Institute): "The Fear of Leprosy in Colombia: The Uses of Knowledge"

*Lillian Haddeman* (University of Illinois) and *Adrienne Kolb* (Fermilab National Accelerator Laboratory): "Call of the Frontier: Images and the Settling of the Fermilab, 1963-74"

*Henry B. Bransman* (College of Wooster): "The Origins of Contemporary Philosophy of Science"

53. Works in Progress: Late Medieval Science

Chair: *Libe Taub* (Adler Planetarium)

*Miguel de Asua* (Argentina): "Medicine and Natural Philosophy in the 15th Century: Peter of Spain's Commentaries on the *Arteriole* and on *De animalibus*"

*José Chabaz Bergon* (Independent Scholar): "Astronomy in Late 15th-Century Spain"

*Sheila J. Rabin* (St. Peter's College): "Pico's View of Judicial Astrology"

*John Pauen* (Indiana University): "Certainty and Medieval Atomism: Nicholas of Autrecourt's Refutation of Aristotle"

*Brian W. Ogilvie* (University of Chicago): "Observation and Experience in Niccolò Leonicomo's Criticism of Ptolemy"

54. Works in Progress:

Nineteenth-Century American Science

Chair: *Sally Gregory Kohlstedt* (University of Minnesota)

*Daniel Goldstein* (Independent Scholar): "A Geographic Analysis of Mississippi Valley Scientific Societies, 1850-1890"

*Ronald Vanle* (Chicago Academy of Sciences): "American Science Visits the West: The 1868 Chicago Meeting of the AAAS"

*Robert H. Silliman* (Emory University): "Professional Rivalry: Lyell and the Rogers Brothers"

*Philip S. Shemmer* (Independent Scholar): "Ornaby Macknight Mitchell and the Electro-Chronograph"

*David M. Butt, Jr.* (University of Illinois): "Teachers and the Construction of Sewage in Sanitary Engineering"

55. Works in Progress: Physics, Experiment and Discovery

Chair: *Alexi Anson* (University of California, Berkeley)

*Gregory Swann* (Princeton University): "Rowland and the Struggle to Eliminate 'Ghosts' in Spectroscopy"

*Gina Hen* (Hails University, Mt. Carmel): "Hertz's Study of Propagation vs. Rutherford's Study of Structure: Two Modes of Experimentation and Their Theoretical Underpinnings"

*Hansheng Chang* (Harvard University), *Gerald Holton* (Harvard University), and *Edward Jarkowicz* (Dibner Institute, MIT): "Tracing the Genealogy of a Scientific Discovery"

*Edward Jarkowicz* (Dibner Institute for History of Science and Technology): "Mediating Between the Classical and the Quantum: The Exploration of Superconductivity and Superfluidity, 1933-1957"

*Xavier Riquelme* (University of Cambridge): "Taming the Positron: The Anomalous Absorption of a Gamma Ray"

56. Works in Progress: Topics in Eighteenth-Century Science

Chair: *Arthur Demman* (U.S. Merchant Marine Academy)

*Oliver Lagumbe* (Yale School of Medicine): "Of Ferments and Effluvia: Peter Shaw's Analysis of Scarborough Waters"

*Brad D. Hauer* (Indiana University): "Projecting the 'Moving Metropolis': Utility and the Native in Early American Natural History"

*Henry E. Lowood* (Stanford University Libraries) and *Robin E. Rider* (Stanford

University Libraries): "Scientific Academies and Publishing: Early Modern Models and Modulations"

*Alir Geper* (Harvard University): "Home and the World: Perceptions of Place in Early Modern Dutch and German Natural History"

*Lisa Downing* (University of Pennsylvania): "Berkeley's Challenge to Early Modern Dynamics"

57. Works in Progress: Topics in Science and Religion

Chair: TO BE NAMED

*Irving Kober* (University of St. Thomas): "Book of God / Book of Nature: Jewish Biblical Commentaries and Early Modern Cosmology"

*Fernando Vidal* (University of Geneva): "Resurrection as a Physico-Theological Problem from Boyle to Bonnet"

*John M. Effen* (Indiana University): "Science, Religion, and the Modernization of the Jews"

*David A. Reid* (University of Wisconsin): "Science and Dissent in the Unitarian Academies of Enlightenment Britain"

*Behrooz Ghahari-Tabrizi* (University of California, Santa Cruz): "Islamic Science or Muslim Scientist?"

58. Works in Progress:

Twentieth-Century Science and Society

Chair: *Lisa Robinson* (University of Michigan)

*Anthony N. Swartz* (Texas A&M University): "Farrington Daniels: Pioneer in the Use of Solar Energy as Appropriate Technology"

*Margaret Humphreys* (Duke University): "DDT and the Demise of Malaria in the U.S."

*Sharon Helof* (College of William and Mary): "Planning for Proper Disaster Behavior During Thermonuclear War: The National Research Council's Disaster Research Group"

*Ruth P. Liebowitz* (Harvard University): "Postwar Solar Physics: A Case Study of Military-Academic Connections"

*Jeffrey Allan Johnson* (Villanova University): "Effects of the Political-Economic Crisis in Germany on Academic-Industrial Relations in Chemistry, 1929-1936"

**Saturday, 15 October**  
3:30-5:35pm

**59. Romanticism in Life Sciences During the 19th Century**

Chair and Commentator: *Swair Strickland* (Northwestern University)

*Maureen McLane* (University of Chicago): "The Peculiar 'Triumph of Life' in Mary Shelley's 'Frankenstein': Romantic Discourses and the Discourse of Science"

*Cheryl Kramer* (University of Chicago): "Was it Romantic? The Romantic Retreat into the Madhouse"

*David Kahn* (Drew University): "Romanticism and Darwin: The Aesthetic Construction of a Scientific Theory"

*Robert J. Richards* (University of Chicago): "The Last Romantic: The Foundations of Ernst Haeckel's Evolutionary Thought"

**60. Making the Visual Visible: Current Issues in Visual Practice and Science Studies**

Chair and Commentator: *Naomi Oresky* (Dartmouth College)

*James Elkins* (Art Institute of Chicago): "Schemata of the Schema: Notes Toward a History of the Concept"

*Genevieve A. Bolton* (Harvard University): "Otto Neurath and ISOTOPE: Social Philosophy and the Program of a Universal Picture Language"

*David Kaiser* (Harvard University): "'Visual Languages,' Construction, and Science Studies: Dynamic Appropriations of Feynman Diagrams"

*Bruno Latour* (Ecole Nationale Supérieure des Mines): "Visualization, Reference, and Field Work in the Amazon"

**61. Boys to Men: Scientific Constructions of Masculinity Across the Life Cycle**

Chair: *Diana E. Long* (University of Southern Maine)

*Kathleen Jones* (Virginia Polytechnic Institute): "How to Be a 'Real Boy': The Child Guidance Version of Boyhood during the Depression"

*Heather Munro Prescott* (Central Connecticut State University): "'Young Men, You Are Normal': Developmental

Research and Theories of Masculinity at Harvard and Phillips Andover Academy, 1938-45"

*Alison Li* (University of Wisconsin): "The Hormones That Make the Man"  
Comment: *Diana E. Long*, *James Wong* (University of Toronto)

**62. Science and Politics in 19th-Century France**

Chair and Commentator: *Gerald Geison* (Princeton University)

*Antoine Poin* (Ecole des Ponts et Chaussées): "Saint-Simonianism and the Policy of Science"

*Bernadette Bensaude-Vincent* (Université Paris): "Towards the People's Control over Academic Science: François Raspail and Augustin Comte"

*Manthia Derris* (Deutsches Museum): "The Politics of Francisco Arago"

*Jean Elisabeth Pedersen* (University of Rochester): "Fixing the Family: Sex and Gender in Durkheimian Social Science"

**63. Eugenics, Religion, and Early Twentieth Century Culture**

Chair and Commentator: *William H. Schneider* (Indiana University)

*John M. Barman* (University of Virginia): "American Eugenics and the Liberal Clergy, 1920-1939"

*Mary Jane Ballou* (City University of New York): "Bestowing Painful Death: Eugenics and Euthanasia in the 1920s"

*Deborah Bayen* (Stanford University): "Eugenics as International Social Movement"

*Stephen Gartin* (Virginia Polytechnic Institute): "William H. Sheldon's 'Biological Humanics': The Aesthetics of the Somatype"

**64. Theoretical Physics, Theoretical Chemistry and Reductionism in the 'Golden Age' of the 30s**

Chair: *Jeffrey Ramsey* (Oregon State University)

*Diana Karsus Barkan* (California Institute of Technology): "Here, There, and Everywhere: The Varieties of Entropy"

*Norma Kwogy* (Indiana University): "Saving the Chemical Phenomena"

*Eric Scerri* (London School of Economics): "Early Contribution to Atomic Quantum Chemistry"

*Ana Siman* (Independent Scholar) and *Kostas Gavroglu* (National Technical University, Athens): "Rules vs. Theory: The Ambivalence of Chemists to Physics in the 1930s"

Comment: *Mary Jo Nye* (Oregon State University); *Fritz Rohrlich* (Syracuse University)

**65. Physico-Mathematics and the Cartesian Formative Experiences**

Chair: *Michael Mahoney* (Princeton University) and *Roger Ariew* (Virginia Polytechnic Institute)

*William Shea* (McGill University): "Descartes' Quest for Mathematical Wisdom"

*Imo Schneider* (University of Munich / Deutsches Museum): "Another Look at the Journalia of Descartes"

*Kenneth Manders* (University of Pittsburgh): "Descartes and Feilhaber"  
*Dennis Des Chene* (Cornell University):

"Boeckman, Descartes, and Physico-Mathematics"  
Comment: *Roger Ariew*

HSS LECTURE, 6:00-7:00 P.M.

RECEPTION, 7:00-8:00 P.M.

HSS BANQUET, 8:00-10:00 P.M.

**SUNDAY, 16 OCTOBER**

BOOK EXHIBIT, 9:00-12:00 NOON

**Sunday, 16 October**  
8:30-10:10am

**66. Panel: Writing Contemporary History of Science in the Field: The Historian as Ethnographer and Employer**

Chair: *Robert Smith* (Smithsonian Institution)

*Juan Brumby* (Independent Scholar)  
*M. Susan Linde* (University of Pennsylvania)

*Catherine Weisfeld* (Michigan State University); *Continuous Electron Beam*

Accelerator Facility, Newport News, Virginia)

*Robert Soedel* (Charles Babbage Institute)

67. Relativism, Social Constructivism, and the Contemporary Historiography of Science

Chair: *Linda Schiebinger* (Pennsylvania State University)

*Margaret C. Jacob* (New School for Social Research): "The Ideological Meanings of Modern Science from Boyle and Newton to the Postmodernists"

*Trevor Pinch* (Cornell University): "Relativism: Is It Worth the Candle?"

*Philip Kitcher* (University of California, San Diego): "How the Road to Relativism is Paved"

68. Weather, Climate and Culture: Early America and Victorian Britain

Chair: *James R. Fleming* (Colby College)

*Edward Gray* (Brown University): "Climate, Race and Ideology in the American Enlightenment"

*Katherine M. Anderson* (Northwestern University): "Providence and the Weather in Victorian Society"

*Guamir Goodley* (University of Oxford / University of Leeds): "Cosmos, Climate and Culture: Balfour Stewart and the Technologies of Universal Meteorology"

Comment: *Frank M. Turner* (Yale University); *Joe D. Buschfield* (Northern Illinois University)

69. The Uses of Desire: Eroticism in Knowledge-Making

Chair and Commentator: *Lisbet Kerner* (Harvard University)

*Mary Terrall* (Independent Scholar): "Desire, Active Matter and Female Readers: Masperlin's Theory of Generation"

*Michael Dettelbach* (Smith College): "Sparks of Desire: Galvanic Experimentation in Germany around 1800"

*Theodore M. Porter* (University of California, Los Angeles): "Karl Pearson's Wanderjahre: Desire, Renunciation, and Objectivity"

70. Science in the Federal State: Canada and Australia

Chair: *Susan E. Zeller* (Wilfrid Laurier University)

*Roy M. MacLeod* (University of Sydney): "Science and Nationhood: The Politics of Federalism in Australian Science, 1890-1914"

*Richard A. Jernell* (York University): "Institutions in Layers: Creating Scientific Institutions in Canada, 1885-1920"

*Yves Gingras* (Université du Québec à Montréal): "Why Canada Never Had a CAAS"

71. Inverts, Perverts, and Other Deviants Under the Medical Gaze

(Sponsored by Committee on Diversity and Committee on Women. Organized by *Vernon A. Rosario II*)

Chair: *Robert A. Nye* (University of Oklahoma)

*Alice D. Dreger* (Indiana University): "The Threat of the Hermaphrodite: The 'Problem' of Sexual Ambiguity in Nineteenth-Century France and England"

*Vernon A. Rosario II* (Harvard University): "Inversion's Histories/History's Inversions: Novelizing Homosexuality at the Fin-de-Siècle"

*Jennifer Terry* (Ohio State University): "The Seductive Power of Science in the Making of Deviant Subjectivities"

72. American Scientists and the Politics of Dissent in the Cold War

Chair: *Charles Wiener* (Massachusetts Institute of Technology)

*Jonika Wang* (National Air and Space Museum, Smithsonian Institution):

"Political Constraints and the Abandonment of Principle: Scientists' Organizations and Cold War America"

*Russell Okrusch* (Massachusetts Institute of Technology): "David Bohm's Cold War Exile"

*Peter Kaznick* (American University): "The Ethical and Political Crisis of Science: The AAAS Confronts the War in Vietnam"

Comment: *Alan D. Bryson* (Ohio State University)

73. Reflections on Early Modern Science in Honor of I. Bernard Cohen's 80th Birthday

Chair: *John Murdoch* (Harvard University)

*Domenico Bertolini Meli* (University of Cambridge): "The Leibniz...Clarke Correspondence"

*Alan Shapiro* (University of Minnesota): "The Acceptance of Newton's Theory of Color Before the Opticks"

*Richard S. Westfall* (Indiana University): "Passage and the Origins of Modern Science"

*Sunday, 16 October*  
10:30am-12:10pm

74. Works in Progress: History of Logic

Chair: *Helma Pyriö* (University of Wisconsin, Milwaukee)

*David J. Stump* (University of San Francisco): "The Invention of Controversy in Nineteenth Century Geometry by Twentieth Century Logicians: A Study in the Formation of a New Discipline"

*B. J. Copeland* (University of Canterbury): "A. N. Prior's Role in the Development of Temporal Logic and the Possible Worlds Semantics"

*Alan Richardson* (University of California, San Diego): "How Philosophy Became Logic: An Episode in 19th Century Scientific Philosophy"

*Berna Kiliç Eden* (University of Chicago): "The Frequentist Criticism of Psychologism"

*Janet Van Eise* (University of Waterloo): "Was Boole a Revolutionary?"

