Welcome to the Twin Cities

The 1995 HSS Annual Meeting will be held 26-29 October in the Twin Cities of Minneapolis and St. Paul at the Radisson Hotel on the Minneapolis campus of the University of Minnesota. The two cities grew up around the Mississippi River, which flows through the campus. French trappers and traders first settled St. Paul (then known as "Pig's Eye Landing") in the 18th century, and Minneapolis ("City of Waters" in Dakota and Greek) flourished in the 19th century because of the immense water power provided by the 16-foot drop of the Mississippi River at St. Anthony Falls. The Falls, near downtown and just a few miles from the University, became the center of the milling industry; Pillsbury's first mill is still operating on the site. The ambience of each city is different; St. Paul, the older, capital city, was designed in the style of an Eastern city, whereas Minneapolis is a more typical modern, Midwestern city. The Twin Cities now have a diverse, prosperous economy and are known for their friendly people, numerous lakes and parks, and great variety of cultural activities.

The University was founded in 1850 as a preparatory school. It reopened in 1896 after the Civil War and quickly became an institution of higher education. It is now one of the largest universities in the country with more than 35,000 students. The University consists of a Minneapolis campus, divided by the Mississippi River, and a St. Paul campus. On the Minneapolis East Bank Campus within easy walking distance from the Radisson Hotel are the James Ford Bell Museum of Natural History (known for its dioramas of Minnesota plants, birds and mammals by Francis Lee Jacques), the recently opened Frederick R. Weisman Art Museum (designed by Frank Gehry and exhibiting contemporary American art), the Weenkenstein Historical Library of Biology and Medicine (rare books and manuscripts), and Walter Library, which houses the Charles Babbage Institute (archival materials on the history of computing and information processing) and the Kerlan Collection of Children's Literature. On the West Bank Campus are the James Ford Bell Library (rare books, maps and manuscripts documenting the European expansion during the 15th-19th centuries) and the Humphrey Forum (photo murals, replica of 1964 Senate office, videos, political memorabilia). On the St. Paul Campus, where the agriculture and biological sciences are located, is the Goldstein Gallery (textiles, historic costumes, designer fashions, decorative arts, special exhibit on Southwest Native American Jewelry).

Downtown Minneapolis is about a 20-minute bus ride from the Radisson Hotel and downtown St. Paul about a 30-minute one, both on line 16. In downtown Minneapolis are the IDS Tower Crystal Court and the Butler Square Building (both architecturally striking), the latter being on 1st Avenue South in the Warehouse District, a center of nightlife. The two principal art museums in the Twin Cities are in Minneapolis: the Minneapolis Institute of Arts and the Walker Art Center (contemporary art) with its adjacent Minneapolis Sculpture Garden and Cowles Conservatory. Also...
worth visiting is the American Swedish Institute, and of particular interest to historians of science is the Bakken Library and Museum of Electricity in Life, where a program session on Friday afternoon, 27 October, will be held.

In the St. Paul downtown area are the City Hall and Courthouse, the Landmark Center (restored 1902 Old Federal Courts Building), which houses the Schubert Club Musical Instrument Museum (1542arpachiod, 1935 Wurlitzer art deco piano, photographs) and the Minnesota Museum of American Art (contemporary art); the Science Museum of Minnesota, which also houses the McKnight 3M Omnitherater (several shows daily); the Minnesota State Capitol (designed by Cass Gilbert); and the recently opened Minnesota History Center (a beautiful museum that incorporates the former Minnesota State Historical Society and includes collections of books, manuscripts, photographs, films, videotapes, and hands-on displays).

In or beyond the Minneapolis and St. Paul suburbs are a number of other museums and points of interest, including the Pavek Museum of Wonderful Wireless, the Planes of Fame Air Museum, the Minnesota Children's Museum, Como Park Zoo, the Gabbert Raptor Gardens, and the Minnesota Landscape Arboretum.

Programs for many of the theatrical, musical, dance, and other performances will not be fixed until after this printing and information now available is subject to change. A partial list of events already scheduled and telephone numbers for ticket orders follows:

The San Francisco Ballet at Northrup Auditorium on the East Bank Campus and a 5-minute walk from the Radisson Hotel (27-28 October, 8 p.m., $20-35, 612-624-2345); the Minnesota Orchestra, in Minneapolis (Casual Classic, "The Revolutionary Beethoven" featuring Symphony No. 3, "Eroica", 26 October 7 p.m.; Marvin Hamlish, featuring Broadway and film favorites, Streatsland and Syrah medleys, 27-28 October 8 p.m.; $15-30, 800-292-4141); the Guthrie Theater, in Minneapolis ("King Lear" 25, 26, 28 October 1 p.m., 27 October 8 p.m.; "Big White Fog" 25, 26, 28 October 8 p.m., 29 October 7 p.m.; $10-30, 800-848-4912 x2712); the Ordway Music Theater in St. Paul (Jerry Lewis in "Damn Yankees", 25-29 October 8 p.m., 28-29 October 2 p.m., $19-50, 612-224-4222); and the Penumbra Theater Company ("Square Blanks," 26 October 7-30 p.m., 27-28 October 8 p.m., 29 October 2 p.m. and 7:30 p.m., $12-17, 612-224-3180).

For shopping, there is the Mall of America (known locally as the "Megamall"), the largest indoor combined retail and family entertainment center in the country. Camp Snoopy includes a 7-acre indoor amusement park with roller coaster and many other rides, the Wilderness Theater with animal and bird shows, and the Playhouse Theater. To reach Mall of America, take Bus 16 to Nicollet Avenue in downtown Minneapolis (exact fare, $1-1.25, required) and transfer to Express Bus 80, which runs every 20-30 minutes from early morning to late evening (exact fare, $1.50-1.75, required). The Radisson Hotel will also provide van service to Nicollet Avenue ( gratuity accepted). The entire trip takes about 45 minutes.

Ground Transportation. The least expensive way to get from the Minneapolis/St. Paul airport to the Radisson and other hotels is by Airport Express Shuttle ($10 one way, $15.50 roundtrip, 612-726-6400). Vans leave every 15-20 minutes. Check in at the Airport Express desk on the baggage claim (lower) level near carousel 8. Customer service representatives will provide assistance and directions to the vans. To return to the airport, the hotel bellman or front desk personnel can assist in making the required reservations. Taxi fare is about $20-25 and takes about 20 minutes. The airport station is 3-4 miles from the University on Bus 16.

Registration Information

Registration must be received by the HSS Executive Secretary's Office by Monday, October 2, 1995, or a late fee will be charged. A registration form appears on page 9 of this newsletter; a hotel registration form appears on page 19. Full refunds are available only if notice of cancellation is received on or before October 2.

If you have any questions, please contact the HSS Executive Secretary's Office at (206) 543-9366, FAX (206) 685-9544.

New HSS Travel Agent
provides lowest possible airfares

HSS members are reminded that the Society has contracted with a travel agent to provide us with the lowest possible airfares to our annual meetings and for other official HSS business. Our travel agent is Conventions in America, a national travel agency that is located in San Diego. The company has a toll-free 800 number, 1-800-929-4242, and you need to identify yourself as a member of the History of Science Society and refer to our group number, which is #439.

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Editor to publisher.
}
News from Washington: NSF Funding in Peril

In the April HSS Newsletter, I encouraged all HSS members to become aware of the various legislative initiatives aimed at eliminating NEH and NEA. I also included the names and addresses of all the major senators and representatives who serve on committees charged with oversight functions pertaining to NEH and NEA. Several of you responded to the article by writing to your congressional representatives and sending me a copy of the letter.

Congressional leaders have now targeted the National Science Foundation for possible budget cuts. These cuts did not at first seem to be too severe, as scientific "infrastructure" seemed to be the likely target. But on 11 May, Representative Robert C. Walker (R-Pa) stated that the Republicans planned to abolish all "social, behavioral and economic studies" within the NSF, a result that NSF "wandered into" as a means to become "politically correct" (Washington Post, 12 May 1995). By mid-May it became clear that all the major sources of federal funding in the history of science may be imperiled.

During this period I spent two days in D.C. visiting senators from my state of Washington. I have no idea if my visits were helpful to our cause, but I did learn something about the present climate in Washington. First, it may be little good to lobby our Democratic congressional leaders because even if they are the most ardent champions of our cause, they believe they would still be in the minority during any vote. It is still important to contact the Democrats, but do not expect them to adopt an ardent defense of NEH, NEA, or NSF. Second, the Republicans, while perhaps dogmatically opposed to all things that appear to fall under the inaccurate banner of "politically correct," are not necessarily opposed to NEH, NEA, or NSF. Their openness to our cause, however, is directly linked to hearing from their constituents who can relate to them actual cases of support from NEH, NEA, or NSF. These cases are more credible if they are made by individuals, not by groups or professional societies, and if these anecdotes are told in a personal manner, but without too much detail. Third, it is crucial to inform professional societies and/or lobbying groups about the activity of individuals on the Hill. Lobbying groups lack power in the present climate in Washington unless they can make the case that they represent individuals who actually live in the congressional districts represented by the political leaders being lobbied. At this point in the budget process, our national leaders are becoming intensely interested in the "folk back home."

On a more positive note, Ron Overmann reported to me that the National Science Board made strong statements of support for the social and behavioral sciences at NSF when it passed a resolution on 12 May endorsing this aspect of the NSF's mission. Following this ringing endorsement, just about every major scientific organization in the country, ranging from AAAS to the American Society of Zoologists, has sent letters of support for NSF. In addition, the early indication from appropriation committees is that NSF will not receive any major reductions, except in the category of Major Research Equipment (the appropriation situation may have changed by the time you receive this newsletter).

Nevertheless, HSS members must remain diligent! Again, I urge you to write your congressional representatives to tell them what these proposed cuts mean for your career. I especially urge those of you who have received NEH or NSF funding during the past five years to write to your congressional representatives. Finally, I implore those of you who live within the congressional districts of representatives who serve on appropriation committees for NEH and NSF to write to these representatives. Please remember to send me copies of your letters, copies of which I will forward to the National Humanities Alliance (NHA), our major lobbying agency in Washington.

The VA-HUD Subcommittee of the Appropriations Committee oversees NSF appropriations in the House. Its members are Jerry Lewis (R-CA), Tom DeLay (R-TX), Barbara Vucanovich (R-NV), James Walsh (R-NY), David Hobson (R-OH), Joseph Knollenberg (R-MI), Rodney Frelinghuysen (R-NJ), Mark Neumann (R-WI), Louis Stokes (D-OH), Alan Mollohan (D-WV), Jim Chapman (D-TX), and Marcy Kaptur (D-OH). If you have any questions about the possible role of your local representatives in these debates, please feel free to contact me or to call John Hammer or Cos Vu at the National Humanities Alliance (202-296-4994).

It is also important for all of us to remain optimistic during these troublesome legislative times. Ron Overmann, in particular, would like us all to function academically and professionally as if NSF will receive its full appropriations. That is, keep writing those grant applications! Support within the Science and Technology Studies Program (STS) remains committed to seven basic categories: STS Scholar Awards; grants for collaborative research or infrastructure projects; Professional Development Fellowships (PDF); Post-doctoral Fellowships in STS; Dissertation Research Grants; Small Grants for Training and Research (SGTR); and conferences and workshops. For additional information, contact: STS Program, NSF, Room 995, 4201 Wilson Blvd., Arlington, VA 22230, (703) 306-1743; (703) 306-0485 (FAX).