75. Works in Progress: Nineteenth-Century Physics

Chair: *Bruce Hunt* (University of Texas)

*Marie Trunpler* (Yale University): "A Reinterpretation of the Effect of Volta's Discovery of the Battery on the Galvani-Volta Debate"

*Julianne Tait* (Indiana University): "Big Sparks and Big Metaphors: Humphrey Davy and His Big Battery"

*Xiang Chen* (California Lutheran University): "The Popularity of

Humboldtian Science and the Longevity of the Particle-Wave Debate"

*Sungook Hong* (University of Toronto): "New Life for an Old Theory: Unresolved Differences between Thomson and Maxwell over Voltaic Contact Phenomena"

*Franz van Lameren* (University of Utrecht): "Force and Teleology in Victorian Physics"

76. Works in Progress: Research Schools, Networks and Clones

Chair: *John Soren* (Amherst College)  
*Randall Collins* (University of California, Riverside): "Godel and the Vienna Circle: Creative Centers and the Intersection of Intellectual Networks"

*Carolina Trótski* (Harvard University): "We the Monoliths: Encyclopedism in Interwar Europe"

*Dong-Won Kim* (Korea Advanced Institute of Science and Technology, KAIST): "The Emergence of Theoretical Physics in Japan: Japanese Physics Com-

munity Between the Two World Wars"  
*D. George Joseph* (Washington University): "Individual Success, Collective Failure: Neurophysiology at Washington University, 1918-1945"

77. Works in Progress: Science Serving the State

Chair: *Sylvia McGrew* (Stephen F. Austin State University)  
*Adrienne van den Bogaard* (Universiteit van Amsterdam): "Metaphors, Mathematics and Models of Economic Life: The Case of the Central Planning Bureau in the Netherlands"

*Guillaume de Syon* (Einstein Papers Project, Boston University): "Technology as a Tool of Science: The German Airship and Arctic Exploration 1907-1931"

*Elizabeth V. Heigh* (St. Mary's University, Nova Scotia): "Nationalism and Science: The Kievan Academy of Science in 1918"

*Tal Galán* (University of California, Berkeley): "Scientific Testimony: The Way

Frye Lins"

*Sheila Wain* (Clarkson University): "'Racial Education' Under the Swastika: The 'Practice' of Secondary School Biology, Geography and History Instruction in Prussia, 1930-1940"

78. Works in Progress: Topics in the Scientific Revolution

Chair: *Paula Findlen* (University of California, Davis)  
*H. Floris Gales* (University of Twente, Netherlands): "The Science of Music and the Scientific Revolution"

*William Yammone* (Indiana University): "The Origins of the Doctrine of Fermentation in Seventeenth-Century Science and Medicine"

*Peter McLaughlin* (University of Konstanz, Germany): "Spontaneous vs. Equivocal Generation in Early Modern Science"

*Katherine L. Hill* (University of Toronto): "Mathematics as a Tool for Social Change: Educational Reform in

## TRAVEL GRANT APPLICATION

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

TELEPHONE: \_\_\_\_\_

E-MAIL ADDRESS: \_\_\_\_\_

STATUS: \_\_\_\_\_

\_\_\_\_\_ Graduate Student

\_\_\_\_\_ Institution: \_\_\_\_\_

\_\_\_\_\_ Unaffiliated Scholar

\_\_\_\_\_ HSS Member

\_\_\_\_\_ Non-member

HSS ACTIVITY: \_\_\_\_\_

Paper presentation (Title and Session): \_\_\_\_\_

\_\_\_\_\_

HSS Committee (committee name): \_\_\_\_\_

HSS 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 Office, DR-05, University of Washington, Seattle, WA 98195, Fax (206) 685-9544, no later than 15 August 1994.

Please note that travel with an HSS Travel Grant requires that all reservations be made through Travel Concepts ((206) 575-0907 or 1-800-777-0907). Please call Travel Concepts to receive fare information. Call the HSS Executive Office at (206) 543-9366 for other questions concerning travel arrangements.

**Seventeenth-Century England\***

*Maria Rogge* (Virginia Polytechnic Institute and State University): "The Mythic World of Reason: Popular Science in German Culture ca.1687-1740"

*Flower Hsieh* (University of Chicago): "Ralph Ainslie and the Uses of an Orchard: Motivations in 17th-Century English Horticulture"

**79. Works in Progress: Disciplines, Power and Identity**

Chair: *Robert Marc Friedman* (University of California, San Diego)

*Nami Glau* (Harvard University): "Physics and Psychological Research in Victorian England: The Case of Sir Oliver Lodge"

*Sarah K. A. Pfattheicher* (University of Wisconsin): "Defining Responsibilities: Authority Versus Liability in the American Engineering Profession Since 1877"

*Mark T. Hamel* (University of Pennsylvania): "The 'Little Things in Life': Controlled Animal Feeding Experiments, Non-Reductive Theories, and 'Biological Analysis in Nutrition Research 1890-1950'"

*Trena Hopper* (Princeton University): "Science at the Boundaries: Discipline Building and Community Making in Nuclear Physics and Radiochemistry, 1918-1939"

*Sergio Simons* (Queen's University, Canada): "Mapping Biology: On the Reification of Inquiry"

*Merry Meier* (University of California, San Diego): "From Climatology to Climate Dynamics: The Development of a Computational Science"

**OSIRIS UPDATE**

The HSS Publications Committee has appointed Joseph Duchon of Lehman College and the City University of New York to a five-year position on the *Osiris* Board of Advisory Editors, replacing Ruth Gowan, who has completed her term.

Current projections are: volume 9 on scientific instruments is at the University of Chicago Press and will be out late in summer 1994; volume 10 on critical issues in the history of science and technology is being copy-edited by Francis Kohler and will be out in summer 1995; volume 11 on the field of sciences, guest edited by Hrosvika Kublick and Robert Kohler, will appear in 1996; and volume 12 on gender and science, to be co-edited by Helen Longino and Sally Gregory Kohlstedt of the University of Minnesota, is scheduled for 1997.

Therefore, the *Osiris* Advisory Board would like to consider at its next annual meeting in New Orleans in October 1994 proposals for thematic volume 13, to appear in 1998. Anyone interested in guest-editing such a volume should submit a 3-6 page proposal containing a justification of the suitability of the topic; an explanation of the qualifications of the guest editor(s); a list of 10-14 possible contributors and their subjects; and a rough timetable culminating in submission of the final versions of the papers to the

copyeditor in the fall of 1997. Proposals should be sent to Prof. Margaret W. Rossiter, *Osiris* Editor, Department of Science and Technology Studies, Cornell University, 726 University Ave., #201, Ithaca, NY 14853 USA by 10 September 1994.

**RESEARCH OPPORTUNITIES**

The National Endowment for the Humanities Reference Materials Program supports projects to prepare reference works that will improve access to information and resources. Support is available for the creation of dictionaries, historical or linguistic atlases, encyclopedias, concordances, reference grammars, databases, textbases, and other projects that will provide essential scholarly tools for the advancement of research or for general reference purposes. Grants also may support projects that will assist scholars and researchers to locate information about humanities documentation. Such projects result in scholarly guides that allow researchers to determine the usefulness or relevance of specific materials for their work. Eligible for support are such projects as bibliographies, bibliographical databases, catalogues raisonnés, other descriptive catalogues, indexes, union lists, and other guides to materials in the

humanities. In both areas, support is also available for projects that address important issues related to the design or accessibility of reference works. The application deadline is 15 September 1994 for projects beginning after 1 July 1995. For more information write to: Reference Material, Room 318, NEH, Washington, DC 20506.

**RECENTLY COMPLETED DISSERTATIONS**

*Jeffrey C. Brautigam*, "Inventing Biometry, Inventing 'Man': Biometrika and the Transformation of the Human Sciences," University of Florida, 1993

*Stephen J. Gross*, "Designs for Living: Lawrence K. Frank and the Progressive Legacy in American Social Science," The Johns Hopkins University, 1994.

*Roy Scott Sheffield*, "The Tragic Science of Leo Szilard," University of Florida, 1993.

*Ana Simoes*, "Converging Trajectories, Diverging Traditions: Chemical Bond, Valence, Quantum Mechanics and Chemistry, 1927-1937," University of Maryland at College Park, 1993.

## HSS/4S/PSA Annual Meeting 13-16 October 1994 Clarion Hotel, New Orleans, Louisiana

### CONFERENCE REGISTRATION FORM

Please complete this form and return with check or money order by 2 September 1994 to avoid late fee to History of Science Society, Attn: HSS Conference, University of Washington, DR-05, Seattle, WA 98195, USA. Phone: (206) 543-9366; Fax: (206) 685-9544.

**Society Membership(s):**

- PSA  
 HSS  
 4S

**Primary Society Affiliation:**

- PSA  
 HSS  
 4S

 Non-member of Societies

 Exhibitor

Name \_\_\_\_\_

Institution \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Country \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail \_\_\_\_\_

**PRE-REGISTRATION (Deadline is 2 September 1994)**

		No.	Subtotal
PSA (Registration \$55.00; Volume PSA 1994 \$10.00)	\$65.00	_____	_____
HSS	\$55.00	_____	_____
4S	\$55.00	_____	_____
Non-Member	\$75.00	_____	_____
Senior Student, un- and underemployed	\$90.00	_____	_____
Extra volume(s) of PSA 1994	\$10.00 each	_____	_____
4S Banquet—Friday, 14 October (please select meal choice):	\$25.00	_____	_____
Chicken _____ Seafood _____ Vegetarian _____			
HSS Banquet—Saturday, 15 October (please select meal choice):	\$25.00	_____	_____
Chicken _____ Seafood _____ Vegetarian _____			

**LATE REGISTRATION (After 2 September 1994)**

4S	\$70.00	_____	_____
HSS	\$70.00	_____	_____
PSA	\$80.00	_____	_____
Non-Member	\$90.00	_____	_____

**TOTAL OF ALL CHARGES:**

Please make checks payable (in U.S. dollars) to the *History of Science Society*. (Credit cards and purchase orders not accepted.)

## HSS/4S/PSA Annual Meeting 13-16 October 1994 Clarion Hotel, New Orleans, Louisiana

### HOTEL REGISTRATION FORM

Please complete this form and return with deposit before 2 September 1994 to the Clarion Hotel, Attn: Reservations, 1500 Canal Street, New Orleans, Louisiana 70122-9990.  
Phone: 1-800-824-3359; Fax: (504) 522-3627.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

Telephone \_\_\_\_\_

Arrival Date (Check in time 3:00 p.m.) \_\_\_\_\_

Departure Date (Check out time 12:00 noon) \_\_\_\_\_

Late Arrival (Date and Time) \_\_\_\_\_

Space will be available at the Clarion Hotel on a first-come/first-serve basis. No reservations will be accepted without a credit card guarantee or a check for the equivalent of one night's room charge. No cash please. Please make checks payable to the Clarion Hotel.

### ROOM CHOICE (Please check):

Single or Double Occupancy \$95.00 \_\_\_\_\_

Triple or Quad Occupancy \$108.00 \_\_\_\_\_

If double, triple or quad occupancy, please list names of additional person(s) sharing room: \_\_\_\_\_

### GRADUATE STUDENTS

Double Occupancy Only \$74.00 \_\_\_\_\_

Name of person sharing room: \_\_\_\_\_

NOTE: Must be a graduate student to register for graduate student rate. Because of the limited number of rooms available at the Graduate Student Rate, graduate students sharing a room will receive priority.

### METHOD OF PAYMENT

Check \_\_\_\_\_ (enclosed, in U.S. dollars)

Credit Card: Amex \_\_\_\_\_ Visa \_\_\_\_\_ Mastercard \_\_\_\_\_

Credit Card No. \_\_\_\_\_

Expiration Date: \_\_\_\_\_

Signature/Date: \_\_\_\_\_

## AWARDS, HONORS & APPOINTMENTS

J. A. Bennett, Curator of the Whipple Museum of the History of Science, Cambridge, had been appointed Keeper of the Museum of the History of Science, Oxford. He will take up the post on 1 October 1994, following the retirement of F. R. Maddison.

David Cahas, University of Nebraska Lincoln, has been promoted to Professor of History, effective August 1994. He has also been appointed Visiting Professor and Co-Director of the Institut für Wissenschaftsgeschichte at the Universität Göttingen for the Summer semester 1994.

Matias Díezies, German Museum, is the co-winner of the Paul-Bunge-Preis of the Hans R. Jenemann Foundation for his work on "hysteresis and after-effects" in 19th century's physics and physical chemistry and for his work on "precision of balances and spectrometers."

Krishna R. Dronamraju of the Foundation for Genetic Research, has been named Honorary Research Fellow by the University College London.

Mirko D. Grmek, France, has been elected to the American Academy of Arts and Sciences, History and Archeology sections.

Jerome A. Halperin, Executive Director of the United States Pharmacopoeial Convention, Inc. had been appointed to serve as the first American Association of Pharmaceutical Scientists representative on the American Institute of the History of Pharmacy Council.

Marcus Hellyer of the University of California, San Diego, won the prize for the best graduate student paper at the 1993 meeting of the West Coast History of Science Society. His paper was entitled "The Pocket Museum: Edward Lhwyd's 'Lithophylacium.'"

Frederic L. Holmes, Yale University, has been elected to the American Academy of Arts and Sciences, History and Archeology sections.

James Lattin, University of Wisconsin-Madison, has been awarded a 1994-95 Rome prize by The American Academy in Rome for his research on medieval and early modern geocentric cosmologies.

William M. McBride (James Madison University) has been awarded the Society of Historians of the Gilded Age and Progressive Era Biennial Prize for his article, "Strategic Determinism in Technology Selection: The Electric Battleship and U.S. naval-Industrial Relations."

David Oldroyd, Associate Professor of the School of Science and Technology at the University of New South Wales, has been awarded the Sir Tyler Friedman Medal of the Geological Society for his "distinguished contributions to the recording of the history of geology." The medal was presented to Professor Oldroyd at a ceremony in London on June 8th.

Katherine Pandora has been awarded an Andrew W. Mellon Foundation Postdoctoral Fellowship at the University of Oklahoma for 1994-1995.

John Parascandola, Historian for the U.S. Health Service, has been named to receive the 1994 George Urdang Medal of the American Institute of the History of Pharmacy for his book, *The Development of American Pharmacology: John J. Abel and the Shaping of a Discipline*.

E. Robert Paul, Professor of the History of Science at Dickinson College, has been appointed 'Joseph Priestly Professor of the History of Science' beginning July 1994.

Robin E. Rider began her term as President of the West Coast History of Science Society in May. She will be assisted by Mary Ternall who was selected as president-elect.

Martin Rudwick has been appointed Turner Lecturer for 1994-97 at Trinity College, University of Cambridge. He has also been awarded a National Science Foundation Scholar's Award for 1994-97,

for research on "The reconstruction of recent earth history."

Robert W. Seidel has been appointed Director of the Charles Babbage Institute for the History of Information Processing and ERA Land-Grant College Chair in the History of Technology at the University of Minnesota.

Heinz Otto Sibum, Cambridge, is the co-winner of the Paul-Bunge-Prize of the Hans R. Jersmann Foundation for his scientific historical studies on mechanical heat equivalents in the main frame of studies on most precise instruments in the early Victorian England.

Ana Simoes has been appointed Assistant Professor at the Physics Department of the University of Lisbon, Portugal.

Phillip R. Sloan, Professor, Program of Liberal Studies, University of Notre Dame, has been appointed new director of the Notre Dame Program in the History and Philosophy of Science, effective September 1994.

Patricia H. Smith, Assistant Professor of History at Pomona College, has been selected as a fellow at the Wissenschaftskolleg in Berlin for 1994-95.

Marc Swetlitz has been appointed Visiting Assistant Professor of the History of Science at the University of Oklahoma for the 1994-1995 academic year.

Katherine Whalen of the University of California, Davis won the prize for the best graduate paper at the recent meeting of the West Coast History of Science Society. Her paper was entitled "Robert Boyle, Experimental Writing and Agricultural Literature."

The Dudley Observatory has announced its 1994 winners of the Herbert C. Pollock Award for supporting proposed projects in the history of astronomy and astrophysics. The current winners and their projects are:

Pollock Award: Joane Eisenberg, *Beatrix Tinsley - A Scientific Biography*, Dudley Pollock Award: Ian R. Bartky, *Archives of the True Time: American Observatories in the Nineteenth Century* and James A. Voelkel, *Translation of the Complete Kepler-Fabrizius Correspondence*. The top award is \$10,000. The Secondary awards total \$8,000.

The Stannard Award selection committee is pleased to announce that its 1994 award has been divided between two contestants:

Maren Hellwig, Ph.D., Göttingen, for her paper "Paradieskücher (Aframomum melegueta (Roscoe) K. Schum.) — ein Gewürz aus Westafrika im frühneuzeitlichen Göttingen" [Grains of paradise . . . A Spice from West Africa in early modern Göttingen].

Walter O. Schalick III (Ph.D. candidate, The Johns Hopkins University), for his paper entitled "Add one part pharmacy to one part medicine: Apothecaries and the medical faculty in thirteenth-century Paris."

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## PRIZE COMPETITIONS

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The Eileen Baker Memorial Prize was established by the Society for Medical Anthropology to promote superior research in the area of Gender and Health. The award is made annually, in memory of Eileen Baker, to scholars from any discipline or nation, for a finished work (book, article, film, exceptional Ph.D. thesis) produced within the preceding three years. Past winners include Emily Martin for *The Woman in the Body*, Joan Jacobs Blumberg for *Fasting Girls*, Faye Ginsberg for *Conceded Lives: The Abortion Debate in an American Community*, Nancy Scheper-Hughes for *Death Without Weeping*, Barbara Duden for *The Woman Beneath the Skin*, and Margaret Lock for *Encounters with Aging: Mythologies of Menopause in Japan and North America*.

Individuals must be nominated for this award by a person who can verify the impact of this particular work on the field. Self-nomination is not permitted, and works submitted without an accompanying letter of nomination cannot be considered. The \$1,000.00 will be given at the annual business meeting of the Society for Medical Anthropology during the annual meetings of the American Anthropological Association. The recipient will be asked to attend the meeting to receive the award.

A letter of nomination with three copies of the finished work should have been sent by 1 July 1994, to Lynn M. Morgan, Chair, Eileen Tucker Memorial Award, Department of Sociology and Anthropology, Mount Holyoke College, South Hadley, MA 01075.

The American Association for the Advancement of Science (AAAS) invites nominations for the AAAS Award for Public Understanding of Science and Technology. This annual Award recognizes scientists and engineers who make outstanding contributions to the popularizations of science, but are not members of the working media. The Award will be presented during the AAAS Annual Meeting in Atlanta GA, 16-21 February 1995.

AAAS also invites nominations for the 1994 AAAS Philip Hauge Abelson Prize.

The prize is awarded annually either to a public servant, in recognition of sustained exceptional contributions to advancing science, or to a scientist whose career has been distinguished both for scientific achievement and for other notable services to the scientific community. This annual award was established in 1985 by the AAAS Board of Directors and consists of a plaque and \$2,500.

Both prizes will be presented at the AAAS Annual Meeting in Atlanta, Georgia, February 16-21, 1995. Nominations for both awards are due 1 August 1994. Each nomination must be seconded by at least two other AAAS members. The winner will be selected by a seven-member judging panel. For more information about these awards, or other awards and prizes offered by AAAS, write to: Awards Coordinator, Office of Development, American Association for the Advancement of Science, 1335 H Street, NW, Room 1146, Washington, DC 20005.

The Department of History at the University of Kansas announces the 1995 competition for the annual award in honor of the late Professor Jerry Stannard. The purpose of the award is to encourage research by young scholars in the fields that Professor Stannard made his own: Namely, the history of *medicinal botany*, *pharmacy*, and *folklore*

of drug therapy before the year 1700.

Each year a cash award will be made to the author of an outstanding published or unpublished scholarly study in those fields. In 1995, the award will be \$250.

The competition is open to graduate students and to recent recipients of a doctoral degree (the Ph.D. or equivalent), conferred not more than three years before the competition deadline.

Manuscripts must be in English, French, or German. Only one paper by any author may be submitted in any given year. Each entry should be typewritten, double-spaced, and no longer than 50 pages, including notes, bibliography, and appendix. Entrants should keep copies of their manuscripts, since manuscripts submitted will not be returned.

Each manuscript must be accompanied by the following: (a) a one-page abstract of the paper in English; (b) a current curriculum vitae of the author; and (c) a letter of recommendation from an established scholar in the field.

Entries must be received no later than 14 February 1995. The award will be announced on or about 15 May 1995.

All manuscripts and correspondence should be addressed to: The Stannard Award Committee, Department of History, Wexcoe Hall 3001, The University of Kansas, Lawrence, Kansas 66045-2130 USA.

## PUBLICATIONS

*Rethinking Objectivity*, by Alan Megill, University of Virginia, a corrected reprint, with index, of articles originally published in *Annals of Scholarship* in late 1992 is available from Duke University Press. The work contains essays by Barnes, Davton, Keller, Porter, Pickering, and others. "There is no better testament than Allan Megill's *Rethinking Objectivity* to the current interdisciplinary diversity and vigor of academic interest in the topic," Steve Shapin, UCSD. "An exciting book that fills a gap in the study of science!" Karin Knorr-Cetina, Bielefeld. The book is available in paper (ISBN 0-8223-1494-0)

for \$15.95 and in cloth (ISBN 0-8223-1479-7) for \$45.95.

The Technical Information Service of the American Association of Museums is pleased to announce the release of a new publication entitled *A Bibliography on History-Making*. Published in cooperation with the Center on History-Making in America at Indiana University, this unique reference lists over 300 titles addressing the many ways people understand and use their past(s). The bibliography also features sixty detailed annotations of works, contributed by eleven history scholars and practitioners.

To obtain an order form, contact American Association of Museums, 1225 Eye Street Northwest, Washington, DC 20005.

Varietum announces 5 new Collected Studies Series, they are: *Chemists and Chemistry in Nature and Society, 1770-1878*, by Trevor H. Levere; *Science and Society: Historical Essays on the Relations of Science, Technology and Medicine*, by Rupert Hall; *Books, the Schools and the Compensum*, by Charles W. Jones, edited by Wesley M. Stevens; *Islamic Astronomy and Medieval Spain*, by Julio Sarrac; and *Optics, Astronomy and Logic: Studies in Arabic Science and Philosophy*, by A. I. Sabra.

Variorum also announces the publication of a new book, *Astronomy in the Service of Islam*, written by David A. King, Chair for History of Science at the Johann Wolfgang Goethe University, and Director of the Institute for the History of Science at Frankfurt am Main. Based on previously unstudied sources, the articles in this volume explain 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 towards the Kaaba in Mecca.

For more information or to receive your review copy, contact Variorum, Old Post Road, Brookfield, VT 05036; Tel. (802) 276-5162; Fax (802) 276-5837.

Marcel Dekker, Inc. has available two works by Lois N. Myster which trace the development of scientific concepts, they are: *A History of the Life Sciences, second edition*, and *A History of Medicine*. For more information contact: Promotion

Dept., Marcel Dekker, Inc., 270 Madison Avenue, New York, NY 10016; or call toll-free 1 (800) 228-1160 or Fax (914) 796-1772.

Duckworth Publishers announces publication of Alistair Crombie's *Styles of Scientific Thinking in the European Tradition*. For a brochure and ordering information contact: Duckworth, 48 Hoxton Square, London N1 6PB, U.K. Telephone: (071) 729-5986, Fax: (071) 729-0015.

Copies of *The "Racial" Economy of Science: Toward a Democratic Future*, edited by Sandra Harding, are now available for examination and course adoption. In this collection, historians, sociologists, anthropologists, philosophers, political theorists, and scientists link the sciences firmly to local, national, and international projects of making and remaking democracy. Issues examined include a critical reevaluation of the sciences of pre-modern high cultures of

China, Africa, and the Andes; disputes over science's legitimation of culturally approved definitions of race difference, from craniology to the measurement of IQ; discrimination against people of color in Western science; how to overcome the dependency of Third World scientific research on First World scientific agendas; race and imperialism issues in such scientific technologies and applications as health and reproduction, the Tuskegee syphilis experiments, developmental agriculture and applied biology in the Third World; environmental racism and environmental crises in developing countries; questions of values, objectivity, method, and nature in sciences; and a final section envisioning programs for creating sciences for a democratic world community.

Order information for this publication may be obtained by writing to Indiana University Press, Textbook Department, 601 North Morton Street, Bloomington, IN 47404-3797.