Keith R. Benson, Executive Secretary

NEWS OF THE SOCIETY: AMY LANEFEAR, EXEC ASST, RESIGNS

We regret to announce that Amy Lanefeer has been lured away from the Society by the Microsoft Corporation. Amy had been at the Office of the Executive Secretary in Seattle since 1993 and was instrumental in making it the professional, efficient office we have all come to count on. She will be missed throughout HSS. Good luck Amy!

Amy's departure coincides with a new email address for the Executive Office: lannefeer@u.washington.edu. Keith Benson's email address remains the same (krbenson@u.washington.edu). In addition, the University of Washington has assigned the HSS Executive Office a new address: HSS Executive Office Box 351330 University of Washington Seattle, WA 98195-1330 All other numbers and communication services remain the same!
News of the Profession:

Al Van Helden elected HSS Vice-President
Jed Buchwald a MacArthur Fellow

1995 HSS Election Results

The 1995 election results are official. Albert Van Helden of Rice University has been elected Vice-President (and President-elect) of HSS for a term beginning in January, 1996. Current Vice-President Fred Gregory will become President in January, 1996, when current President David Lindberg steps down. Other candidates elected are:

Council
Shirley Rae (University of Connecticut)
Joan Cadden (Kenyon College)
Mitz Greene (University of Puget Sound)
Anita Guarini (University of California, Santa Barbara)
Roger Hahn (University of California, Berkeley)

Nominating Committee (from Council):
Rachel Label (University of Hawaii)
Paul Fairher (Oregon State University)
Margaret Oster (University of Calgary)

Nominating Committee (at large):
Marilyn Ogilvie (University of Oklahoma)
Peter Deser (Cornell University)

Buchwald receives genius grant
from MacArthur Foundation

Jed Z. Buchwald, Director of the Dibner Institute at MIT, has been selected as a MacArthur Fellow for 1995. Buchwald, a specialist in the scientific revolution, joins a distinguished list of historians of science to be chosen for the prestigious award.

Adler Exhibit puts the Universe
"In Your Hands"

The Adler Planetarium of Chicago now offers visitors a new way to explore space—by transporting them back in time. A new permanent exhibition, "The Universe In Your Hands: Early Tools of Astronomy," recreates the social and scientific setting of Europe and the Islamic world of the Middle Ages to show how people used the sundials, astrolabes, armillary spheres and other astronomy tools from Adler's world-renowned collection of early scientific instruments. "Medieval Star Finders," a new sky show complementing the exhibition, was recently opened. Adler celebrated opening day with a "Medieval Faire" including knights on horseback, guides in period costume, a family activity booth, live demonstrations and medieval music and dancing.

"The Universe In Your Hands" portrays the Universe as it was viewed by the monks, scholars, university students, farmers and nobles who used the instruments in the Middle Ages (A.D. 1200 to 1500). "Some used the tools to explain theories about the way the planets, Sun and stars moved through the sky," said Patricia McNamara, Adler's Manager of Education and the manager of the exhibition. "Some relied on them for information, like telling time or finding the direction of Mecca. Some owned the instruments simply because they valued their beauty and craftsmanship. Things were very different hundreds of years ago, and we use details of daily life to give the tools a meaningful context," McNamara said.

"The Universe In Your Hands" displays more than one hundred instruments and evokes the Middle Ages through an interactive medieval university classroom and reproductions of paintings and woodcuts showing people who made and used the tools. Visitors can pass through a reproduction of "Trés Riches Heures" ("Very Rich Hours"), a Christian prayer book owned by the French Duke of Berry illustrating the months of the year with colorful scenes of...
Adler opens spectacular new exhibit

banquets, engagement ceremonies and farming chores. Visitors are asked to look for details in the pictures such as the fabric of a nobleman’s clothes, a farmer planting turnips or a group of dogs roaming the dinner table. The pictures are accompanied by images of the sky, Sun and stars, and give visitors a feel for the lives, manner and customs of medieval European agricultural society.

The exhibit makes use of eighteen interactive and hands-on components, which Adler tested extensively with visitors before incorporating them into the exhibit. "A good way for people to understand how the tools work is to handle the instruments and use them to solve simple problems," McNamara explained. "At one of the hands-on stations, you can pick up a brass replica of an astrolabe to see how heavy it is. Nearby you can use a model of an astrolabe to measure the height of a simulated star. By using some of these tools, visitors learn something about how the sky works, how the instruments work, and how they relate to one another."

This innovative method of exhibiting the collection is a dramatic departure from the past, when the instruments were arranged in glass cases with explanatory text underneath. Supervising the transformation with McNamara were former History of Astronomy Curator Dr. Lisa Taub (now curator of The Whipple Museum of the History of Science at Cambridge University) and Curators Emeriti, Roderick and Marjorie Webster. The production team also consulted with an advisory panel that included Dr. Owen Gingerich, professor of astronomy and the history of science at Harvard University; Dr. William Walton, staff scientist emeritus at the Science Museum of Virginia; and Dr. Alice Walters, Assistant Professor of History at the University of Massachusetts at Lowell.

"Scholars and researchers have long praised our collection, which is one of the three best in the world and certainly the largest of its kind in the United States," said Adler president Paul Knappenberger. "Our challenge was to exhibit the collection in a way that would be stimulating, intriguing and useful for our visitors. In "The Universe In Your Hand," we are presenting objects that are rare, beautiful and valuable, not only as historical artifacts but as points of entry into the scientific minds of previous generation."

The Adler Planetarium is located at 1300 S. Lake Drive; parking is available or take public transportation from downtown. Admission (includes access to exhibits and the sky show) is $4.00 for adults and $2.00 for children 4-17, and $2.00 for senior citizens. Children ages 3 and under are free. Building hours are 9 am to 5 pm Saturday through Thursday and 9 am to 9 pm on Fridays. For more information telephone (312) 922-STAR.

Italian instrument maker Alex Roversi crafted this brass astrolabium in 1562. Astrolabiums model the relationship of the Earth, stars and planets. "Astrolabium" comes from the Latin word meaning bracelet and refers to the cage of rings surrounding the central Earth, which in medieval times was generally considered to be at the center of the Universe.

This medieval astronomer-monom takes visitors back to the year 1295 for a different view of the heavens in the Adler Planetarium sky show, "Medieval Star Finders."

By Julie R. Newell, Southern College of Technology, with assistance from Moran Topham

This report covers searches made during the 1992-93 academic year for positions beginning before the fall of 1994. In previous years, searches were included in the HSS employment survey report on the basis of their having been advertised since the last report. This resulted in positions from different academic years being included in a single report. Beginning with last year's report, searches are to be included in the report for the year in which the position begins. Thus, one artifact of the transition from the old system is that some of the data represented below was gathered with the old questionnaire and some was gathered with the new questionnaire. Besides differences of format, the new questionnaire accidently excluded the question intended to gather information on the fields of training of applicants. This report is based on 22 surveys that were returned for searches related to positions beginning before fall 1994.

The respondents in three of these surveys indicated that their searches did not apply to positions intended for the 1993-94 year and these responses were omitted from the data tables and discussion below. The remaining 19 searches resulted in the hiring of 15 individuals out of a total of approximately 1,314 applications submitted. Admittedly, several individuals are likely to have applied for more than one of the positions, but even the fact that the responses document only 15 hires is cause for considerable concern. While the data-gathering mechanism is far from perfect (and under revision), the low numbers it generates reflect the anecdotal evidence provided by numerous of our colleagues searching for ways to apply their graduate training to making a living.

Last year's report could only be attempted with the caveat that the small numbers of returns made extrapolation from the figures and comparisons of percentages extremely problematic, and this year's report suffers a similar but exacerbated difficulty. As I pointed out then, "the numbers are so small that small errors, uncertainties, or ambiguities easily generate large swings in percentages. . . . Errors, uncertainties, and ambiguities abound." In addition, both reports are skewed to a greater or lesser degree by the changes in the period covered and the revisions in the questionnaire. The 1990-91 report included 42 positions, the 1991-92 report included 48 positions (although focusing on the 37 United States positions), and last year's report included 22 searches and 23 positions. The numbers are down yet again with this year's 19 searches/positions and 15 hires. In what follows, the numbers in square brackets are carried forward from last year's report for comparison purposes.

Excluding the one search for which no information on applicants was available and remembering that several respondents provided estimates rather than actual counts, 1,314 applications were received for 18 positions (an average of 73 [60.3]). The 14 permanent positions drew 1,168 applications (or an average of 83.4 [67.4]). The 5 temporary positions together attracted 166 applications (or an average of 29.2 [15—over half for a single position]).

The form used to gather data for this report asks for the number of male applicants, female applicants, and minority applicants. In an attempt to increase both the number and the accuracy of responses to this question, the new version of the survey instrument is divided into two parts and asks that the second part be forwarded to the campus affirmative action office if necessary. Still, responses tend to be incomplete or lacking entirely. Often respondents can provide gender and protected class information only for their short-list candidates, and even that may be incomplete. For the 14 positions for which applicants were identified by gender, there were a total of 906 applications. 454 (72.2%) [71.2%] came from males. For the permanent positions, the disparity is almost identical with 560 (73.7%) [71.9%] males among 760 applicants. The 15 filled positions went to 7 (46.7%) [36.8%] male candidates and 8 (53.3%) [63.2%] female candidates. For the 15 permanent positions, 61.5% [75%] (8) of the successful candidates were women.

The applicants reflected in these survey responses were predominantly Ph.D.s and 16 of the 19 searches required that applicants hold the Ph.D. Recent graduates did particularly well among the hires, however, with at least 6 individuals who received their degrees in or after 1991 hired for these positions beginning in the 1993-1994 academic year.

Even with the lack of continuity caused by revising the data gathering system for these annual reports, the constant decrease in number of positions coupled with the increase in the number of applications per search indicates a serious problem facing both new graduates and scholars in the history and philosophy of science, technology, and medicine who have not yet secured permanent positions. Three of the survey respondents seem to have described the situation fully. "There is an oversupply of excellent candidates," commented the first. "Application pool with Ph.D.'s in History of Science was highly qualified, and few had permanent positions," added the second. But many of us can identify with the frustration of the third respondent: "We had a number of strong candidates, both with history of science credentials and without. I'd like to think they all ended up with good positions, but that doesn't seem the way things go these days."