### GUIDE to the History of Science Update

Plans are underway to update the 1992 HSS Guide. The updated version will be a Directory of Members. It will not include the Guide to the Profession or other indexes. Please fill out the form below if you have not already done so, listing the requested information as you would like it to appear in the updated Guide. (Please print):

Last Name: \_\_\_\_\_ First/Middle Name: \_\_\_\_\_

Position Title: \_\_\_\_\_

Office Address: \_\_\_\_\_

\_\_\_\_\_

Office Telephone: ( ) \_\_\_\_\_

Office Fax: ( ) \_\_\_\_\_

E-mail address: \_\_\_\_\_

\_\_\_\_\_

Home Address: \_\_\_\_\_

\_\_\_\_\_

Home Telephone: ( ) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

My preferred mailing address is:

\_\_\_\_\_ Office Address

\_\_\_\_\_ Home Address

NOTE: This will be the last solicitation for directory listing information to be included in the 1995 edition of the HSS Guide.

## FUTURE MEETINGS AND CALL FOR PAPERS

The Division of the History of Physics of the German Physical Society, the Interdivisional Group on History of Physics of the European Physical Society, and the Commission on the History of Modern Physics of the IUHPS-DHS announce a conference on the Emergence of Modern Physics to be held in Berlin, 20-24 March 1995. The joint three-day conference will commemorate the centenary of the fundamental discoveries in experimental physics (X-rays, Zeeman effect, radioactivity, the electron) and the debates surrounding them that opened up and shaped modern physics. The conference will take place in Berlin in conjunction with the annual meeting of the German Physical Society celebrating the 150th anniversary of its founding. The languages of the conference will be English and German.

If you are interested in contributing a paper please send a short abstract and/or apply to one of the organizers by 1 September 1994: Dieter Hoffmann, Forschungszentrum Wissenschaftsgeschichte, Jägerstraße 10/11, D-10117 Berlin; Tel. +49(0)30/20192-164; Fax +49(0)30/20192-154, -162; Fabio Bevilacqua, Dipartimento di Fisica "A.Volta", Università di Pavia, Via Bassi 6, I-27100 Pavia; Tel. +39(0)382-507495; Fax +39(0)382/507563; Roger Stuewer, School of Physics and Astronomy, University of Minnesota, 116 Church Street SE, Minneapolis, MN 55455, USA; Tel. +1 (612) 624-8075; Fax +1 (612) 624-4578.

The American Association for the History of Medicine announces a call for papers for its 1995 annual meeting. The meeting will be held on the University of Pittsburgh campus, 11-14 May 1995. Any subject in the history of medicine is suitable for presentation, but the paper must represent original work not already published or in press. Presentations are limited to twenty minutes. Because the *Bulletin of the History of Medicine* is the official journal of the AAHM, the Association encourages speakers to make their

manuscripts available for consideration by the *Bulletin* upon request.

Abstracts must be typed single-spaces on one sheet of paper, and must not exceed 300-500 words in length. They should embody not merely a statement of research question, but findings and conclusions sufficient to allow assessment by the Program Committee. The following biographical information is also required: Name, title (occupation), present institutional affiliation, if any, preferred mailing address and work and home telephone numbers.

As in the past, the 1995 program will include lunch-time roundtable workshops and poster sessions. Proposals for entire sessions (three papers) may be submitted, but each abstract will be judged and accepted on its own merits. Those wishing to submit for these sessions should follow the instructions given above.

Any person interested in presenting a paper at this meeting is invited to submit an abstract (one original and six copies) to the Chair of the Program Committee, Dr. Mary Lindemann, History Department, Carnegie Mellon University, Pittsburgh, PA 15213. Abstracts must be received by 15 October 1994 (no faxes please). Individuals interested in receiving registration information for this meeting should contact the Local Arrangements Chair, Dr. Jonathan Erlen, 123 Northview Drive, Pittsburgh, PA 15209.

The National Coalition of Independent Scholars will hold its second annual conference, *Independent Scholars: Finding an Audience*, at Mills College, Oakland, California on 21-23 October 1994. For registration and program information, write NCIS, Box 5743, Berkeley, CA 94705.

The VIII Biennial Congress of the Society for Philosophy and Technology will be held on 8-11 June 1995 at Hofstra University, Hempstead, New York. The general topic of the Congress is "Technology: The City and the Suburb," but

papers on other topics relevant to philosophy and technology, broadly conceived, are also welcome. Papers may be submitted in either English or Spanish, and will be blind reviewed. They should include a 100-word abstract and may be submitted in three categories: Symposium Papers: presentation time 30 minutes (4000 words); Working Papers: presentation time 15 minutes (2000 words); or Poster Sessions. Deadline for submission is 1 September 1994. Submissions may be sent to SPT Vice-President José Sanmartín: INVESCIT - University of Valencia, Apartado 5228, 46009 Valencia, SPAIN. Fax (Spain) + (6) 3864437, or email Sanmartin@valan11.bitnet.

The Dutch association The XVIIth Century is preparing, in cooperation with the Foundation Hofwijck (Voorburg) and the Boerhaave Museum (Leiden) and international and interdisciplinary congress on the occasion of the tercentenary of Christiaan Huygens. The congress will be held 7-9 July 1995 on historical sites in Voorburg and at the Boerhaave Museum in Leiden. An honorary committee is formed by Hendrik Casimir (Haarlem) and René Taton (Paris). There will be plenary lectures of John North (Groningen) and Jean Dhombres (Paris, Nantes) on Huygen's position in the intellectual life of Holland and France in the second half of the XVIIth century. These lectures are followed by three series of parallel sessions of which at least one carries a definite international character.

Among the speakers will feature Kees Andriess (Utrecht), Michael Rath (Braunschweig), Michel Blay (Paris), Henk Bos (Utrecht), Robert Halleux (Lüttich), André Wiggeler Smeets (Groningen), and Joella Yoder (Renton, WA (USA)).

The plenary lectures and the Dutch papers will appear in the journal of the association. The English, French, and German contributions will be edited separately. Papers are invited either for the congress or only for the international

commemorative volume before 1 December 1994.

For more information, contact Henk Kubbings, University of Groningen, Faculty of Philosophy, A-weg 30, NL-9718 CW Groningen, The Netherlands.

The University of Minnesota announces a call for papers for a conference to be held on 12-14 May 1995 entitled *The Women and Gender in Science Question: What do Research on Women and Science and Research on Science and Gender have to do with Each Other?* This conference will bring together historians, philosophers, sociologists and others interested in current research on women and gender in science. Presenters will include scholars who recognize that women have engaged in science and technology throughout history and seek to understand how women's participation has been undertaken and understood, promoted and discouraged, envisioned and realized. It will also involve those who explore how women's absence and the dominance of men in science has had an impact on the processes and outcomes of scientific experimentation and theorizing.

Conference themes include such topics as women's participation in science; the personal and external factors that empowered them or inhibited their achievements and satisfaction in science; characteristics and processes of scientific activities that have been influenced by ideas about sexual identity, sexual difference, and the language and characteristics of science; the representations of males, females, and sexuality in scientific theory; the roles of gender images and metaphors in scientific theorizing; and the relationship between gender and conceptions of knowledge.

Conference commentators and respondents who have agreed to attend include: Pinar Abir-Am, Sandra Harding, Evelyn Fox Keller, Sally Gregory Kohlstedt, Helen Longino, Karen Sawhore Lewis, Carolyn Merchant, Margaret W. Rossiter, Londa Schiebinger, Sharon Trawick, and Alison Wylie. The conference is supported by the Science and Technology Studies Program, the Women in Science and Engineering

Initiative of the Commission on Women, the Center for Advanced Feminist Studies, and several other departments at the University of Minnesota.

Proposals must include two copies of a two-page abstract and a short curriculum vitae. Proposals may be submitted to be presented as a panel. An abstract and vitae are required for each panel member. Proposals are due by 10 September 1994. Send proposal to: Women and Gender in Science Conference, Professional Development and Conference Services, University of Minnesota, 218 Noble Center, 315 Pillsbury Drive SE, Minneapolis, Minnesota 55455-0139. If you have any questions please contact Lori Graven at (612) 625-9023, Fax (612) 626-1632, email lgraven@troutson.cc.umn.edu. Further information about registration will be available after 1 January 1995. The University of Minnesota is an equal opportunity educator and employer.

The Renaissance Society of America's 1995 Annual Meeting will be hosted by the National Office 30 March -2 April 1995 in New York City. The Bennett Lecturer will be John O'Malley, Weston School of Theology. Contact Laura Schwartz at the RSA office, Telephone (212) 99803797; fax (212) 995-4205; or write RSA, 24 West 12th Street, New York, NY 10011.

The Renaissance Studies Department of Indiana University will host The Renaissance Society of America's 1996 Annual Meeting in Bloomington, Indiana on Thursday, Friday, Saturday, Sunday, 18-21 April 1996. The Josephine Waters Bennett lecturer will be Janet Coe-Rearick (Hunter College, CUNY).

The Program Committee invites abstracts for papers on all subjects in Renaissance Studies, as well as proposals for panels.

Send abstracts and proposals to Giancarlo Majorino, Director, RSA Program Committee, Renaissance Studies, Indiana University, Ballantine Hall 402, Bloomington, IN 47405; phone (812)

855-7070; fax (812) 855-2688. Deadline for submissions: 15 March 1995.

The 38th Annual Missouri Valley History Conference will be held in Omaha, Nebraska, 9-11 March 1995. Proposals for papers and sessions in all areas of History are welcome. Such proposals, accompanied with one-page abstract and vitae, should be sent by 15 October 1994. Contact: Dale Gaeddert, Chair MVHC, University of Nebraska at Omaha, Omaha, Nebraska 68182.

Henry Steffens and Paul Thoerman have organized a CoE workshop titled "Using Audio-Visual Materials to Teach the History of Science" for the October, 1994 meeting of the HSS at New Orleans. Janet Capshaw (Indiana University) will discuss "Learning from Frankenstein in Words and Pictures." Rima Apple (University of Wisconsin) will speak on "Science and Gender as Portrayal on Television." Bill Leonard (National Library of Medicine) will describe his work on "Bringing Archives into the Classroom Via Video Disk." Henry Steffens (University of Vermont) will discuss and demonstrate West Publishing Company's activities in "Integrating Texts and Laser Disk to Teach History."

The Observatoire de Paris will present a colloquium entitled, "Histoire et Actualité de la Cosmologie," on 12-16 September 1994. For more information contact: J.P. Verdet, Danoel, Observatoire de Paris, 61 av.de l'Observatoire, 75014 Paris, FRANCE.

An interdisciplinary colloquium on all aspects of the career of John Dee is to be held at the University of London in April 1995. The purpose of the conference is to reappraise the position of John Dee in intellectual history, and to reflect new directions in Dee studies since the work of Frances Yates and Peter French in the 1970s. There will be a keynote address, Professor Nicholas Chyler, and speakers have already been invited from Hungary, Greece and Italy. Proposals for papers on

any aspect of Doe's work should be sent to Dr. Stephen Clucas, Birkbeck College, University of London, 43 Gordon Square, London, WC1 0PD. Telephone: 071-631 6253.

#### ALSO NOTED:

The Thomas Jefferson Program in Public Policy and the School of Marine Science/Virginia Institute of Marine Science, in cooperation with the Marshall-Wythe School of Law, have organized a conference, "Environmental Policy and the Role of the University." The two-day conference was held on campus on Thursday and Friday, 7-8 April 1994. Through a series of five sessions, questions

were raised about: the current role of the university in environmental policy-making, private sector linkages, case studies (including the Chesapeake Bay), and prospects for a changing relationship between academia and environmental policy-makers. The conference brought to campus over twenty speakers from academic, corporate, and public policy arenas to discuss this interesting and timely topic. For more information contact: The College of William & Mary, The Thomas Jefferson Program in Public Policy, P.O. Box 8795, Williamsburg, VA 23187-8795. Telephone (804) 221-2368; Fax (804) 221-2390.

The Officers of the National Academy of

Sciences (NAS), National Academy of Engineering, and Institute of Medicine held a convocation on responsible conduct in science, Convocation on Scientific Conduct. Participants examined current efforts of the government, universities, and the scientific community to encourage responsible scientific conduct and identify strategies to maintain high ethical standards in the future. The meeting was held, free of charge, in the NAS Auditorium, on 2-3 May 1994. For more information contact Scott Spaulding, Room NAS 352, National Academy of Sciences, 2101 Constitution Avenue, NW, Washington DC 20418. Telephone (202) 334-2233; Fax (202) 334-1687; email SSpauld@NAS.EDU.

## FELLOWSHIPS & GRANTS AVAILABLE

For 20 years, The Robert Wood Johnson Foundation Clinical Scholars Program has provided physicians who are committed to clinical medicine with the opportunity to acquire new skills and training so as better to understand medical care systems.

In 1993, the Clinical Scholars Program was opened for new competition, and among the new sites is the University of Michigan. There, one focus will be on the social and cultural relations of medicine and society, including the history of medicine and science. Key faculty in that area at the University of Michigan include W. Andrew Achenbaum, Joel D. Howell, Michael P. MacDonald, Howard Markel, Regina Morantz-Sanchez, Martin S. Pernick, and Nicholas H. Steneck.

During the two-year program, scholars design a curriculum that meets their specific needs. They are also expected to conduct independent research. Candidates must be physicians who plan to complete the clinical requirements of residency training by the date of entry into the program and who are U.S. citizens. The application process begins approximately 18 months before successful candidates will begin their term as clinical scholars. For additional information about opportunities

for studying the history of science and medicine at the University of Michigan Robert Wood Johnson Clinical Scholars Program, please contact the Program by phone at 313-747-4844, by electronic mail at RWJCS@UMICH.EDU, or by traditional surface mail at Clinical Scholars Program, University of Michigan, 3116 Tausman Center, 1500 E. Medical Center Drive, Ann Arbor, Michigan 48109-0376.

The Bakken: A Library and Museum of Electricity in Life announces the availability of Visiting Research Fellowships for the purpose of facilitating scholarly research in The Bakken's collections. The stipend is a maximum of \$1,300.00 and is to be used for travel, subsistence, and other direct costs of conducting research at The Bakken. The grants are open to all serious researchers and applications may be submitted at any time.

The Bakken collections include approximately 10,000 books, bound journals, and manuscripts, and close to 2,000 instruments and machines. The focus of the collection is on the historical role of electricity and magnetism in the life sciences and medicine. Significant holdings include the writings of Nollet,

Franklin, Galvani, Aldini, Volta, Duchenne, and Du Bois Reymond, and extensive runs of journals such as the *Philosophical Magazine*, the *Opuscoli Scelti*, and the *Annales der Physik*. Also included are some important early works of science and medicine dealing with magnetism and magnetic cures, acupuncture, anatomy, and physiology. Special collections include manuscripts on mesmerism and animal magnetism, 19th-century ephemera concerning alternative electro-medical therapies, miscellaneous scientist's letters, and trade catalogues. The trade catalogues, ephemera, and books contain a wealth of visual imagery that is supplemented by a collection of prints, portraits, photographs, realia, and other works of art. The instrument collection includes electrostatic generators, magneto-electric generators, induction coils, physiological instruments, recording devices, and accessories.

For more information on the Bakken's holdings and Visiting Research Fellowships, write to: David J. Rhoads, Executive Director, The Bakken, 3537 Zenith Ave. So., Minneapolis, MN 55416. Telephone: (612) 927-6508; Fax: (612) 927-7265; e-mail DRhoads@AOL.COM.

The Harvard University Center for Italian Renaissance Studies offers up to fifteen fellowships for independent study

on any aspect of the Italian Renaissance for the academic year 1995/96. The fellowships, which can be stipendiary or non-stipendiary, are for scholars of any nationality, normally post-doctoral and in the earlier stages of their careers. The fellowship program is currently made possible by endowment funds provided by the Ahmanson Foundation, the Lawrence Beeson Fellowship Fund, the Deborah Loeb Brice Fellowship, the CRIA Fellow of I Tatti Fund, the Hazza Kail Fellowship, and the Robert Lehman Endowment Fund. In addition, the Center receives substantial annual fellowship support from the Florence J. Gould Foundation, the Samuel H. Kress Foundation, the Andrew W. Mellon Foundation, and the Leopold Schupp Foundation. Stipends will be awarded according to the individual needs of appointees and the availability of funds. The maximum grant will be no higher than \$30,000.00; most will be considerably less.

Fellows are required to devote full time to their projects and may not have other obligations such as teaching during their fellowship year.

Applicants should send a completed application form, a curriculum vitae and a project description to the Director, Professor Walter Kaiser, Villa I Tatti, Via di Vincigliata 26, 50135 Florence, Italy, (tel +39 55 60 32 511) to arrive no later than 15 October 1994, with duplicates to the Villa I Tatti Office, Harvard University, University Place, 124 Mt. Auburn Street, Cambridge, MA 02138-5762, USA, (tel. (617) 495-8042). Applications by fax are not accepted. Candidates should ask three senior scholars familiar with duplicates to the I Tatti Office in Cambridge. Decisions are announced in early spring.

Application forms can be obtained from Villa I Tatti in Florence, Italy or from the Villa I Tatti Office in Cambridge.

Located on the Mall in Washington, DC, the Woodrow Wilson International Center for Scholars awards approximately 35 residential fellowships each year for advanced research in the humanities and

social sciences. Men and women from any country and from a wide variety of backgrounds (including government, the corporate world, the professions, and academe) may apply. Applicants must hold a doctorate or have equivalent professional accomplishments. Fellows are provided offices, access to the library of Congress, computers or manuscript typing services, and research assistants. The Center publishes selected works written at the Center through the Woodrow Wilson Center Press. Fellowships are normally for an academic year. In determining stipends, the Center follows the principle of no gain, no loss in terms of a Fellow's previous year's salary. However in no case can the Center's stipend exceed \$59,000. Travel expenses for Fellows and their immediate dependants are provided.

The application deadline for 1995-96 is 1 October 1994. For application materials write to: Fellowship Office, Woodrow Wilson Center, 1000 Jefferson Drive S.W., SI MRC 022, Washington, DC 20560. Telephone: (202) 357-2841.

Visiting Scholarships at the Unit for the History and Philosophy of Science, University of Sydney, Australia. Particularly suitable for those taking sabbatical leave and 'pandoc', these Scholarships provide visitors with office space and facilities, full access to the University of Library (5 million volumes), and assistance with accommodation, travel, etc. The University of Sydney offers a very lively intellectual community, while the city boasts outstanding research and cultural facilities. Visiting Scholars will be invited to offer a course to senior-year/graduate students (one 2-hour seminar weekly). Teaching semesters in 1995/1996 are 27/26 February to 12/10 June, and 24/22 July to 6/4 November. Appointments dates are flexible and arranged by mutual convenience; the stipend is approximately \$3,000 per semester, or equivalent. For further information, please contact Michael Shortland, Unit for HPS F07, University of Sydney, Sydney NSW 2006, AUSTRALIA. Fax: 61-2-692-4124.

The National Humanities Center supports advanced study in history, languages and literature, philosophy, and other fields of the humanities. Each year the Center awards residential fellowships to scholars of demonstrated achievement and to promising younger scholars. Applicants must hold doctorate or have equivalent professional accomplishments. Younger scholars should be engaged in work significantly beyond the revision of a doctoral dissertation. Most fellowships are for the academic year (September through May), though a few may be awarded for the fall or spring semester. Scholars from any nation may apply for fellowships. In addition to scholars from fields normally associated with the humanities, representatives of the natural and social sciences, the arts, the professions, and public life may be admitted to the Center if their work has humanistic dimensions.

Fellowships are individually determined, the amount of a stipend depending upon the needs of the Fellow, and upon the Center's ability to meet them. As the Center cannot in most instances replace full salaries, applicants are urged to seek partial funding in the form of sabbatical salaries or grants from other sources. The Center does not cover fringe benefits. In addition to stipends, the Center provides travel expenses for Fellows and their dependents to and from North Carolina.

For application material write to Fellowship Program, National Humanities Center, Post Office Box 12256, Research Triangle Park, North Carolina 27709-2256. Applicants submit the Center's form, supported by a curriculum vitae, a 1,000-word project proposal, and three letters of recommendation. Applications and letters of recommendation must be postmarked by 15 October 1994.

The American Research Center in Egypt announces fellowships for study in Egypt for 1995-1996. Grants will be made in the areas of archaeology, architecture, art, development, Egyptology, history, the humanities, Islamic studies, and in the social sciences. Included among the awards to be made are a Kress postdoctoral

Fellowship earmarked for Egyptian predoctoral candidates enrolled in North American universities.

Duration of the grant period is from three to twelve months, beginning 1 September 1995.

In addition to predoctoral grants, the Center has funds for senior scholars to work in Egypt, for periods ranging from four to twelve months; allowances have been increased to up to \$30,000 for the period. Scholars with doctorates and/or substantial teaching experience are encouraged to apply.

The deadline for the receipt of all applications and accompanying materials is 1 November 1994. For applications and further information, contact ARCE's New York headquarters: The American Research Center in Egypt, New York University, 50 Washington Square South, New York, NY 10012. Telephone: (212) 998-0890. Facsimile: (212) 995-4144.

The Getty Grant Program, part of the J. Paul Getty Trust, supports scholarship in the history of art, advancement of the understanding of art, and the conservation of art and architecture. More information about the types of grants offered and about eligibility requirements is presented in the Grant Program's guidelines brochure. Guidelines brochures, as well as the 1992-93 Grants Awarded report, may be obtained by contacting: The Getty Grant Program, 401 Wilshire Boulevard, Suite 1000, Santa Monica, CA 90401. Telephone: (310) 393-6244; Telefax: (310) 395-8642.

The Columbia Society of Fellows in the Humanities, with grants from the Andrew W. Mellon Foundation and the William R. Kenan Trust, will appoint a number of post-doctoral fellows in the humanities for the academic year 1995-96. The appointment carries with it the expectation of renewal for a second year. Fellows newly appointed for 1995-96 must have received the Ph.D. Between 1 January 1989 and 1 July 1995. The stipend will be \$30,000, one-half for independent research and one-half for teaching in the undergraduate

program in general education. Additional funds are available to support research.

Application forms can be obtained by writing to the Director, Society of Fellows in the Humanities, Box 100 Central Mail Room, Columbia University, New York, NY 10027. Deadline for receipt of completed application forms is 15 October 1994.

The American Philosophical Society makes grants toward the cost of scholarly research in all areas of knowledge except those where support by government or corporate enterprise is more appropriate. Projects likely to culminate in publications are preferred; projects in the creative or performing arts, and educational materials for classroom use are not included. Grants cover travel to the objects of research, purchase of photoreproductions of documents, and consumable supplies not available at the applicant's institution. The Society makes no grants for study, salary replacement, travel to conferences, or the purchase of permanent equipment, telephone calls or stationery.

Eligibility: applicants are expected to have held the doctorate for at least one year. Foreign nationals applying from abroad must state precisely what objects of research, ONLY available in the United States, need to be consulted.

Deadlines: 1 January for decision by mid-April; 1 March for decision by mid-June; 1 July for decision by mid-October; 1 November for decision by mid-February.

Amount of Award: \$5,000 Maximum (\$4,000 for full professors); average award in 1993: \$2,800.

Obtaining forms: Written requests for forms must indicate eligibility, specify the area of research, and state the proposed use of grant funds. Telephone requests cannot be honored. Although our premises will not change, either of two addresses will be valid for 1995: Committee on Research, American Philosophical Society, 104 S. 5th Street, or 150 S. Independence Mall East, Philadelphia, PA 19106-3387.

Andrew W. Mellon postdoctoral fellowships in the humanities at Stanford

are awarded to highly promising scholar-teachers in the humanities; these nonfaculty one-year positions will carry departmental affiliation and limited teaching duties and the opportunity for scholarly work and intellectual growth. The Ph.D. must have been received before September 1995 and preferably since June 1988. The Fellowships carry an annual stipend of \$37,000 plus benefits and are renewable for a second year.

Application forms for 1995-96 are now available. All materials, including three letters of reference, are due no later than 15 November 1994. Applicants will be notified of the outcome in early March 1995. Write to: Mellon Postdoctoral Fellowships, The Dean's Office, School of Humanities and Sciences, Stanford University, Stanford, CA 94305-2070.

The Alexander von Humboldt Foundation of Bonn, Germany, a privately chartered foundation funded by the German Federal Government, promotes international scholarly cooperation through research and supporting activities. The Foundation's North American Office in Washington, DC, provides information on collaborative research opportunities to American scholars. Since 1953 the Foundation had enabled more than 5000 highly qualified individuals from the United States to participate in collaborative research projects conducted in Germany.

For more information about the Foundation and its programs, please contact Dr. Bernard Surin, the Alexander von Humboldt Foundation, Suite 903, 1350 Connecticut Ave., NW., Washington, DC 20036; Telephone: (202) 296-2990; Fax: (202) 833-8514.

#### ALSO NOTED:

National Endowment for the Humanities Fellowships support six to twelve months of full-time, uninterrupted study and research that will make significant contributions to the humanities. NEH Fellowships can be used to work on books, monographs, series of articles, and interpretive catalogues to accompany

exhibitions. While NEH Fellowships cannot be used to catalogue or organize collections or to prepare exhibitions, such work may be eligible through programs in the Division of Public Programs, the Division of Research Programs, or the Division of Preservation and Access.

The application deadline for 1995-1996 NEH Fellowships was 1 May 1994. There

are two competitions for NEH Fellowships. One is for scholars in undergraduate colleges and universities, for independent scholars, and for scholars associated with institutions such as museums, libraries, and historical societies. The second program is for scholars at Ph.D.-granting universities. Prospective applicants should write or call the Endowment if they have any questions

about the appropriateness of their work to the Division's programs or if they want application materials. Contact: Division of Fellowships and Seminars, National Endowment for the Humanities, Room 316, 1100 Pennsylvania Avenue, N.W., Washington, DC 20506. Telephone (202) 606-8466.

## FELLOWSHIP AND GRANT RECIPIENTS

The American Academy of Arts and Sciences announces its 1994 fellows: *Frederic Laurence Hobson* (Yale University, New Haven, CT); *Mirka D. Gensé* (Ecole Pratique des Hautes Etudes, Paris, France).

Chemical Heritage Foundation announces recipients of 1994-1995 Edelstein International Fellowship and Studentship. The 1994-1995 Edelstein International Fellow in the History of the Chemical Sciences and Technologies will be *Dr. Mi Gyung Kim*, Lecturer in the Program in History and Philosophy of Science at Seoul National University. Dr. Kim will use her fellowship to undertake research in Philadelphia and Jerusalem on nineteenth-century chemistry, with a particular emphasis on chemical atomism, chemical affinity, electrochemistry, and scientific institutions. Previous Edelstein International Fellows include Dr. Kostas Gavroglu, National Technical University of Athens, Greece, Dr. Peter Moeris, National Museum of Science and Industry, England, Dr. William H. Brock, University of Leicester, England, and Dr. Seymour H. Masurkopf, Duke University, Durham, NC.