Job listing available on internet

Positions open are announced below, on pages 30 - 31. Notices of job announcements are available on HSSJOBS, an electronic bulletin board 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/user-supported/hss, under the filename jobs.heav. Contact your local computer network department for detailed instructions on how to log on to the HSSJOBS electronic bulletin.
### 1993-1994 Employment Survey: Tabulated Results

#### Category I: HP/STM was the Desired Area of Expertise

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#### Category II: HP/STM was the Desired Secondary Area of Expertise

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#### Category III: HP/STM was One of Several Possible Areas of Expertise

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### Notes

#### Key to the Table

- **Field:**
  - S: History of Science
  - T: History of Technology
  - M: History of Medicine
  - P: Philosophy of Science
  - N: History of the nation
  - O: Medical Doctor

- **Background:**
  - C: Ph.D. Required
  - A: Archival Training, Experience
  - T: Teaching American or Western History

- **Advertising Media:**
  - 1: AFM Newsletter
  - 2: Manuscript for Higher Education
  - 3: ASK Newsletter
  - 4: TLE Newsletter
  - 5: ID Newsletter
  - 6: Table of Contents

- **HR: No Reply**

The employment survey is compiled annually by Julie R. Newell. Questions may be addressed to her at: the Humanities and Social Sciences Department, Southern College of Technology, 1190 South Marietta Parkway, Marietta, GA 30062; phone (404) 528-7481; E-mail: jsnewell@ctc.edu.
Where are trade books by historians of science?

An Editor's Plea

[Editor’s note: For many years, Elizabeth Knoll has attended the HSS annual meeting representing various university presses. Elizabeth asked me if it would be possible to publish the following “personal perspective” on publishing in the history of science. We agreed to do so. Elizabeth’s comments are meant to inspire us, not to take us to task. KRB.]

What you are reading is an editor’s plea. Where are the trade books written by historians of science? Where are the ambitious and accessible books that bring this subject to a broad, educated audience? Where are the large, provocative arguments? Where are the illuminating and wide-ranging essays that draw in the non-specialist? Where are the introductory surveys for beginning students, the overviews for graduate students, and the guides for the perplexed?

As a former university press editor and a graduate of the Committee on the Conceptual Foundations of Science at the University of Chicago, I have been watching the field of history of science for almost fifteen years. In some ways it is an inspiring sight. So much brainpower! So much seriousness and integrity! So little cheapness! So little gimmickry! And the people are nice, too.

Now I have moved to a commercial publisher, W.H. Freeman & Company, the book arm of Scientific American. Freeman’s reputation for scientific quality and integrity is a wonderful opener of doors for me as I talk with scientists about writing popular books. They look at the Scientific American Library volumes, at David Cassidy’s and Evelyn Fox Keller’s wonderful biographies of Heisenberg and Barbara McClintock, at Ivan Peterson’s The Mathematical Tourist or Steven Weinberg’s The Discovery of Subatomic Particles or Martin Gardner’s books of paradoxes and puzzles, and trust us to be, as one put it, “a class operation.”

I would love to be able to continue working in the history of science. But now I have to face the bad news that has been creeping up even on university presses in recent years: Historians of science write monographs. And monographs don’t sell. Or rather, they sell 400 copies in their lifetime. That’s not enough to satisfy a commercial press — and, increasingly, it’s not enough to satisfy even a nonprofit university press. When I was a university press editor I published some admirable books that were very well written, deeply researched, imaginatively and seriously thought out — about subjects that interest a very, very few people with high IQs and limited book budgets. Since university press books don’t sell as well as, say, the novels of Danielle Steel, their unit costs are higher and inevitably that’s reflected in the price. How happily and how often do you, Dear Reader, shell out $40 or $50 or $60 for a book that isn’t absolutely central to your own research? Probably not as often as university press editors wishfully hope you will.

And libraries are not the captive markets that academic publishers have assumed they were. As libraries cut their budgets, and the buzzword among librarians becomes “access” to information rather than “ownership” of information, the sales of monographs will drop still further. Sooner or later even university presses with an honorable history in this field will have to cut back.

So there are pragmatic reasons for historians of science to broaden their scope and tackle bigger subjects.

There are good intellectual reasons to do so, too. Since most of you are teachers as well as scholars, start with the pedagogical need. What books can you give to undergraduates as an overview? History of science has remarkably few general survey books, almost all of which are now dated, focusing largely on history of ideas, and Northern European and American ideas at that, with unfortunately few references to new scholarship, important ideas from cultural studies, or non-European (or even Southern European!) science.

But let’s look beyond the academy entirely. Suppose someone — say, one of those smart people who went to law school, became a corporate lawyer, and has regretted it ever since — asks what you do, and you tell them, and they get intrigued enough that they want to know more. (This has happened to me now and then so it must have happened to you, too.) You can’t give them the last ten years of Isis or an armload of deep and narrow monographs: what do you suggest they read?

It’s hard to come up with a long list. The irony (at least for me) is that some of the books I might suggest — for instance, Richard Rhodes’s The Making of the Atomic Bomb or Ivans Peterson’s Newton’s Clock or Timothy Ferris’s Coming of Age in the Milky Way or Susan Quinn’s new biography of Marie Curie or James Gleick’s biography of Feynman — are written by journalists. Sometimes historians of science think these books are woolgathering or lightweight at best — so why do not a better job, and do it first? There is an audience.

There is a market. And there is a need.

I often think it’s absurd that someone like me, who went to college in the freeform 70s, majored in Comparative Literature, and took not one single real science course, ended up as a science editor, with a PhD in the history of science. But the fascination is clear enough: for the last 300 years, what has counted as real knowledge has been science. In its modern triumph, science has been rather in the position of the great Bulllit classicalist Benjamin Jowett, at the end of the 19th century.

Here I come, my name is Jowett. If it’s knowledge, then I know it. I am the Master of this College.

What I don’t know isn’t knowledge. But in the tumult of the late 20th century, what counts as science, and when, and to whom, and why? After years of history of science seminars and books and HSS meetings, I know that historians of science have illuminating and arresting things to say on this question. I’d like to see you say them to the wider world.

— Elizabeth Knoll
Editor, W.H. Freeman and Company
Recent Publications

Problems of Post-Communism

Problems of Post-Communism is the successor to the respected Problems of Communism, which ceased publication in mid-1992. The editors of Problems of Post-Communism are committed to preserving the qualities that won Problems of Communism a wide international readership. Problems of Post-Communism features readable analysis, reliable information, and lively debate about the communist and post-communist world, with an emphasis on thoughtful but timely coverage of current economic, political, and international issues. The magazine serves as a meeting ground for scholars, researchers, and policy-makers affiliated with multinational, governmental, non-governmental, and private sector institutions and organizations from around the world who are professionally concerned with communist and post-communist affairs.

The editorial home of Problems of Post-Communism is the Institute for European, Russian, and Eurasian Studies at the George Washington University, Washington, DC. Manuscripts submitted for consideration should be addressed to: Problems of Post-Communism, 2310 H Street NW, Suite 601, Washington, DC 20052; telephone: (202) 994-3962; e-mail: popo@gwu2.circ.gwu.edu. Manuscripts should be submitted in two hard copies along with a WordPerfect 5.1 diskette. Articles should be documented with data that will be of real value to readers (tables; graphs; charts; survey results; timelines; maps; excerpts from documents or interviews; "guides to" parties, political figures, programs, etc.). Supply essential bibliographical information unobtrusively in the text or in a note on sources. Contributors are encouraged to consult the brochure Information for Contributors to Problems of Post-Communism available upon request.

Critical Issues in American Nursing in the Twentieth Century

The Foundation of the New York State Nurses Association Incorporated announces publication of the proceedings of a conference co-sponsored by the Foundation and the Rockefeller Archive Center. The volume, entitled Critical Issues in American Nursing in the Twentieth Century: Perspectives and Case Studies, probes three critical issues: Civil and Military Nursing in World War II; Cultural Diversity in Nursing; and the Professionalization of Nursing. Contributors include these leading professionals in nursing and historical scholars: Julie Pavl; Elizabeth Norman; LTC Iris J. West; Wanda C. Hoestas; M. Elizabeth Carnegie; Darlene Clark Hine; Carol B. Hetem; David Coats; Barbara Boudin; Veronica M. Driosti; Loretta C. Ford, John Farley; Nettie Birmbach. Edited by Darwin H. Stapleton and Catharine A. Welch, this publication advances understanding of the nursing profession and health care history. It will entice, focus and inform future scholarly inquiry. The volume sells for $20.00 plus shipping and handling. For order forms, write to: Foundation of the New York State Nurses Association, 2113 Western Avenue, Guilderland NY 12084.

Science Sources 1995

AAAS announces publication of Science Sources: 1995 (formerly known as "The Green Book"). This publication provides you with the contact name, address, phone and fax numbers, and internet address (when available) from over 1,000 scientific institutions. Science Sources contains listings of: AAAS Sources; Congressional Committees; Federal Agencies & Labs; Non-Profit Research Institutions; State Academies of Science; Colleges & Universities; Corporate & Industrial Research Centers; Science & Technology Museums; Scientific Professional Societies; International Listings. This year the international section has been increased to 107 listings from 22 countries. To order your copy ($13.00 for AAAS members, $15.00 for non-members) call 1 (800) 222-7809 or write to PMDS AAAS Distribution Center, P.O. Box 521, Annapolis Junction, MD 20701. For other questions about Science Sources, please call (202) 326-6440.

Le cheval et les autres équidés: aspects de l'histoire de leur insertion dans les activités humaines.


Recently Completed Dissertation


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Recently Completed Dissertation

# HSS Annual Meeting, 26-29 October 1995

## Conference Registration Form

Forms and payment by check or money order must be received by 2 October 1995 to avoid late fee. Please return to History of Science Society, Attn: HSS Conference, University of Washington, Box 351330, Seattle, WA 98195-1330, USA.

Phone (206) 543-9366; Fax (206) 685-9544.

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

Full refund if request received by 2 October 1995. Exceptions to registration and refund deadlines cannot be made.
PRELIMINARY PROGRAM
HSS ANNUAL MEETING, 26-29 OCTOBER 1995
MINNEAPOLIS/ST. PAUL, MINNESOTA

The following represents the provisional 1995 HSS Annual Meeting Program. Last minute changes for the final program should be sent to the HSS Executive Office, University of Washington, Box 351330, Seattle, WA 98195-1330; (206) 543-9566, FAX (206) 685-9544; email hssexec@u.washington.edu.

Committee meetings may change before the meeting and the exact location of all events will be listed in the final program.