The 1994-1995 Edelstein International Studentship will be held by *Mr. Pap Ndiaye* of the Université de Paris - Sorbonne. Mr. Ndiaye will spend six months at the Beckman Center for the History of Chemistry on the campus of the University of Pennsylvania and three months at the Edelstein Center for History and Philosophy of Science, Technology and Medicine at the Hebrew University in

Jerusalem. His dissertation focuses on the role played by chemical engineers in the growing relationships between the Federal government and private industry in the United States from 1920 to 1960. Previous holders of the Edelstein International Studentship are James Altma, University of Chicago, and Kathryn Soen, University of Delaware.

The Dübner Institute for the History of Science and Technology is pleased to announce the appointment of the second group of Dübner Institute Resident Fellows for 1994-1995. The new Dübner Fellows come from several nations and pursue many aspects of the history of science and technology. Their names and scholarly projects follow:

*Jon Appiano*, Arthur R. Virgin Professor of Music and Chairman of the Music Department at Dartmouth College, is a composer and director of Dartmouth's Graduate Program in Electro-Acoustic Music. He is the co-designer of the *synclavier*, the world's first computer synthesizer to be used in live performance. His most recent recording was *Hommage à Milane* in 1992 in the CDCM Computer Music Series. At the Dübner Institute he plans to write on "The Influence of Technology on the Roles of Musicians and Musical Institutions in the Twentieth Century."

*Mario Biagioli* is Associate Professor in the Department of History at the University of California, Los Angeles. His book, *Galileo Courtier*, was published in 1993 by the University of Chicago Press. Professor

Biagioli will use newly discovered archival material on Christoph Scheiner to complete his work entitled "Galileo, Scheiner, and the Sunspot Dispute," on which he is collaborating with Albert Van Helden.

*Michel Bley* is Director of Research at the Centre National de la Recherche Scientifique in Paris, Editor-in-Chief of the "Revue d'histoire des Sciences," and Adjunct Director of the International Center of Synthesis. His most recent book, *La Naissance de la Mécanique Analytique, La Science du Mouvement au Tournant de XVII<sup>e</sup> et XVIII<sup>e</sup> Siècles*, was published in 1992. At the Dübner Institute he will work on a book entitled "La Mathématisation du Mouvement des Fluides: de Torricelli à d'Alembert."

*Umberto Bottazzini* is Professor of the History of Mathematics at the University of Palermo and the author of *The Higher Calculus: A History of Real and Complex Analysis from Euler to Weierstrass*. During his residence at the Dübner Institute he will complete a book entitled "The Geometry of Nature: Mathematical Theories of Space from Riemann to H. Weyl." This work focuses on the mathematical problems of space as considered in the works of Riemann, Clifford, Beltrami, Lie, Poincaré, Levi-Civita, and H. Weyl.

*W. Bernard Carlson* is Associate Professor of Technology, Culture and Communication in the Department of History at the University of Virginia. He is the author of *Innovation as a Social Process: Edison, Thomson and the Rise of General Electric, 1870-1900*, published in 1991 by Cambridge University Press. At the Dübner Institute he will work on "Technological Innovation as a Cognitive Process: a

Comparative Study of Invention of the Telephone."

H. Floris Cohen, Professor in the History of Science and Technology at the University of Twente, the Netherlands, recently completed a book, *The Scientific Revolution: An Historiographical Inquiry*, to be published by the University of Chicago Press in May, 1994. At the Dibner Institute Professor Cohen will further develop ideas that he touched on in the concluding chapter of his book. His new project is entitled "How Modern Science Came into the World."

Mordechai Feingold is Associate Professor of History at Virginia Polytechnic Institute. While at the Dibner Institute he will write about the intellectual activities and organizational life of the Royal Society in a work tentatively entitled, "A House Divided, A House Being: The Royal Society, 1660-1740." An earlier work by Professor Feingold is *The Mathematicians' Apprenticeship: Science, Universities and Society in England, 1560-1640*, published by the Cambridge University Press.

Rishe Foldhey is Senior Lecturer at the Cohn Institute for the History and Philosophy of Science and Ideas, Tel Aviv University. Her book, *Galileo and the Church: Political Inquisition or Critical Dialogue?* is being published by Cambridge University Press. At the Dibner Institute she will explore the mathematical-experimental science that grew out of the texts of Copernicus, Galileo, Kepler, Newton, etc. and its impact on Jesuit education in a work entitled "The Jesuit Educational Program: from Science to the Humanities."

David L. Goroff is Senior Lecturer in the Department of Mathematics at Harvard University and Associate Director of the Bok Center for Teaching and Learning. He plans to expand upon an earlier essay, "Henri Poincaré and the Birth of Chaos Theory" in a book entitled, "Henri Poincaré, George David Birkhoff, and the Discovery of Chaos." He is the editor of the three-volume *New Methods of Celestial Mechanics* by Henri Poincaré, published by the American Institute of Physics in 1993.

Jonathan Harwood is Senior Lecturer at the Centre for the History of Science, Technology and Medicine, University of Manchester, U.K. While at the Dibner Institute he will work on a new book, "The Applied Scientist as Marginal Man: Scholarship and Ideology among German Agricultural Scientists, 1890-1945" in addition to completing two monographs: "Dealing with Strangers: Encounters between German and American Geneticists, 1910-1940" and "Weimar Culture and Biological Theory: a Study of Richard Woloszewicz (1877-1944)."

Helge Kragh is Senior Researcher in the history of technology in a project investigating the history of Danish technology. At the Dibner Institute he will write about the development of cosmology from a branch of mathematics into a physical science for a work titled "World Views in Collision: the Controversy Between Evolutionary and Steady State Cosmologies." He is the author of a recent biography of P.A.M. Dirac, published by Cambridge University Press in 1990, *Dirac: A Scientific Biography*.

Larry Lankton is Professor of History in the Department of Social Sciences at Michigan Technological University. In his book, *Cradle to Grave: Life, Work and Death at the Lake Superior Copper Mines*, he focused on the industrialization of mining and the impact of technological change on the organization of work. He will continue his examination of mining with a work exploring the industry's impact on man and society, "Industrialization, Modernization, and the Transformation of Everyday Life on a Mining Frontier, 1840-1915."

Domenico Bertolini Merli is a Research Fellow at the Wellcome Institute, London, and had previously been Research Fellow, Jesus College, Cambridge University. His book, *Equivalence and Priority: Newton versus Leibniz, including Leibniz's unpublished manuscripts on the Principia*, was published by Oxford University Press in 1993. At the Dibner Institute he will continue his research activities on Giovanni Alfonso Borelli and his influence

on the Italian intellectual and political scene from the 1640s through the 1670s.

Jean L. Richards is Associate Professor in the History Department at Brown University. Her research project at the Dibner Institute will explore the development of mathematics in England from 1800 to 1850 after a brief overview of the development of mathematics in France following the French Revolution. Professor Richards is the author of *Mathematical Visions: The Pursuit of Geometry in Victorian England*, published by Academic Press in 1988.

Alan Roland, Professor of History at Duke University, plans to continue his work on two book projects during his year at the Dibner Institute. The first, "Weapons and Walls: The Evolution of Military Technology in Western Civilization" explores the relationship between technology and war by examining twelve case studies from Western experience; the second, entitled "The Strategic Computing Initiative, 1982-1992," examines this project's legendary successes and its lessons for similar programs. Professor Roland is the author of *Underwater Warfare in the Age of Sail* and the co-author of *Men in Arms: A History of Warfare and Its Interrelationships with Western Society*, published in 1991 by Holt, Rinehart and Winston.

Margaret Schabas is Associate Professor and Acting Chair of the Department of Philosophy, York University, Canada. She will continue work on her book, provisionally entitled "Concepts of Nature in Classical Political Economy," in which she explores the different uses of concepts of nature in the major economic texts from the mid-eighteenth century Physiocrats to John Stuart Mill in the mid-nineteenth century. Her book, *A World Ruled by Number: William Stanley Jevons and the Rise of Mathematical Economics*, was published by Princeton University Press in 1990.

Miriam Solomon, Assistant Professor of Philosophy at Temple University, will explore issues of effective scientific choices within scientific communities in a book entitled "Social Empiricism: A Framework for Assessing Scientific Change." Professor

Solomon will use three historical case studies to establish and evaluate her philosophical position. Her articles in publications such as "Journal of Philosophy" and "Philosophy of Science" have typically examined developments in the history of science in terms of broad philosophical and epistemological issues.

Edith Sylla is Professor of History at North Carolina State University. At the Dibner Institute she will work on a book tentatively entitled, "Leibniz Looking Back: Alternative Perspectives on the Scientific Revolution." Her recent writings include "The Oxford Calculators," to be included in the forthcoming *Cambridge Dictionary of Philosophy* and "The Science of Motion in the Middle Ages", written in French for a work on the history of mechanics edited by François DeGand. Professor Sylla is the author of *The Oxford Calculators and the Mathematics of Motion, 1320-1350. Physics and Measurement by Latitudes*, published by Garland Press.

Andrew Warwick is Lecturer in the History of Science at Imperial College, London. The title for his project at the Dibner Institute is "Writing a Social History of Mathematical Physics," in which he will relate the development of mathematical physics to broader cultural changes in Western Europe. Two of his most recent articles are "The Sordid Protestants of Science: Larmor, Trouton and the Motion of the Earth through the Ether" for *Scientific Practice*, edited by J.Z. Buchwald and "The Laboratory of Theory or What's Exact about the Exact Sciences?" for *Precision in the Sciences*, edited by M. Norton Wise. His book, *Figures on a landscape: A Social History of Mathematical Physics in Victorian Cambridge*, is being published by Cambridge University Press.

The Dibner Institute for the History of Science and Technology was affiliated with MIT in 1992. Along with the renowned Busby Library - the Dibner Institute's own scholarly resource - this center for advanced research in the history of science and technology was established at MIT in the Dibner Building, Room E-56, at 38 Memorial Drive, with MIT, the Dibner Institute's host university, Boston

University, Brandeis University, and Harvard University as consortium members.

The Dibner Institute's goals are to foster and disseminate outstanding scholarship in the history of science and technology and allied fields and to initiate new directions in these fields.

In addition to having distinguished scholars from around the world in residence and supporting the dissertation research of advanced graduate students, the Institute holds a Tuesday luncheon-colloquium series, workshops, seminars, and lectures on diverse topics in the history of science and technology to which the MIT and the local academic community are welcome.

The Dibner Institute for the History of Science and Technology is pleased to announce that awards have been made to seven Ph.D. candidates enrolled in programs at Dibner Institute consortium-member institutions: Boston University, Brandeis University, Harvard University, and the Massachusetts Institute of Technology. Dibner graduate fellowships are given to candidates nominated by the departments of the individual universities and are based on excellence and scholarly promise without regard for need.

Linda Ekmariv is a Ph.D. candidate in the History and Social Study of Science and Technology program at MIT. She is using her strong background in mathematics and computer science for her dissertation on the history of computers and computer science in Russia.

Dr. Evangelos Geraniotis is following his first Ph.D. in Physics with a second at Boston University's Center for Philosophy and History of Science. His doctoral dissertation, "A Bayesian Analysis of Case Studies in the History of Science," focuses on two principal case histories that concern significant episodes in twentieth-century physics: an explanation of sunspots in terms of the theory of magneto-hydrodynamics and the hidden variables theory of quantum mechanics.

Lise Hornebach is a Ph.D. candidate in the Department of the History of Science

at Harvard University. She completed course work for the B.A. and M.A. degree in the history of science at Stanford University. The topic of her dissertation is "Nervous and Mental Casualties of the American Civil War: A Cultural History."

Eric Kiggberg is a Ph.D. candidate in the History and Social Study of Science and Technology program at MIT. The title of his dissertation is "Words and Things: Language, Practice and Scientific Authority in Interwar American Bacteriology." His research activities have focused on American social and political responses to developments in microbiology and bacteriology.

Christoph H. Lüthy is a Ph.D. candidate in the Department of the History of Science at Harvard University. His dissertation, "Aerosols, Microscopes, and Causality: 'Visual Reductionism' in the 17th Century," will explore two prominent components of the "Scientific Revolution" of the 17th century: the victory of atomistic theories of matter and the discovery and development of microscopes.

Mark Madison, a Ph.D. candidate in the Department of the History of Science at Harvard University, is a graduate of Macalester College with a double major in Biology and History. His dissertation topic is "From Plough to Bough: The Agrarian Conservation Movement in America."

Alan Stockdale is a Ph.D. candidate in the department of Cultural Anthropology at Brandeis University. He received his M.A. in Social Anthropology from the University of Edinburgh, Scotland. As a Graduate Student Fellow of the Dibner Institute, he will continue work on his thesis, "The Organization of Innovation: The Development and Deployment of Biotechnologies for Cystic Fibrosis."

The results of the John Simon Guggenheim Memorial Foundation's seventieth annual competition have been announced by Joel Covance, Foundation President. The 1994 Committee of Selection has chosen 147 artists, scholars, and scientists from among 3,157 applicants for Fellowship awards totaling \$4,070,000.