Thursday, 26 October
REGISTRATION, 12:00-5:00 pm
HSS COUNCIL, 1:00-5:00 pm
OPENING RECEPTION, 5:30-7:30 pm
PLENARY SESSION, 7:30-9:00 pm

Friday, 27 October
9:00-11:45 am
* Indicates session organizer(s)
REGISTRATION, 8:00 am-5:00 pm
BOOK EXHIBIT, 9:00 am-5:00 pm
DINNER VISITING HISTORIANS OF SCIENCE, 8:00-9:00 am
COMMITTEE ON INDEPENDENT SCHOLARS, 8:00-9:00 am
COMMITTEE ON FINANCE, 9:00-12:00 noon

1. Disease and Identity
Chair: Eric Caplan (University of Chicago)
*Daniela Barbieri (University of Chicago): "Charcot’s Construction of the Self"
Allen Winter (California Institute of Technology): "Science of the Mind and Medical Identity in Early Victorian Britain"
Paul Lerner (Columbia University): "Jewish Neurologists in the 'German National Cause': Diagnosis and Identity in World War I"

2. Constructing Deviants in Nineteenth- and Twentieth-century Mental Science
Chair and Commentator: Elizabeth Laudeh (Princeton University)
Cheryl Ramey (University of Chicago): "Time as Toretto: A Day in the Life of a Black Forest Asylum"
"John Carson (Wellcome Institute): "Between Law and Medicine: Mental Deficiency and Medical Jurisprudence"
Stephanie H. Koven (University of California, Berkeley): "The Current Hysteresis Over Sex Offenders: Alfred Kinsey and the Study of Child Molestation"
Jeff Bann (York University): "Constructing the Suspect: Examining the History of the Lie Detector"

3. The Naturalist Abroad: As Work in the Field
Chair: Philip F. Kover (University of Hawaii)
Commentator: Henrik Hvidberg (University of Pennsylvania)
*Sandra Herbert (University of Maryland, Baltimore County): "Charles Darwin: Writing Up in the Field"
Jane Cameron (Independent Scholar): "Victorians in the Field"
*Elizabeth A. Hamann (University of Pennsylvania): "Popular Science in the Field: Collecting Animals for the National Zoo, 1897-1940"

4. Revisiting American Biology Revisited
Chair: Philip Pandy (Rutgers University)
Barbara A. Kimball (Philadelphia College of Textiles and Science): "Missing Links: Botany, Breeds, and Evolution, 1880-1920"
Mark T. Hemel (University of Pennsylvania): "Table Settings: Tracking Research Techniques in American Food Science, 1880-1932"
CO-Commentator: Jane Malinowski (Arizona State University) and Philip Pandy (Rutgers University)

5. Reference Works in the History of Science
Chair and Commentator: Marc Reuveni (Smithsonian Institution)
Clark A. Elliott (Harvard University): "Reference Tools and the Definition of a Field: The Case of History of Science in the United States"
Gregory A. Good (West Virginia University): "Boundaries, the Earth, and History: The Value of Casting the Net Widely"
John Lamford (Kansas State University): "Can (should) Reference Works be Subjective, Value-Free, and Neutral? A Rhetorical Question"
Helen W. Selig (Hampshire College): "Making an Encyclopedia on the History of Non-Western Science"

6. Cosmic Crucibles: From Rhetoric to Reality
Chair and Commentator: Martin Haveri (Smithsonian Institution)
Barbara Becker (Southwest Regional Laboratory): "Intimate Relations: Breaching the Boundary between Terrestrial Physics and the Physics of the Sidereal Heavens"
David DeVerne (Smithsonian Institution): "A Reconnaissance of New Territory: Astronomers Confront the Atom, 1900-1940"
PRELIMINARY PROGRAM, HSS ANNUAL MEETING 1995

Friday, 27 October
1:30-3:10 pm
* Indicates session organizer(s)

9. Late Medieval and Early Modern Science
CHAIR: Michael Shank (University of Wisconsin, Madison)

Alexander Dhamani (Independent Scholar): "Imperius Theories of Motion in Medieval Islamic Natural Philosophy"

Gail A. Russell (Texas A & M University): "Venusian and Humayun Ibn Istakh on the Eye: A Case of Perceptual Determinism in Ocular Iconography"

Steven Evansley (University of Wisconsin, Madison): "Flexy"

Ofer Gal (University of Pittsburgh): "Producing Knowledge in the Workshop II: Hooker's Clocks and Hooker's Law"

H. Floris Cohen (Dibner Institute for the History of Science): "Toward a New Big Picture of the Scientific Revolution: Some Introductory Considerations"

10. Science and Ideology
CHAIR: Ben Harris (University of Wisconsin, Parkside)

Chris Dickson (Clemson University): "Kropotkin and the Science of Anarchism"

R. Lanius Anderson (Harvard-College): "Riccioli and Diletté on the Human Sciences"

Jennifer Alexander (University of Washington): "Efficiency: A Scientific and Social Value in Weimar Germany"


11. Enlightenment Science and the Public Sphere
CHAIR: Thomas L. Hawkins (University of Washington)

Leslie Hansen (California State University, Fullerton): "Dissecting the Soul: Karl Philipp Moritz and Psychology's Public Sphere"

Michael Lynn (University of Wisconsin, Madison): "The Populization of Natural Philosophy in Enlightenment France"

12. Science and Race
CHAIR: Evelyn Hammonds (Massachusetts Institute of Technology)

Amy Ashmore (Iowa State University): "The Question of Race: James Cowles Prichard and Nineteenth-century Ethnology"


Tracy Turnbloom (University of Chicago): "Anomalous or Standard: Racial Science on Display at the Field Museum of Natural History"

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

13. Physicists
CHAIR: Roger Snower (University of Minnesota, Minneapolis)

dskn A. Kostroun (University of California, Berkeley): "Another Look at the Origins of Statistical Physics"

Aron F. Chalmers (University of Sydney): "Maxwell's Lagrangian Formulation of Electromagnetic Theory"

John Jenkins (La Trobe University): "Henry Who—Henry Henneman Leopold Adolph Brüe, An Unknown Scientist Whose Influence was Nevertheless Profound"

Carl Hall (Harvard University): "Lew Landau and the Agnostic Field"

Cymone Gavrik (Boston University): "Theoretical Physics in Social Practice"

14. 20th-century Biomedicine
CHAIR: Rina Apple (University of Wisconsin, Madison)
Preliminary Program: HSS Annual Meeting 1995

13. Science in Universities and Research Schools
Chair: Jim Capesius (Indiana University)
Bernt Thuenius (Utrecht University): "Dutch Universities and the "German Model": The Case of Pieter Haring"
Franz van Lunsen (University of Utrecht): "From Measurement to Knowledge: The Rise of Experimental Physics in the Netherlands"
George R. Sarton (Princeton University): "The Concept of Research Schools, Applied to Rowland's School of Light"
Emily Marxen (Harvard University): "Popular Hierarchies to Diffusion: John F. Fulton and Transition in the Brain Sciences"
Nadine Weissman (Harvard University): "Defining Interdisciplinarity: The 'Science of Man' at Yale's Institute of Human Relations"

14. Foundations of Scientific Knowledge
Chair: Arlen Tuchman (Vanderbilt University)
Linda Means (Pacific Northwest College of Art): "Stage Magicians, Spiritualists and Science in the Late Nineteenth Century"
Stephen P. Wedeen (University of Wisconsin, Madison): "Defending Science Against Religion: Secular Intellectuals in Modern America"
William C. Summern (Yale University): "Concept Migration: The Case of the 'Target Theory' in Physics and Biology"
G. C. G. (Truey) Devan (University of Groningen): "Transfer of Thought, Transfer of Training, and Controlled Randomized Design"

Friday, 27 October
3:30-5:30 pm
* Indicates session organizer(s)

17. Toward a Philosophy of the Mind
Chair and Commentator: R. Steven Turner (University of New Brunswick)
Michael Freemann (University of Chicago): "Embodiments of Will: The Investigation of Motor Physiology in Greek Antiquity"
"Karl Galle (University of Chicago): "Galvanism and the Physiological Demarcation of Sensation, Wolition, and Involuntary Movement"
Gary Hagstof (University of Pennsylvania): "The Development of Natural Scientific Psychology: History and Myth"

18. Scientists as Theologians
Chair and Commentator: Edward R. Davis (Messiah College)
Michael W. Thace (Gonzaga University): "Albert the Great: A Theologian on the Possibility of a Natural Science"
William B. Carroll (Cornell College): "Galileo at Counter Reformation Exegesis"
Kathy J. Cooke (Quinnipiac College): "Edwin Grant Conklin: The Theology and Science of Human Progress"

19. Biography and Styles of Science
Chair and Commentator: Ronald Brachot (The Huntington Library)
Barbara Ferber (Smithsonian Astrophysical Observatory): "Harlow Shapley: The Daring Young Man With the New Cosmic Keys"
Gale E. Christianson (Indiana State University): "Edwin Hubble: No Demystified Reality of Speculation"
Den Osterbroek (Lick Observatory): "Walter Baade: Columbus of the Cosmos"

20. Contested Science in Seventeenth-Century France
Chair: Elisabeth Williams (Oklahoma State University)
"Kathleen Weilman (Southern Methodist University): "Science at the Bureau d'Adresse"
"Martha Baldwin (Harvard University): "going for the jugular: Early Blood Transfusion Experiments"
"Beverly Benson Hill (Duke University): "Anatomy and Popular Scientific Culture in 17th-century France"
"Emilie Cohen (University of Minnesota): "Presenting the New Anatomy at the Jardin du Roi: Pierre Dionis in Performance and Print, 1675-1782"

21. The Laboratory and the Classroom: Educational Reform in England, Germany and Sweden, Circa 1900
Chair and Commentator: Kathleen M. Olesko (Georgetown University)
"Mick Nan (Sheffield Hallam University): "The Introduction of the Physics Laboratory in School Science Education: Keeping Scientists in Their Place"
"Richard Stanley (University of Cambridge): "Industrial Competitions and Science Education: Comparing Cultures in the Anglo-German Education Reform Debates, Circa 1900"
"Thomas Kaiserfeld (Royal Institute of Technology): "The Teacher in the Laboratory: The Introduction of Experimental Work in the Swedish Secondary School Science Curricula, 1905"

22. Strangers in the Land
"David L. Sponsel (Harvard University): "To Ruin or Rule Us?: American Anxieties About Resident European Geologists from 1812-1842"
"Robert H. Stillman (Emory University): "Lyell and Agassiz in the Launching of American Geology"
"Paul Lacroix (Rensselaer Polytechnic Institute): "Carpetbag Geology: Scientific Consultants in the Reconstruction South"
Commentator: Julie Newell (Southern College of Technology)
PRELIMINARY PROGRAM: HSS ANNUAL MEETING 1995

FORUM FOR THE HISTORY OF SCIENCE IN AMERICA, COORDINATING COMMITTEE, 8:00-9:00 am
BOOK EXHIBIT, 9:00 am-5:00 pm

Saturday, 28 October
9:00-11:45 am
* Indicates session organizer(s)

25. What Makes Us Move?
CHAIR AND COMMENTATOR: William Provine (Cornell University)
Mary Mother Fleisher (Smith College): "Moving in Space, Marching in Time: The Weber Brothers"
Onna G. Meijer (Free University): "No Two Movements are Ever the Same: Nikolai Bernstein"
Rob Bongardt (Free University): "Quick and Dirty Moves: Gel'fand and Tsetlin"
William B. Provine (Cornell University): "The Science of Life: Evolutionary Perspectives on Movement Science"

CHAIR: Evelyn Hammonds (Massachusetts Institute of Technology)
CO-ORGANIZERS: HSS Committee on Women Co-Chair, Angela N. H. Coe (Princeton University) and Evelyn Hammonds (Massachusetts Institute of Technology)
Allan Li (Yale University): "Negotiating Meanings: Hormones in Defining Sex and Gender"
Evelyn Fox Keller (Massachusetts Institute of Technology): "Developmental Biology as a Feminist Cause"
Linda Scheibner (Pennsylvania State University): "Gender Analyses of Science: Is Critique Enough?"
Toni Hopper (Princeton University): "Radioactive Ladies and Gentlemen: Women and Men of the Radioactivity Community, 1919-1939"

COMMITTEE ON WOMEN, 5:30-7:00 pm
HSS RECEPTION, 5:30-7:30 pm
JSIF EDITORIAL BOARD, 6:30-8:00 pm

COMMITTEE ON DIVERSITY, 8:00-9:00 am
REGISTRATION, 8:00 am-1:00 pm

27. Emile Durkheim and Philosophy of Science
Sponsored by the Society for the History of the Philosophy of Science (HOPOS)
CHAIR: Cassandra L. Pinnick (Western Kentucky University)
Sharon Ganmaw (Riveride Community College): "Functionalism in Sociology and the Problem of Social Change"
Warren Schmaus (Illinois Institute of Technology): "A Functionalist Theory of the Categories"
James Maffero (California State University, Northridge): "Epistemology in the Face of Strong Sociology of Knowledge"
Stephen Turner (University of South Florida): "Durkheim's Prerogative Insturions"
Joan Elizabeth Pedersen (University of Rochester): "Durkheimian Social Science and the Feminist Sociology of Knowledge: A Response to Warren Schmaus's Durkheim's Philosophy of Science and the Sociology of Knowledge"

28. PART I: Shaping the Contours of the 'New Biology', 1930-1960: Redefining Disciplinary Boundaries
PART II: one session 51, Sunday, 9:00-11:45 am
CHAIR: Davis T. Zallen (Virginia Polytechnic Institute and State University)
William Berbee (Washington University): "Defining Cell Biology: Explicit Activities Directed at Defining the Discipline"
D. George Joseph (Yale University): "F. O. Schmidt and the Physiological Tradition in Early Molecular Biology, 1927-1955"
Susan B. Spurl (University of California, Berkeley): "Mediating Among Disciplines from Physics to Molecular Biology: C. B. van Niel's Course in 'General Microbiology', 1932-1962"
Judy Johns Schlegel (Indiana University): "Negotiating the Boundaries of Microbial Genetics: Tracy M. Sonneborn and the Margin and Mainstream in the 'New Biology'"
COMMITTEE: Linda E. Key (Massachusetts Institute of Technology)
PRELIMINARY PROGRAM: HSS ANNUAL MEETING 1995

29. History of Science

Chair: Ronald Raiter (Texas Tech University)

Co-organizers: David K. von Knorr (Naval Research Laboratory) and Ronald Raiter (Texas Tech University)

Committee on Meetings and Programs, 12:00-1:30 pm

Committee on Research and the Profession, 12:00-1:30 pm

Committee on Publications, 12:00-1:30 pm

Saturday, 28 October

1:30-3:10 pm

* Indicates session organizer(s)

30. History of Science and the Rhetoric of Science

Chair: John A. Campbell (University of Memphis)

"Michael S. Reidy (University of Minnesota): "The Historical Development of the Scientific Article"

Joseph Harman (Argonne National Laboratory): "A Rhetorical Approach to the History of the Article"

Alan Gross (University of Minnesota): "The Convergence of Rhetoric and History Illustrated: The Discovery of Chlorine"

Peter Robert Dean (Cornell University): "Rhetoric as Topic and as Tool in the History of Science"

31. Astronomy

Chair: James Evans (University of Puget Sound)

James Evans (University of Puget Sound): "The Life of Numbers: Toward a History of the Star Declinations in Almagest VII, 3"

Richard Kremo (Dartmouth College) and Jerzy Dobrogosz (Institute for the History of Science, Warsaw): "Ptolemaic and Maraghai Astronomy: The Astronomical Tables of Johannes Angelus and their Implications"

Rienk H. Vermeij (University of Groningen): "The Debate on Copernicanism in the Dutch Republic in the Seventeenth Century"

Thomas G. Preussel (Oregon State University): "The Strange and Checkered Career of Carrington's Law"

32. Conservation and Ecology

Chair: Lynn Nyhan (University of Wisconsin, Madison)

Mark G. Madison (Harvard University): "From Plow To Bough: John Barrows and the Origins of Agrarian Conservation"


Sara P. Tjomsen (University of Minnesota): "The Search for Human Ecology"

Enver Cetindogan (Independent Scholar): "Lebensraum and Lebensgemeinschaft: Ecology and Ideology in Interwar Germany"

33. Living Systems in the Age of Reason

Chair: Shirley Roe (University of Connecticut)

Sarah J. Lewis (Yale University): "Jean-Pierre (1622-1674) and Medical Science in Seventeenth-Century France"

Janet Hore (University of Wisconsin, Madison): "The Deviant as Normative: The Scientific Uses of Physical Abnormalities During the Mid-18th Century"

Carla Lopez-Rebans (National University of Mexico): "Les Maladies Hereditaires: 18th Century Disputes in France"

34. Beyond Western Science

Chair: TBA

Fei-Ti Fan (University of Wisconsin, Madison): "Botany in Ch'ing China"

Florence Hsia (University of Chicago): "Antoine Gosseil (1689-1759), Historian of Chinese Astronomy"

Matthew Robert Gundrum (Indiana University): "Confronting the Knowledge of the Other: Early Interpretations of the Mayan Calendar and the Question of a Mayan Astronomy"
PRELIMINARY PROGRAM: HSS ANNUAL MEETING 1995

Akhla Sar (Harvard University): "Saha and the Development of Modern Indian Science"

37. Scientists, Identity, and Professionalization

CHAIR: Susan Linstead (University of Pennsylvania) "Visible Technicians: Science in the Manufacturing Context"

Amy Sloan (Harvard University): "Training Women for Science: Frieda Cobb Blanchard and Her Mentors"

Richard H. Boyer (German Historical Institute): "The Figure of the 'Dangerous Specialist' in Post-1945 Critiques of Science and Technology in Germany"

David Kaiser (Harvard University): "Skins as Tough as Leather: The Making of Young Physicists at Harvard in the 1950s"

Andrei Lusignan (Uppsala University): "Engineers Turned Scientists: The Formation of the Swedish Chemical Society"

38. Modern Physical Science

CHAIR: Diana Berten (California Institute of Technology) "Xiang Chen (California Lutheran University): "The Role of Procedural Knowledge in the 'Optical Revolution'"

Edward Zurnam (Rathenau Fellowship): "The Conceptualization of 'Coherence' in Superconductors"

Andrew J. Woudy (University of Pittsburgh): "Quantum Mechanics Meets the Chemical Bond: A Story of Conceptual Development and Mathematical Representation"

Peter Ramberg (Johns Hopkins University): "Stereochemistry in Germany: Research Schools, Discipline Formation, and National Styles in Science"

Sonia Uyterhoeven (University of Cambridge) "A Plunge into Unmigrated Materialism: Student Debates on Science, Education, and Tripos Reform in Late Victorian Cambridge"

Sergio F. Martinez (Instituto de Investigaciones Filosoficas): "Chance as an Explanatory Factor in Darwin's Theory and its Implications for the Understanding of the Reception of the Theory"

Mavis Ber (University of Notre Dame): "Early Nineteenth-century Science and Society: Sir John Herschel, Scientist, and Political Economy"

Michael J. Crowe (University of Notre Dame) and David R. Dyke (University of Winnipeg): "The John Herschel Correspondence Project"

40. Scientific Institutions in Post-War America

CHAIR: Alan Pang (University of California, Berkeley) "Irving Fernando Elichirigoyen (California Institute of Technology): "From Servomechanisms to Planet Management: The Emergence of System Dynamics"


Judy E. O'Neil (Charles Babbage Institute): "Managing Cold War Science: The Department of Defense's Program in Computer Science Research, 1962-1972"


Saturday, 28 October 3:30-5:30 pm

41. Cancer's Causes: Knowledge and Practices

CHAIR AND COMMENTATOR: Charles Rosenburg (University of Pennsylvania) "Nathaniel Comfort (SUNY, Stony Brook and Cold Spring Harbor Laboratory): "Rous's Reception: Tumor Viruses in the Context of the Germ Theory"

Christopher Seller (New Jersey Institute of Technology, Rutgers-Newark): "Culture of Disbelief: Agronomic Tendencies Enviromental Cancer Among American Medical Researchers of the 1930s and 1940s"

Robert N. Proctor (Pennsylvania State University): "Did Nazi Cancer Policy Influence German Cancer Rates?"

42. Gender and the Pursuit of Knowledge in Early Modern Europe

CHAIR AND COMMENTATOR: Margaret Jacob (The New School for Social Research) Deborah Hardman (Colgate University): "Managing an Experimental Household: The Case of Jane Dee"

Paula Findlen (University of California, Davis): "Perilous Endeavors: The Mural Status of the Early Modern Female Natural Philosopher"

Mary Terrall (Independent Scholar): "Metaphysics, Mathematics and the Gendering of Science in 18th-century France"

43. Postivitians 19th and 20th Century

Sponsored by the Society for the History of the Philosophy of Science (HOPOS)

CHAIR: Don Howard (University of Kentucky) ORGANIZER: Daniel Garber (University of Chicago)

Robert DiSalle (University of Western Ontario): "Reconsidering Ernst Mach on Space, Time, and Motion"

George A. Reigh (University of Chicago): "How Postmodern was Neurath's Idea of Unified Science?"

Gisal Izuk (Bogazici University): "Linguistic Frameworks, Theories, and Normal Science"

COMMENTATOR: Alan Richardson (University of British Columbia)

44. The Provinces and the Biomedical Sciences: A Comparative Perspective

CHAIR: *Elizabeth A. Williams (Oklahoma State University)

Ania Guerrero (University of California, Santa Barbara): "A Scot Abroad in the Eighteenth Century"
PRELIMINARY PROGRAM: HSS ANNUAL MEETING 1995

Elizabeth A. Williams (Oklahoma State University): "Vitalism and the Montpellier-Paris Rivalry"

Marsha Richman (Wayne State University): "Romanticism and the Institutionalization of Naturphilosophie in Bavaria"

COMMENTATOR: Thomas Brown (University of Wisconsin, Madison)

65. Galileo and the Churches
CHAIR: Richard S. Westfall (Indiana University)
Giancarlo Nomani (University of Gaglaria): "Bishop Wilkins and Galileo"
Michael Segre (University of Munich): "Galileo, John Paul II and Ex包括ure"

Mauricio Finocchiaro (University of Nevada, Las Vegas): "Toward a Critical History of the Galileo Affair, 1633-1995"

COMMENTATOR: Robert S. Westman (University of California, San Diego)

46. PART II: The Earth Sciences in the Postwar Period
PART I: see session 30, Saturday, 9:00-11:45 am
CHAIR: Michele Albrich (American Association for the Advancement of Science)

*David K. van Komen (Naval Research Laboratory): "Dolling To The Mantle: Project Mobile and Federal Support for the Earth Sciences After Sputnik"

Kai-Henrik Barth (University of Minnesota): "Detecting The Cold War: Seismology and Nuclear Weapons Tests"

COMMENTATOR: Michael A. Dennis (Cornell University)

47. Varieties of Experiment
CHAIR AND COMMENTATOR: Phillip Sloan (University of Notre Dame)
Rose-Mary Sargent (Merrimack College): "Exploratory Experiments: Scientists at Play"

Craig R. Stilwell (Michigan State University): "Reaping the Errors of Nature: 'Experiments of Nature' in 20th-century Medical Science"


COMMENTATOR: Thomas Brown (University of Wisconsin, Madison)

48. Becoming a Scientist: Observation, Theory and Aesthetics in Twentieth-century Cosmology
CHAIR: Joann Eisberg (University of California, Santa Barbara)
Heide Kragh (University of Oslo): "Art, Dogma, or Science? The Discussion of Cosmology's Scientific Status in the 1950s and 1960s."