Guggenheim Fellows are appointed on the basis of unusually distinguished achievement in the past and exceptional promise for future accomplishment. The awardees include:

*Lorraine Daston, Professor of History and History of Science, University of Chicago: A history of the ideals and practices of scientific objectivity.*

*Daniel R. Headrick, Professor of Social Science and History, Roosevelt University: The revolution in information technology, 1750-1850.*

*Martin J. S. Rudwick, Professor of History and Director, Science Studies Program, University of California, San Diego: The construction of prehuman history, 1790-1840.*

The College of Physicians of Philadelphia announces the seven recipients of its 1994 Wood Institute Research Fellowships. The fellowship program supports research in the history of medicine. The 1994 Wood Institute Fellows and their topics are *Paul Berman, M. D.*, "The Mutual Improvement Society in America, 1720-1835"; *Deborah Franklin, University of Pennsylvania*, "Controlling the Atom: The Impact of Ionizing Radiation on Human Health, 1895-1942"; *Jennifer Gans, University of Pennsylvania*, "Controlling the Population: Ideological Links among Contraception, Life Extension, Public Health, and Population Policy"; *Lisa Herndl, Harvard University*, "The Hidden Civil War: Medical and Literary Narratives for the Turner's Lane Hospital"; *David McGarner, University of Iowa*, "Medical Ideas and the Popular Press in New England, 1680-1820"; *Jeffrey A. Mellow, Johns Hopkins University*, "The Moral Mind: Agency, Psychology, and the Mind-Body Connection in American Thought, 1790-1860"; and *Allison Pogue, Harvard University*, "'It's Two that Makes the Trouble': Figures of Replication in the Fiction of Mark Twain, Sherwood Anderson, Eudora Welty, and Carson McCullers."

The College of Physicians is an organization of distinguished health care professionals and historians of medicine with a

mission to encourage the study and appreciation of medicine in the broader historical and social context in response to current health care issues and public and professional interests. The Francis Clark Wood Institute for the History of Medicine was founded in 1976 to make better known to scholars the rich historical resources of the Library and the Mutter Museum, and to foster and disseminate scholarship on historical and contemporary issues using the resource of the College. The Institute accomplishes this mission by means of fellowship programs, conferences and seminars, and publications. The Wood Institute fellowship program enables scholars to spend time in residence at the College in order to use its renowned library and museum. The College wishes to express its deep appreciation to the Women's Committee of the College of Physicians for supporting a part of the fellowship program.

The College also announces the recipients of the 1994 Scholarship-in-Residence fellowship. The Scholar-in-residence will be *Dr. David M. Cantor*, currently of Johns Hopkins University. He will be researching "Neo-Hippocratism in Inter-War British Medicine." More information concerning Dr. Cantor's research will be available in future issues of *Fellow's Forum*.

The American Institute of the History of Pharmacy has announced the names of three recipients of grants-in-aid toward thesis expenses related to the history of pharmacy. The recipients are: *Julie Reber, University of California, Berkeley*, for her thesis on "The Glands of Destiny: The Development and Popularization of Sex Hormone Theory and Therapy in Interwar America"; *Mara Laura Keire, The Johns Hopkins University*, for her thesis project, "Regulation of Vice in the United States, 1890-1930"; and *Andrea Bello, Baruch College*, for her thesis on "The Age of 'Miracle' Medicine: A Social History of Sulfis Drugs in the United States, 1936-1941." The total awarded is \$5,000.

The AIHP sponsors an annual competition to provide grants-in-aid for thesis work in the history of pharmacy and

related fields. Grant applications are accepted until 1 February of each year, with announcements made by 1 May. Those wishing guidelines for applying for thesis grants can write AIHP, Pharmacy Building, 425 N. Charter ST., Madison, WI 53706-1508.

Thirty-six Charlotte W. Newcombe Dissertation Fellowship for 1994 have been announced by the Woodrow Wilson National Fellowship Foundation. The fellowships, designed to encourage study of ethical or religious values in all fields of study, will permit a year of uninterrupted study and writing for students in the final stages of their graduate work. Each Fellow will receive a stipend of \$12,500, plus an allowance toward medical insurance. Congratulations to *Elizabeth R. S. Watkins*, winner in the history of science department for her proposed dissertation title, "On the Pill: A Social History of Oral Contraception in America, 1950-1970."

The Alexander von Humboldt Foundation is pleased to announce the following fellowships: *Nina Anari, National Institute of Health*, will receive a research fellowship for a long-term, collaborative, medical neurology research project in Germany. *Alan F. Hofmann and Kim E. Barnett* will receive funding for German post-doctoral research under the Feodor-Lynen program for their research on Dr. Jürgen Stein (internal medicine). *Edward P. Richardson, Jr. and Douglas C. Anthony* will also receive funds under the Feodor-Lynen program for their research on Dr. Alexander Vormeyer (pathology).

## POSITIONS

This list presents all announcements of job searches brought to the Society's attention. Notices are drawn (and often condensed) from many sources and (for positions in the U.S., Canada, and Australia) usually include affirmative action statements or their equivalent. The Society cannot assume any responsibility for the accuracy of any item and potential applicants should double-check all details, especially closing dates.

Notices of all job announcements are posted as they are received on HSSJOBS, an electronic bulletin accessible via the Internet Anonymous File Transfer Protocol (FTP). This file is available for anonymous ftp at the site of <ftp://u.washington.edu>, in the directory /pub/wam-supported/haa, under the filename hsjobs. Because computer networks differ among institutions, the HSS Executive Office is unable to provide members with step-by-step instructions to connect to HSSJOBS. Make sure that you sign on as anonymous for the username. If you are having problems, contact your computer network department for detailed instructions to log onto the HSSJOBS electronic bulletin.

The University of Iowa is seeking an historian for a one year visiting appointment, field open. Ph.D. required, teaching experience preferred. Teaching responsibilities include a one-semester survey course open to medical students and undergraduates; team-teaching an undergraduate course; a seminar; individual work with medical students. C.V. and three letters of reference to Professor Paul Greenough, History, University of Iowa, Iowa City, IA 52242-1409. The University of Iowa is an equal opportunity, affirmative action employer and encourages application from women and minorities.

The faculty of Medicine, Queen's University seeks applications for the position of Adjunct Hannah Professor in the History of Medicine. This will be a

term appointment of two years with possible renewal for a third. The successful candidate will have a Ph.D., M.D., or both with expertise in medical history and preferably teaching experience. Primary responsibility will be to teach medical history to medical students, but opportunities are available for developing new courses in related areas in the History of Medicine and Science.

In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. Queen's University welcomes diversity in the workplace and encourages applications from all qualified candidates including women, aboriginal peoples, people with disabilities and visible minorities.

Please send an up-to-date C.V. and names of three references to Dr. J. M. Duffin, History of Medicine, Queen's University, Kingston, Ontario, Canada K7L 3N6.

The University of Michigan is seeking an Assistant Professor for a joint tenured-track appointment in History and Asian Languages and Cultures in middle imperial Chinese history, including specialization in political history, history of technology, and military history of the Tang, Song, and Yuan periods. Teaching responsibilities to include pre-modern Asian history, literary Chinese, and steppe cultures. Candidates must have Ph.D. in Chinese history, superior ability in Chinese and Japanese and relevant teaching experiences. Apply to Maria A. Vinovskis, Chair, Department of History, University of Michigan, Ann Arbor, Michigan 48109-1045. Non-discriminatory, affirmative action employer.

Half-time (20 hours) research assistantship, one-year renewable, at the California Institute of Technology, to begin around 1 September 1994. Assistant will help with diverse projects in the history of science since the late nineteenth century. The projects span the history of modern biology, environmentalism, and science-related issues in public policy. Applicants

need not have competence in all these fields but should be willing to learn about them on the job.

The post is particularly suitable for someone writing his or her dissertation, but scholars at other stages of their careers will be considered. Stipend: \$16,000 per annum plus standard benefits. Applicants should send a description of expertise and interests as well as a graduate transcript and at least one letter of recommendation to Professor Daniel J. Kevles, Division of Humanities and Social Sciences, California Institute of Technology, Pasadena, CA 91125. (Fax: (818) 793-4681; e-mail: [Kevles@Juliet.Caltech.Edu](mailto:Kevles@Juliet.Caltech.Edu)). Applications will be evaluated on a continuing basis. Caltech is an AA/EEO employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

Applications are invited for the position of Lecturer (Limited tenure) in the Department of History and Philosophy of Science at the University of Melbourne, Australia. The successful applicant, who will normally have completed a Ph.D. will be expected to teach courses in the history of the life sciences and in the social dimensions of science and technology to undergraduate Arts and Science students and to supervise students preparing theses for higher degrees, within the University's wider program in the history, philosophy and social studies of science. In addition, the successful applicant will be expected to pursue a vigorous program of research and publication in one of these fields.

The person appointed will be expected to take up the position early in January 1995. The appointment will be for a three-year term in the first instance. Salary: \$A 41,574 to \$49,370 p.a. For further information, contact Professor Rod Home or Dr. Keith Hutchison at 61-3-344-6556; Fax 61-3-344-7509; E-mail: [home@hps.unimelb.edu.au](mailto:home@hps.unimelb.edu.au), or [k.hutchison@hps.unimelb.edu.au](mailto:k.hutchison@hps.unimelb.edu.au). Address for mail: University of Melbourne, Parkville, Victoria 3052, Australia.

Applications close on 22 July 1994. Candidates should ask three referees to send letters of recommendation directly to

the University's Personnel Services department by this closing date. Candidates and referees should include the reference number in all correspondence: G9500538. The University of Melbourne is an Equal Opportunity employer. Applications from women scholars are especially encouraged. The University has a smoke-free work-place policy.

The University of Oklahoma invites applications or nominations for a tenured position in the History of Science. Starting date: 16 August 1995. Rank: Professor, or advanced Associate Professor. Areas of specialization open; preference for candidates in fields complementing those of existing faculty. Possibility of assuming department chairmanship within 1-3 years. First screening of applications will begin 15 September 1994. Applications will be reviewed until the position is filled. Letters of application should be accompanied by a complete c.v., and the names of three references. Contact: Search Committee Chair, Department of the History of Science, Physical Sciences Building 622, University of Oklahoma, Norman, OK 73019-0315. Telephone: (405) 325-2213. Fax: (405) 325-2363. The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer.

The Institute for the History and Philosophy of Science and Technology, University of Toronto, invites applications for a full time tenure stream position at the rank of Associate or senior Assistant Professor in the history of physics and the exact sciences, beginning 1 July 1995 - subject to budgetary approval. The Institute has M.A. and Ph.D. programs, as well as undergraduate programs, and is also a centre for research. Candidates must be qualified to undertake graduate faculty responsibilities including graduate seminars and supervision of doctoral dissertations, to teach undergraduates, and to conduct their own research. They should have proven excellence in research as demonstrated by publication, and in teaching. The salary range for Associate Professors begins at \$46,800. Applications should be sent to

the Chair, Search Committee, Institute for the History and Philosophy of Science and Technology, Room 316, Victoria College, 73 Queen's Park Cntr., E., University of Toronto, Toronto M5S 1K7. Applicants should enclose a c.v., the names and addresses of three referees, copies of recent major publications, and a brief account of current research. Closing date is 3 October 1994. In accordance with its Employment Equity Policy, the University of Toronto encourages applications from qualified women and men, members of visible minorities, aboriginal peoples and persons with disabilities.

#### ALSO NOTED:

History/Historic Preservation: Michigan Technological University sought an Assistant Professor (tenure-track) beginning September 1994 contingent upon budget approval, to develop historic preservation component of Industrial Archeology graduate program, participate in field-based preservation activities associated with historic copper mining region of Michigan's Keweenaw Peninsula. Qualifications: Ph.D in History/American Studies with speciality in Historic Preservation or M.A. and minimum of five years' professional experience. Desired strengths in vernacular/commercial/industrial architecture, grant-writing skills, experience in community preservation. Interested in an individual who would be a strong role model and advisor to women and minority students. Possible teaching areas: historic preservation/methods; architectural/design history; material culture; culture resource management; public history; American history. Screening began 15 April 1994, and will continue until the position is filled. For more information write to Dr. Susan Martin, Chair, Search Committee, Department of Social Sciences, Michigan Technological University, 1400 Townsend Avenue, Houghton, MI 49931-1295. Michigan Technological University is an equal opportunity educational institution/equal opportunity employer.

The Centre de Recherche en Histoire des Sciences et des Techniques Cite des Sciences et de l'Industrie et Centre National de la Recherche Scientifique at La Villette, Paris (France) announced two to three research positions (C.N.R.S) for the year 1995. Candidates were to have a doctorate in the history of science of technology (or closely related fields). Applications are encouraged from younger scholars whose projects would fall within one of the Center's main areas of research: 1. the history (19th and 20th century) of the relationship between science, technology and industry. 2. the history (19th and 20th century) of the spread of scientific and technical knowledge and practices, including the history of popularization. 3. the history (19th and 20th century) of the interaction of France with foreign countries in the fields of science and technology.

Application deadline (for the year 1995) was 30 April 1994. For more information, write to Dominique Pestre, directeur, C.R.H.S.T., Cite des Sciences et de l'Industrie, 75990 Paris Cedex 19, France. Telephone: 1 40 05 75 52; Fax: 1 40 05 79 21.