Jo Ann Palmeri (University of Oklahoma): "Scientists and the Postwar Popularization of Cosmology"

Joann Eisberg (University of California, Santa Barbara): "A Brief, Bright Pattern: Beatrice Tinsley, Cosmology, and the Evolution of Galaxies."

HSS LECTURE, 6:00-7:00 pm
RECEPTION, 7:00-8:00 pm
HSS BANQUET, 8:00-10:00 pm

Sunday, 29 October

HSS BUSINESS MEETING, 8-9 am
BOOK EXHIBIT, 9:00-12:00 noon

Sunday, 29 October
9:00-11:45 am
* Indicates session organizer(s)

49. Psychotherapy in North America
CHAIR AND COMMENTATOR: Anne Harrington (Harvard University)

Nancy Pad (University of Pennsylvania): "Seeing One's Problems Frankly in the Face: Moral Revaluation at Psychotherapy, 1900-1920"


Rachel J. Rimer (York University):

"Is Cognitive Therapy a Wolf in Sheep's Clothing? The Psychoanalytic Agenda of Aaron Beck's Cognitive Therapy"

50. Science and Religion in Early Modern Europe: New Perspectives
CHAIR: Margaret J. Oster (University of Calgary)

Peter Barker (University of Oklahoma): "Religion and Natural Philosophy in Lutheran Responses to Copernicization"

Margaret J. Oster (University of Calgary): "From Immanent Natures to Nature as Artifact: The Reinterpretation of Final Causes in 17th-century Natural Philosophy"

Jan W. Wejsk (Auburn University): Robert Boyle, Isaac Newton, and the "Universal Hypothesis"

James E. Force (University of Kentucky): "The New Jerusalem and the Old Athens: Newton's Synthesis (Again)"

51. PART II: Shaping the Contours of the 'New Biology', 1930-1960: Institutional Context and National Styles
PART I: see session 28, Saturday, 9:00-11:45 am
CHAIR: Robert C. Oddy (University of Pittsburgh)

ORGANIZER: D. George Joseph (Yale University)

Serger de Chateauv (University of Cambridge): "From Biophysics to Molecular Biology: Institutional and Disciplinary Strategies in Post-war Britain"

Nicolas Rasmussen (University of Sydney): "Midcentury Biophysics: The Atom Bomb and the Origins of Molecular Biology in America"

Angela N. H. Creager (Princeton University): "Building on Viruses at Berkeley: Wendell Stanley's Strategies (and Failures) in Reconfiguring Post-war Biology"

Peter Westwick (University of California, Berkeley): "Medical Physics at Berkeley: The Institutional Situation of an Emerging Discipline"

COMMENTATOR: Prama G. Ahir-Amrohi (Boston University)

52. The Local and the International
PRELIMINARY PROGRAM: HSS ANNUAL MEETING 1995

Cultures of Science in Early Modern Germany

Chair: Bruce T. Mann (University of Nevada, Reno)

Steve J. Harris (Brandeis University): "Confronting Nature: Jesuit Natural History in the German Ancien Regime"

Alla Cooper (Harvard University): "Decoding the Domestic: The Emergence of the Local Natural History in Germany"

Marvin Hoijer (University of California, San Diego): "Libertas Philosophandi or Solidarity Sensu Lato: Jesuit Physics in Early Modern Germany"

Bruce T. Mann (University of Nevada, Reno): "Faith, Scripture, and Alchemy: Libavius vs. the Jesuits"

53. Science in the American West

Chair: Robert W. Seidel (Charles Babbage Institute)

David Sesnic (Kalamazoo College): "A "Proper" Bostonian on Mars Hill: Percival Lowell and His Observatory"

George E. Webb (Tennessee Technological University): "The Scientific Community in the Far West, 1910"

Judith R. Goodman (California Institute of Technology): "Mathematics at Caltech in Millikan's Time"

Commentator: Keith R. Benson (University of Washington)

54. German Scientists from National to Socialism: Three Case Studies

Chair: Kristie Macraw (Michigan State University)

"Dietmar Hoffmann (FSH Wissenschaftsgeschichte): "Scientist, Anti-Nazi, Stalinist, Dissident: Robert Havemann - A German Life"

Mark Walker (Union College): "Friedrich Miihl: The Prodigal Son"

Mitchell G. Ash (University of Iowa): "Mobilizing Resources, Constructing Continuities: Kurt Gombrich and Psychological Twin Research in Nazi and Socialist Germany"

Commentator: Ray Stakes (Rensselaer Polytechnic Institute)

55. History of Mathematics

Chair: Bruce Hsy (University of Washington)

"Madeleine M. Mannering (University of Toledo): "Covered Algebraic Form and the Treatise on Rectification 1660"

Lisa Shabel (University of Pennsylvania): "Kant's Philosophy of Mathematics in its Historical Context"

Francesca Barbaglia (University of Chicago): "Mathematical Practices and Underlying Philosophies: A Nineteenth-century Case Study"

Berna Kilic Eden (University of Chicago): "From Formal Logic to the Frequency Theory: Venet and Peirce in the Quantification of Syllogism"

56. Science in the Field

Chair: Sally Gregory Kohlstedt (University of Minnesota, Minneapolis)

Nicolaas A. Rupke (University of Gtteningen): "Humboldt's Fame"

Robinson M. Yar (Iowa State University): "Voyages, Instruments and Theories: The Study of Terrestrial Magnetism in Great Britain, 1780s-1830s"

Ladislaus C. Palm (University of Utrecht): "Dutch Shipwreck Research 1658-1876: Science for the Safety of the People"

Janet Gardner (Independent Scholar): "For Fear of Increasing the Confusion: Sixteenth- to Nineteenth-century Attempts to Make Sense of the Natural World"

Mark V. Barrow, Jr. (Virginia Polytechnic and State University): "Alternative Visions: Scientific Ornithologists and the Rise of Birdwatching in the United States"

Other Conference Notes

Registration Information and Deadlines

The registration form for the 1995 HSS Annual Meeting appears on page 10 of this newsletter; the hotel registration form appears on page 19. Please note that accommodations may only be reserved with the Radisson Hotel directly.

Registration materials must be reviewed in the HSS Executive Secretary's Office by 2 October 1995 or late fees will apply. Everyone attending the conference is required to register. Full refunds are available only if the Executive Secretary's Office is notified on or before 2 October 1995.

Social Highlights 1995 Annual Meeting

Please make note of these social events scheduled for the 1995 Annual Meeting:

Thursday, October 26
Opening Reception, 5:30-7:30 pm
Plenary Session, 7:30-9:00 pm

Friday, October 27
HSS Reception, 5:30-7:30 pm

Saturday, October 28
HSS Banquet, 8:00-10:00 pm

Conference on History, Philosophy, and Science Teaching

Immediately following the HSS meeting, the Third International History, Philosophy, and Science Teaching Conference will take place at the Radisson Hotel from 29 October-2 November. For further information contact Susan Busto or Catherine Platts (612-626-2259) or Lori Graven (612-625-9023), Professional Development and Conference Services, University of Minnesota, 218 Nolte Center, 315 Pillsbury Drive SE, Minneapolis, MN 55455. FAX 612-626-1632, E-mail sbusto@ce.ca.umn.edu, cplatts@ce.ca.umn.edu or lplatts@ce.ca.umn.edu.
HOTEL REGISTRATION FORM

Please complete this form and return with deposit on or before 1 October 1995 to the Radisson Hotel Metrodome, Attn: Reservations, 615 Washington Avenue SE, Minneapolis, MN 55414. Phone: (612) 379-8888, or (800) 822-MPLS. FAX: (612) 379-8682. Ask for the conference rate.

Name
Address
City
State
Zip
Telephone

Arrival Date (Check-in 3:00 p.m.)
Departure Date (Check-out 12:00 noon)
Late Arrival (Date and Time)

ROOM CHOICE (please check):
Single or Double Occupancy $85.00
Triple or Quad Occupancy $95.00

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

Space will be available at the Radisson Hotel Metrodome 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 Radisson Hotel.

/method_of_payment

Check (Enclosed, in U.S. dollars)
Credit Card: Amex ___ Visa ___ Mastercard ___
Diners Club ___ Discover Card ___
Credit Card No. __________________________ Exp. __________
Signature/Date

Research Competition Announced

Health Reform in Historical Perspective in Latin America and the Caribbean

The Research and Technological Development in Health Program (HDR) of the Division of Health and Development of the Pan American Health Organization (PAHO) announces a call for historians to present original research projects analyzing health reform in historical perspective in Latin America and the Caribbean. Possible research topics include: the emergence of the welfare state and the rise of national health systems; European, North American, and international agency influence upon health reform; the relationship between campaigns aimed at controlling or eradicating endemic diseases such as yellow fever and malaria; and the organization of health reform. Prerequisites for applicants: applicants must be researchers in social history, history of science, or another area of history and have work experience in Latin America or the Caribbean; preference will be given to residents of Latin America or the Caribbean; the principal investigator must be sponsored by an institution (governmental, non-governmental, or academic) that certifies its support for performance on the research project. Research subsidies are not to exceed US $25,000 with a duration of between one and two years.

For additional information, prospective applicants should contact the PAHO/WHO Country Representative Offices or Dr. Anne-Emmanuelle Bims, New School for Social Research, 66 Fifth Avenue, 9th Floor, New York, NY 10011.

NOTE: Additional information on fellowships and grants available is listed below beginning on page 21.
Awards, Honors & Appointments

Marie Bisioli will join the Department of the History of Science at Harvard University as Professor of the History of Science in September 1995. Her research will focus on the cultural and social history of early modern science.

Peter J. Bowler, Queen’s University of Belfast, will be the Distinguished European Guest at the Center for Western European Studies, Kalamazoo, Michigan from 31 July to 2 August 1995. He will lecture on "Social Darwinism from Idealism to Imperialism" and will give the Edward Moritz Lecture in British History on the theme "Science and Society in Late Victorian Britain: The Life and Work of E. Ray Lankester."

Jorge Canizares, Illinois State University, has been appointed Assistant Professor. The position will begin in August 1995.

Michael Aaron Denair, Cornell University, has been appointed Assistant Professor in Cornell’s Department of Science and Technology Studies.

Anne Harrington, Harvard University, has been promoted to Professor of the History of Science and will continue to build activities in the history of the neurosciences, psychology and psychiatry.

Sadia Jafcho has been named to receive the 1995 George Urbang Medal of the American Institute of the History of Pharmacy for this book Quinine’s Predecessor: Francisco Tosti and the Early History of Cinchona.

Ann Hibber Koblitz, Harwood College, was commencement speaker and received an Honorary Doctorate of Letters from Saint Mary-of-the-Woods College (oldest Catholic women’s college in the country) in Indiana.

Ronald L. Numbers, University of Wisconsin, Madison, has been elected a Fellow of the American Association for the Advancement of Science, for history and archeology.

David Oldroyd, University of New South Wales, was awarded the 1994 Sue Tyler Friedman Medal of the Geological Society, London, for his contributions to the study of the history of geology. He was also elected to a Fellowship of the Australian Academy of the Humanities, the first historian of science to be honored in this way. Additionally, he has been promoted to full professor in the School of Science and Technology Studies at the University of New South Wales.

Katherine Park, Wellesley College, received the 1994 Nelson Prize of the Renaissance Society of America for her article, "The Criminal and the Sacral Body: Autopsy and Dissection in Renaissance Italy."

Stephen Pyne, Arizona State University, has been elected a Fellow of the American Association for the Advancement of Science and Archeology.

Edmund Russell, University of Virginia, has been awarded the American Society for Environmental History’s Rachel Carson Prize (for the best dissertation in environmental history completed in 1993 or 1994) for "War on Insects: Warfarin, Insecticides, and Environmental Change in the United States, 1870-1945" (University of Michigan, 1993). He also won a 1995-1996 University Teaching Fellow Award from the University of Virginia.

Juan José Saldana, The National Autonomous University of Mexico, has been awarded the 1994 National University Award in the Social Sciences to honor his contributions to the development of the history of science and technology in Latin America.

Michael Segre, University of Munich, has been appointed Fellow at the Harvard University Center for Italian Renaissance Studies at Villa I Tatti in Florence.

Jennifer K. Stine, a Ph.D. candidate in history at Stanford University, has been awarded the 1995 Stannard Award (see “Prize Competitions”) for her paper entitled “Early Modern Medicine in an Elite Household: The Countess of Arundel’s Recipe Collection.”

Gerard L.Estrange Turner, Oxford University, was honored with the Paul Henry Prize from the Hans J. Nissenmann Foundation for his publications on the history of scientific instruments. The Prize is endowed with DM 10,000 and is supported and administered by the Gellschaft Deutscher Chemiker and the Deutsche Bundes-Gellschaft.

Jed Buchwald, Director of MIT’s Dibner Institute, has been named a 1995 MacArthur Scholar. See notice on page 6.

Internship
OSU seeks students to work with Pauling papers

Oregon State University announces graduate internships at the Ava Helen and Linus Pauling Papers to provide opportunities to work with the papers of two-time Nobel Laureate Linus Pauling and those of his wife and noted peace activist Ava Helen Pauling. Interns will focus on one of the following areas: History of Science, History of Chemistry, Peace, or Medicine, depending on the interests of the student. Internships will be for a maximum duration of three months. All graduate students currently enrolled in U.S. universities are eligible. Interested students should send a detailed letter of interest, resume, and three letters of recommendation to: Ramesh Krishnamurthy, William Jasper Kerr Library, Oregon State University, Corvallis, OR 97331-4501. The deadline for fall and winter terms is 15 July; for spring and summer terms it is 15 February each year. The award announcement will be made three weeks following the deadline. For more information contact: Ramesh Krishnamurthy at (503) 737-2810 or Clifford Mead at (503) 737-2083. Send a fax to (503) 737-3453. E-mail: krishmar@ocs.ost.edu.
Fellowship & Grant Recipients

Guggenheim Memorial Foundation Fellowships

The John Simon Guggenheim Memorial Foundation awarded fellowships worth a total of $4,272,000 to 152 artists, scholars, and scientists. The following History of Science Society members were chosen from among 2,856 applicants:

Grenaed Gurevich, independent scholar, Brookline, Massachusetts, and research fellow at the Center for Philosophy and History of Science, Boston University, for a biography of Andrei Sakharov.

Carolyn Merchant, professor of environmental history, philosophy, and ethics, University of California, Berkeley, for work on women, nature, and narrative.

Bakken Library Research Fellowships

The Bakken Library and Museum has awarded five Visiting Research Fellowships for 1995 to the following scholars:

James Cook, a doctoral student in the Department of History at the University of California, Berkeley. He is conducting research on “electrified” popular science shows during the Victorian era as part of a larger history of illusionistic culture in 19th century America. Mr. Cook is particularly interested in the various ways these shows functioned as popular education.

Karl Galle, a doctoral student in the Committee on the Conceptual Foundations of Science at the University of Chicago. Mr. Galle’s current research focuses on late 18th- and 19th-century galvanic experiments lying outside the direct path of the battery, and especially on those experiments that sought to assess the range of galvanic responses across simple and complex organisms and to identify the connection between galvanism and the properties of sensation and volition.

Timothy Knowland, an instructor in the Department of History at the University of Oklahoma. He is conducting research for a dissertation on the use of electricity in treating mental illness from 1870 to the present, including the use of electrotherapy to treat mental illnesses such as hysteria and neurasthenia during the period 1870-1920.

Charlotte Price, a pre-doctoral student in the Department of History and Philosophy of Science at the University of Cambridge. Ms. Price’s research concerns the early nineteenth century galvanic trials of Aldini, Unu, and others on recently executed criminals.

Jürgen Teichmann, Director for Programs at the Deutsches Museum in Munich, will extend his research in the use of history for educational purposes to the interactions of electricity and the life sciences. He is particularly interested in the relation of electricity to physiology in the 18th and 19th centuries, and in some aspects of mesmerism as it relates to modern irrationalism. He also plans to discuss the issue of science education with members of the Bakken staff.

The Bakken offers visiting research fellowships for the purpose of facilitating research in its collection of books, journals, manuscripts, prints, and instruments. The deadline for next year’s awards is March 1, 1996.

Dibner Institute Names Seventeen Resident Fellows For 1995-1996

The Dibner Institute in the History of Science and Technology is pleased to announce the appointments of Dibner Institute Resident Fellows for 1995-1996. Next year’s Dibner Fellows come from several nations and pursue many different aspects of the history of science and technology. Their names and scholarly projects follow:

Palmi Abir-Am, currently Research Associate, Center for History and Philosophy of Science, Boston University, has specialized in the history of twentieth-century science, especially molecular biology and the history of women and gender in science. Dr. Abir-Am is the author of two works currently in press, “Research Schools of Molecular Biology in the US, UK and France, 1930-1970: An ethnographic history of transnational innovation, leadership and policy,” and “Suffragette Woman Einstein: The Life and Work of Dorothy Wrinn.” Her project at the Dibner Institute is titled “The Multi-Disciplinary History of Truth in Early Molecular Biology: How Physicists, Mathematicians, and Chemists Disputed Protein Structure, 1931-1965.”

Leo Corry of the Cohn Institute, Tel Aviv University, held a 1994-1995 Grant Research Fellowship at the Max Planck Institute für Wissenschaftsgeschichte in Berlin where he completed a work, Modern Algebra and the Rise of Mathematical Structures, 1870-1945, now in press with Birkhäuser. At the Dibner Institute, he will work on a project entitled “Hilbert and Relativity.”

Robert Friedel, Professor, Department of History, University of Maryland, has published several works on the history of technology, Zipper: an Explanation in Nature, W.W. Norton & Co., 1994; A Material World, National Museum of American History, Smithsonian Institution, 1988; and (with Paul N. Israel) Edison’s Electric Light: Biography of an Invention, Ranger University Press, 1986. At the Dibner Institute, he plans to explore how the concepts of “invention” and “novelty” have been understood in the West and what their links are to technological applications.

Frederick Gregory, Professor and Chair, Department of History, University of Florida at Gainesville, is the author of Nature Lost? Natural Science and the German Theological Traditions of the Nineteenth Century, Harvard University Press, 1992. In his project at the Dibner Institute, “Naturalphilosophie and Alternative Science,” he will focus on the rise of naturalphilosophie as an example of alternative science in a time of political and social change and uncertainty.

Ole Knudsen is Associate Professor, History of Science Department at the University of Aarhus, Denmark, and the author of several noted works in the history of electrodynamics. He plans to explore further several ideas in his recent paper, “Electromagnetic Energy and the Early History of the Energy Principle,” included in a volume, No Truth except in Details: Essays in honor of Martin J. Klein. In this project he will study the interplay between thermodynamics and electromagnetism in the latter half of the nineteenth century, beginning with the exchanges between Helmholtz and Clausius.

Trevor H. Lewers is the Director of the Institute for the History and Philosophy (continued on page 22)
of Science and Society at the University of Toronto. His most recent books include Chemistry and Chemistry in Science & Society 1750-1878 and Science and the Canadian Arctic: A Century of Exploration 1818-1918, as well as a reprint of his earlier Affinity and Matter: Classics in the History & Philosophy of Science, Volume 12. At the Dibner Institute he plans to write about the role of instruments and apparatus in the development of eighteenth-century chemistry.

Michael S. Mahoney, Professor of History, Princeton University, is the author of The Mathematical Career of Pierre de Fermat, 1601-1665, a second edition was published by the Princeton University Press in 1994. In addition to his many works on the history of seventeenth-century mathematics, he has also written on the history of computers and computing. At the Dibner Institute, he will complete a book, tentatively titled "No Royal Road: Programming, Productivity, and the Origins of Software Engineering."

Ulrich Majer is Professor at the Philosophical Seminar of the Technical University, Hanover, Germany. With H.-J. Schmidt, he wrote Semantische Aspekte von Rassismus Theorien, Mannheim, 1994. His recent articles include "Hilbert, Reichenbach und der Neu-Kantianismus" and "Mechanisches Rechnen und 'Reflektierendes' Denken in der Mathematik." At the Dibner Institute, he will work on his manuscript, "The Emergence of Structuralism in Nineteenth-Century Mathematics and Science."

George Molland is Honorary Senior Lecturer in the Department of History at the University of Aberdeen, Scotland. His most recent articles are "Semiotic Aspects of Medieval Mathematics: Roger Bacon's Appropriation of Past Mathematics," and "The Role of Arithme in the Epistemological Schemata of Roger Bacon and Thomas Bradwardine." He plans to continue his work on a new edition of Roger Bacon's Opus Tertium and his investigation of its relationship to Bacon's earlier works, including the Opus minus.

Richard Noll's book, The Jung-Cube: Origins of a Charismatic Movement, was published by Princeton University Press this past year. He is also the author of The Encyclopaedia of Schizophrenia and the Psychotic Disorder. In 1994-1995, he was a post-doctoral fellow in the history of science at Harvard University. His project at the Dibner Institute is a detailed examination of the community of scientists involved in the Manhattan Project, Ernst Mach, Wilhelm Ostwald, Wilhelm Schallmayer, and August Forel.

Stuart Petersen is Professor and Chair of the Department of English at Northeastern University. His recently published articles include "Blake and the Ideology of the Natural" and "Colonisation by Means of Analogy, Metaphor, and Allusion in Darwinian Discourse." At the Dibner Institute, Professor Petersen plans to work on a collection of essays dealing with the social and historical contexts of British natural history from John Ray to Charles Darwin.

Antoine Picon is Directeur de Recherches at the Ecole Nationale des Ponts et Chaussées, Paris. He is the author of L'invention de l'ingénieur moderne, L'Ecole des Ponts et Chaussées 1747-1851 and (with Bruno Belfiore and Amy Duham-Dalmedico) of La Formation Polytechnicienne 1747-1994. At the Dibner Institute, his project is titled "La Formation des Ingénieurs: Une Comparaison Franc/Rus/USSR, fin XIX/-milieu XXe Century."