Visiting Assistant Professorship in the History of Science. The Department of the History of Science, Medicine, and Technology at Johns Hopkins University invited applications for a Visiting Professor in 1994/95. Preference is for early modern history of science and technology or the history of chemistry. A Ph.D is required. Graduate students who expect to complete their dissertations by 1 September 1994 will be considered.

Johns Hopkins University sought someone who would participate in both undergraduate and graduate programs.

For more information write to Professor Sharon Kingsland, History of Science, Medicine, and Technology, 3400 N. Charles Street, Johns Hopkins University, Baltimore, Maryland USA 21218. (Telephone: 410 516-7505; Fax: 410 516-7502). Applications should have been made not later than 25 May 1994.

**History of Science: Instructor.** Eastern College, an innovative, four-year Christian College of the arts and sciences, sought a primary instructor in a required course entitled "Science, Technology and Values." This individual may have principle interest as a historian of science, philosopher of science, or a science practitioner. The ability to integrate science, and its impact on our lives through technology and on values is required. All applicants needed to be able to integrate their Christian faith with their discipline and be able to sign the

doctrinal statement. Interested and qualified candidates should have sent a resume and cover letter by 10 June 1994 to Dr. Alan Tharpe, Dean of Undergraduate Programs, Eastern College, 10 Fairview Drive, St. Davids, Pennsylvania 19087-3696. Eastern College is an equal opportunity, affirmative action employer.

The Thomas A. Edison Papers at Rutgers University invited applications for a one-year faculty appointment as an

assistant editor beginning 1 September 1994, with possible renewal. At least ABD was required. A Ph.D. and background in late 19th century American history, with an emphasis on the history of technology, business or science, was preferred. Training and experience in documentary editing is highly desirable. For more information write to The Thomas A. Edison Papers, Van Dyck Hall, Rutgers University, New Brunswick, NJ 08903. Application deadline: 6 June 1994.

## MEETING REPORTS

### Seminar in New Zealand

by John Searhouse, University of Otago

Some two dozen historians of science met at Knox College, Dunedin, New Zealand 12-15 May in an international seminar entitled "Responding to Darwin: New Perspectives on the Darwinian Revolution." The seminar brought together historians from Britain, Canada, the United States, Australia, and New Zealand to assess responses to Darwin in

the English-speaking world from a wider range of geographical, racial, gender and class perspectives than previously considered. Participants presented papers on the reception of Darwinism in New Zealand (John Searhouse), Australia (Barry Bunker), Canada (Susanne Zeller), and the American South (Ron Numbers and Lester Stephens), and the American North-West (Keith Benson). Another cluster focused on religion: Darwinism and American Protestants (Jon Roberts), Catholics (Scott Appleby), and Jews (Marc Swartz). Eric Anderson discussed African-American responses to Darwin, and Sally Gregory Kohlstedt discussed

American women's response to biological determinism in the late nineteenth and early twentieth centuries. The seminar had a distinctly New Zealand flavor from the beginning. Te Kapa Haka, the Otago University Maori Cultural Group, welcomed the participants and gave a performance which moved and impressed everyone. Jim Moore then launched the seminar with a public lecture entitled "Darwin Among the Ultras" and over the following three days we got down to exciting and spirited discussion. Participants enjoyed excursions to view albatross and penguin colonies and a post-conference trip to Milford Sound where the beauty of the landscape overheard Keith Benson's 'lovely-omen'. The conference gave a great boost to the history of science community in New Zealand and the Pacific. Participants departed southern shores reluctantly and with many fond memories.

### Mephistos '94

The 13th Annual Graduate Student Conference in the History, Philosophy, and Sociology of Science, Technology, and Medicine, held February 26th and 27th, 1994 and sponsored by graduate students in Harvard University's Department of the History of Science, was a remarkable success.

The conference gathered over 120 graduate students for two packed days of lively and engaging presentations and



Participants of the "Responding to Darwin" Conference in New Zealand

informal discussion. Seventy papers were presented, on topics ranging from "Newton and the Death of Nature" to "Physics as a Subversive Activity" to "The Philosophy of Mayan Science." We even boasted an entire session devoted to the telegraph in nineteenth-century American culture.

We wish to thank all who participated in the conference, and in addition we would like to express our gratitude to the Dibner Institute and to Harvard's Department of the History of Science for their generous support.

Several schools are already in contention to hold next year's conference, so be on the lookout.

### A Special Celebration in Honor of Ernst Mayr on his 90th Year

The University of Florida and the Florida Museum of Natural History hosted a celebration to honor Ernst Mayr, of the Museum of Comparative Zoology at Harvard University, on his 90th birthday. Addresses were given by Jon Reiskind, Department of Zoology at the University of Florida, Vasiliki Betty Smocovitis, Department of History at the University of Florida, and David Webb, of the Florida Museum of Natural History. The event was created by Frederick Gregory, with Frank Nordlie presenting the birthday gift

of an evolutionary T-shirt. Mayr received a standing ovation from the audience of 150-200 people.

### Interdisciplinary Workshop - *The New Contextualism: Science as Discourse and Culture*

A transdisciplinary workshop entitled *The New Contextualism: Science as*

*Discourse and Culture* was held 11-13 March 1994 and was sponsored by the Departments of History, English, and Philosophy, and the University of Florida Humanities Council. Invited participants included Brian Balguy (Institute for the History and Philosophy of Science, University of Toronto), Ilazar Barkan (Director, Humanities Center at Claremont Graduate School), David Stump (Department of Philosophy, University of San Francisco), Andrew Pickering (Department of History,



*Frederick Gregory looks on as Ernst Mayr cuts his 90th birthday cake*



*Historians of science celebrate with Ernst Mayr his 90th birthday at a surprise party. Pictured are (from left to right): Harry Paul, Betty Smocovitis, Ernst Mayr, Charlotte Porter, Dan Dousbury, and Fred Gregory*



*Ernst Mayr tries on his birthday gift - an evolutionary T-shirt! (Photographs courtesy of Dan Dousbury)*

Princeton University and Department of Sociology, University of Illinois), Joseph Rouse (Department of Philosophy, Wesleyan University) and Alison Wylie (Department of Philosophy, University of Western Ontario).



Pictured from left to right (back row): Harry Paul, Chris Eschler, Eleanor Barkan; (middle row) David Stump, Fred Gregory, Joseph Rouse, Andrew Pickering, and Alison Wylie; (front row) Betty Smarshin, Brian Baigren, Gary Weis, Michael Fuchs, Gary Krell, and Leslie Newman. Not pictured David Locke, Robert Haach, and Mark Letney. (Photograph courtesy of Don Dewsbury).

## ISIS BOOKS RECEIVED

### Quarterly Report to 2 June 1994

Ajzenberg-Selove, Fay. *A Master of Choices: Memoirs of a Female Physician*. (Lives of Women in Science.) x + 234 pp., illus., index. New Brunswick, N.J.: Rutgers University Press, 1994. \$40 (cloth); \$18 (paper).

Alexander, Daniel S. *A History of Complex Dynamics: From Schröder to Fatou and Julia*. (Aspects of Mathematics, E 24.) vii + 165 pp., figs., bibl., index. Braunschweig/Wiesbaden: Vieweg, 1994. DM 58, \$42.

Anderson, R.G.W.; Bennett, J.A.; Ryan, W.F. (Editors). *Making Instruments Count: Essays on Historical Scientific Instruments presented to Gerard J. Zangari Turner*. xx + 492 pp., illus., figs., index. Aldershot, Eng./Brookfield, Vt.: Variorum, 1993.

Aristotle. *Posterior Analytics*. Translated with a commentary by Jonathan Barnes.

(Clarendon Aristotle Series.) xvi + 298 pp., figs., bibl., indexes. 1975. Second Edition. Oxford: Clarendon Press, 1993. \$52, £35.

Atheson, Daniel. *Scientific Nihilism: On the Loss and Recovery of Physical Explanation*. (SUNY Series in Philosophy.) x + 387 pp., fig., index. Albany: State University of New York Press, 1994. \$21.95.

Auzep, Elana; Hoerniglin, Mariano (Editors). *Messengers of Mathematics: European Mathematical Journals (1800-1940)*. xxiv + 297 pp., figs., tables, bibl. Madrid: Siglo Veintiuno Editores, 1993. (Paper.)

Axelrod, Alan; Phillips, Charles. *The Environmentalists: A Biographical Dictionary from the 17th Century to the Present*. xiv + 258 pp., illus., index. New York/Oxford: Facts on File, 1993. \$45, Can \$56.95.

Ball, Norman R.; Vardalas, John N. (Editors). *Ferranti-Packard: Pioneers in Canadian Electrical Manufacturing*. xvi + 336 pp., frontis., illus., figs., index.

Montreal/Kingston: McGill-Queen's University Press, 1994. \$55.

Bayar, Ronald; Oppenheimer, Gerald M. (Editors). *Confronting Drug Policy: Illicit Drugs in a Free Society*. viii + 369 pp., tables, bibl., index. Cambridge/New York: Milner Memorial Fund, Cambridge University Press, 1993. \$59.95 (cloth); \$19.95 (paper).

Bernoulli, Jacob. *Der Briefwechsel von Jacob Bernoulli*. Bearbeitet und kommentiert von Andoef Weil. Mit Beiträgen von Clifford Truesdell und Fritz Nagel. (Die gesammelten Werke der Mathematiker und Physiker der Familie Bernoulli.) xxii + 305 pp., frontis., illus., figs., tables, bibl., indexes. Basel/Boston: Birkhäuser Verlag, 1993. SwFr 148, DM 168, OS 1,310.40.

Bernoulli, Jakob. *Die Werke von Jakob Bernoulli*. Band 4: *Rechenlehre*. Bearbeitet und kommentiert von Andoef Weil. Mit historischen Anmerkungen von Patricia Radelet-de Greve und Martin Mattmüller. (Die gesammelten Werke der Mathematiker und Physiker der Familie Bernoulli.) xxii + 298 pp., frontis., illus., bibl., indexes. Basel/Boston: Birkhäuser Verlag, 1993. SwFr 148, DM 168, OS 1,310.40.

Beyerslein, Berthold. *Die Entwicklung der Pharmazie zur Hochschuldiziplin (1750-1875): Ein Beitrag zur Universalien- und Sozialgeschichte*. Mit einem Geleitwort von Rudolf Schmitz. (Quellen und Studien zur Geschichte der Pharmazie, 59.) [xiv] + 320 pp., tables, bibl., indexes. Stuttgart: Wissenschaftliche Verlagsgesellschaft mbH, 1991. DM 58, Fr 58, OS 453 (paper).

Birn, Ronald M. *Science at the University of Edinburgh, 1583-1993: An Illustrated History to Mark the Centenary of the Faculty of Science and Engineering, 1893-1993*. xxiv + 299 pp., illus., figs., tables, apps., bibl., indexes. Edinburgh: Faculty of Science and Engineering, University of Edinburgh, 1994. £19.95 (cloth); £13.95 (paper).

Bloom, Jerome. *In the Beginning: The Advent of the Modern Age: Europe in the 1840s*. xx + 405 pp., bibl., index. New York: Charles Scribner's Sons, Toronto:



**DIBNER  
INSTITUTE  
FOR THE HISTORY  
OF SCIENCE AND  
TECHNOLOGY**

**DIBNER  
INSTITUTE  
FELLOWS  
PROGRAM  
1995-1996**

The Dibner Institute for the History of Science and Technology invites applications to its Resident and Visiting Fellows Program for 1995-1996. Candidates for fellowships should have advanced degrees in appropriate fields and offer evidence of substantial scholarly accomplishments and professional experience. Dibner Fellows are expected to reside in the Boston area during the term of their grants, to participate in the activities of the Dibner Institute community and to present their current work at appropriate occasions during their fellowship appointments.

The Dibner Institute was established in Massachusetts in 1990 as an international center for advanced research in the history of science and technology. It includes the Busby Library as its scholarly library resource and enjoys the participation in its programs of faculty members and students of consortium-member institutions including the Massachusetts Institute of Technology, as host institution, Boston University, Brandeis University and Harvard University.

The Dibner Institute provides office space, support facilities and full privileges at the Busby Library and at the libraries of consortium universities. Fellows will have access to the entire spectrum of activities that take place at the Dibner Institute, where they will be able to collaborate in

an atmosphere of collegiality and find the resources and appropriate settings to carry on their work.

Scholars may apply to the Resident Fellows Program for the Fall (Term 1), the Spring (Term 2) or both terms. Term 1 extends from August 1 through December 31, with full activities beginning on September 1. Term 2 extends from January 1 through May 31, with full activities beginning on February 1. At the time of application, Term 1 candidates may request an arrival date in July. Term 2 candidates may request an extension into June. Scholars may apply to the Visiting Fellows Program for less than a full term, but in any case, for at least two consecutive months in the year.

The Dibner Institute expects to have ten to fifteen fellows each term. Funds are available for housing accommodations, living expenses and return travel costs. The deadline for receipt of applications for 1995-1996 is January 1, 1995. Fellowship recipients will be announced in March, 1995. Please send requests for further information and for application forms directly to:

Trudy Kestuff  
Program Coordinator  
Dibner Institute for the History of  
Science and Technology  
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Cambridge, Massachusetts 02139

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St. Louis Cathedral and Jackson Monument, as seen from New Orleans' Jackson Square

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