Robert Richards is Professor of History, Philosophy and Psychology at the University of Chicago. He has written The Meaning of Evolution: the Morphological Construction and Ideological Reconstruction of Darwin's Theory and Darwin and the Emergence of Evolutionary Theories of Mind and Behavior, for which he was awarded the Pfizer Prize by the History of Science Society. At the Dibner Institute, he plans to continue work on his manuscript, tentatively titled "Romantic Biology: from Goethe to the last Romantic, Ernst Haeckel."

David E. Rowe is Professor in the History of Mathematics and Science at the Johannes Gutenberg Universität, Mainz, Germany. He has several works now in press including "Abel's Theorem and its Role in Algebraic Geometry," "12 Problemi di Hilbert," and "Semya Kovalevskaya as Revealed by Those who Knew Her," a translation of the biography by Anna Charlotte Leffler. Professor Rowe has two major projects planned for his stay at the Dibner Institute. The first is "Noether's Theorem," focusing on the prehistory of Emmy Noether's theorem in the calculus of variations, and the second, a biography of Dirk Jan Struik.

Bruce Setly is Associate Professor of Social Sciences at Michigan Technological University. He was secretary of the Society for the History of Technology and editor of its newsletter, 1990-1995. He was editor of and contributor to the Encyclopaedia of American Business History and Biography: The Iron and Steel Industry in the Twentieth Century and the author of "Changing Patterns of Research in American Engineering Colleges: The Social Dimension of the Rise of Engineering Science" in the volume, The Interaction Between Technology and Science. While at the Dibner Institute he plans to examine American transportation policy in the twentieth century and continue his earlier studies on the history of engineering education and research.

George E. Smith, Associate Professor and Chair, Philosophy Department, Tufts University, has enjoyed a dual career as an industrial consultant in the area of structures and aerodynamics and as the author of many articles in the history of science, particularly in the area of Newtonian studies. At the Dibner Institute, he will continue his study of the writings of J.J. Thomson between 1897 and 1913 on the composition of cathode rays and also complete the compilation of his lecture notes for a volume, "Comparison to Newton's PRINCIPIA."

The Dibner Institute is also pleased to announce the appointments of three VI-
Fellowship & Grant Recipients

Arthur Fine is the John Evans Professor of Philosophy at Northwestern University. He is the co-editor with J. Cushing and S. Golderstein of Bohmian Mechanics and Quantum Theory: An Appreciative and the author of The Shaky Game: Einstein, Realism and the Quantum Theory. As the Dibner Institute, he will pursue his studies on the role of gauge symmetry as a tool for theory construction in modern physics.

Claudio Poggiato, Associate Professor at the University of Trieste, Italy, is the author of Storia delle scienze, Naturam e scienze, e l'eta moderna II: Il cammino imprendere e "Il Cammino Form and Function: A New Science of Man," in The Enchanted Loom. Chapters in the History of Neuroscience.

Heinz-Juergen Schmid, Professor in the Department of Physics, Osunbruck University, Germany, is the co-editor with Ulrich Mayer of Semirical Aspects of Spacetime Theory and with W. Balzer and D.A. Pearce of Reduction in Science. At the Dibner Institute, he will continue his work for a week titled "Understanding Heron's Principles of Mechanics."

The Dibner Institute for the History of Science and Technology was established in Cambridge, Massachusetts in 1990 as an international center for advanced research in the history of science and technology. The institute, which includes the Banting Library as its own scholarly resource, enjoys the participation in its programs of faculty and graduate students of consortium-member institutions, including the Massachusetts Institute of Technology, its host institution, Boston University, Brandeis University and Harvard University.

The Dibner Institute organizes colloquia, workshops, seminars, and lecture series on diverse topics in support of its goals to foster and disseminate outstanding scholarship in the history of science and technology and to initiate new directions in these fields. The institute offers residencies and visiting fellowships to distinguished scholars from around the world and supports the dissertation research of outstanding graduate students enrolled at the consortium-member institutions.

Dibner Library Residential Grant
Bruce Janzow has received a 1995-96 Dibner Library Residential Grant, and fellowships from the Clark and Huntington Libraries. He is completing a dissertation entitled "Pietra and Patronage: The Role of Alchemy in Early Modern England" at the University of California, Davis.

Dibner Institute Names Five Graduate Student Fellows From Consortium Institutions For 1995-1996
The Dibner Institute for the History of Science and Technology is pleased to announce that awards have been made to five 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 Institute graduate fellowships are given to candidates nominated by their departments and are based on excellence and scholarly promise, without regard for need.

Karl P. Hall is a Ph.D. candidate in the Department of the History of Science at Harvard University. He received a B.S. in Physics and an A.B. in History from Stanford University in 1989. He participated in a University of Washington/CIES Summer Language Program in Leningrad and was a postgraduate exchange student at Moscow State University, 1989-1990. His dissertation is titled "Schools for Scandal: Theoretical Physics in Stalin's Russia."

Robert Martella received the B.S. degree from MIT in 1986 with a major in Earth, Atmospheric, and Planetary Science and an M.S. degree in Civil and Environmental Engineering in 1993. Currently a Ph.D. candidate in the Program in Science, Technology and Society at MIT, he will investigate the environmental implications of technological change.

David A. Mandeil, a Ph.D. candidate in MIT's Program in Science, Technology and Society, received a B.S. degree in Electrical Engineering and a B.A. degree in Literature from Yale University in 1988. In his dissertation, "From Machinery to Information: A History of Control Systems, 1916-1945," he will explore the governors and feedback devices used in specific systems developed by two corporate organizations, an academic institution, and a bureau of the federal government.

Bahak Rezazade-Ashrafi was graduated in 1986 from MIT with an S.B. in Physics and Mathematics and a Ph.D. in Physics from the State University of New York at Stony Brook in 1993. He is now enrolled in MIT's Ph.D. Program in Science, Technology and Society where his area of concentration is the history of nineteenth and twentieth century physics.

Thomas D. Wilson earned his M.A. in history at Central Missouri State University in December 1991. He is a doctoral candidate at Brandeis University in the Department of Comparative History. His dissertation topic is "Early Modern Conceptions of Scientific Fraud: Allegations of Fabrication at the Royal Society and the Académie des Sciences, 1662-1793."

Charlotte Newcombe Foundation
Lynda Payne-Bury, a doctoral candidate at the University of California, Davis, is the recipient of fellowships from the Charlotte Newcombe Foundation and the Library of the Philadelphia College of Physicians for 1995-96. Her dissertation is entitled, ""To Lose Foolish Tenderness": The Development of the Clinically Detached Medical Practitioner in Early Modern England."

Fulbright Grant
Antonio Barrera has been awarded a Fulbright Grant to conduct research in Spain during 1995-96. He is completing a dissertation on natural history in the Spanish Americas at the University of California, Davis.

Woodrow Wilson Announces Fellow for 1995-96
Edward H. Tennen, freelance editor and writer, Princeton, New Jersey, has been named a 1995-96 Fellow of the Woodrow Wilson International Center for Scholars for his project "Values, Technology, and Everyday Objects." Created by the Congress of the United States in 1968 as the nation's official memorial to its twenty-eighth
Fellowships & Grants Available

Grants for Travel and Research at the Rockefeller Archive Center

The Rockefeller Archive Center, a division of The Rockefeller University, invites applications for its program of Grants for Travel and Research at the Rockefeller Archive Center for 1996. The competitive program makes grants of up to $1,500 to U.S. and Canadian researchers and up to $2,000 to researchers from abroad in any discipline, usually graduate students or post-doctoral scholars, who are engaged in research that requires use of the collections at the Center. The deadline for applications is 30 November 1995; grant recipients will be announced in March 1996. Inquiries about the program and requests for applications should be addressed to Darwin H. Stapleton, Director, Rockefeller Archive Center, 15 Dayton Avenue, North Tarrytown, New York 10591-1598.

Institute for Advanced Study—Visiting Member Awards, 1996-97

The School of Social Science each year invites as Members some twelve to fifteen post-doctoral visiting scholars who constitute a genuinely interdisciplinary and international group. Visiting Members are expected to pursue only their own research, but the School organizes a weekly seminar at which members as well as invited guests present their on-going work. Although the School is not wedded to any particular approach, it encourages social science with an historical and humanistic bent and entertains applications in history, philosophy, literary criticism, literature, and language, as well as in the traditional fields of social science. For information and application materials, write to the Administrative Officer, School of Social Science, Institute for Advanced Study, Princeton, NJ 08540. Completed applications must be received by 15 November 1995. No applications will be considered from those who have not received the Ph.D. by the 15 November 1995 deadline.

Northwestern University—Postdoctoral Fellowships

Northwestern University announces postdoctoral fellowships in history or philosophy of science, one-year only, beginning full semester 1996. Indicate interest in either history of philosophy of science. $25,000. EOVAEE. Send complete dossier, including statement of proposed research to: David L. Hull, Department of Philosophy, Northwestern University, Evanston, IL 60208.

The Harvard University Center for Italian Renaissance Studies—Fellowships

Villa I Tatti: 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 1996/97. 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. 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; 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, (telephone: +39 55 603250) to arrive no later than 15 October 1995, with duplicates to the Villa I Tatti Office, Harvard University, University Place, 124 Mt. Auburn Street, Cambridge, MA 02138-5762, USA, (telephone: (617) 495-8042). Applications by fax are not accepted.

Fullbright Scholar Awards—1996-97 Competition

Fullbright lecturing and research opportunities are available in nearly 140 countries. Awards range from two months to a full academic year. Virtually all disciplines and professional fields participate.

The basic requirements for a Fulbright Scholar award are U.S. citizenship and the Ph.D. or comparable professional qualifications (for certain fields such as the fine arts or TESOL, the terminal degree in the field may be sufficient). For lecturing awards, university or college teaching experience is expected. Language skills are needed for some countries, but most lecturing assignments are in English.

The deadline for lecturing or research grants for 1996-97 is 1 August 1995. Other deadlines are in place for special programs: distinguished Fulbright chairs in Western Europe (1 May) and Fullbright seminars and academic administrator awards (1 November).

Funding for the Fulbright Program is provided by the United States Information Agency, on behalf of the U.S. government, and cooperating governments and host institutions abroad.

For further information and application materials, contact the Council for International Exchange of Scholars, 3007 Tilden Street, N.W., Suite 514, Box GNEWS, Washington, DC 20008-3009. Telephone: (202) 686-7877. E-mail (application requests only): CIES@CIESNET.CIES.ORG.
Fellowships & Grants Available

Alexander von Humboldt Foundation—Research Fellowships

The Alexander von Humboldt Foundation of Bonn, Germany, provides highly qualified individuals of all nationalities the opportunity to conduct research in Germany. The Foundation’s North American Office in Washington, DC, distributes information on collaborative research support programs to North American scholars. Since 1953 the Foundation has enabled more than 3,500 scholars from the United States and Canada to participate in such programs.

The Research Fellowship Program provides support to non-German scholars who have earned a doctorate and are under 40 years of age for the conduct of research in Germany in all fields of scholarship for periods of 6 to 12 months. For the past several years, approximately 70 American scholars have been selected annually in worldwide competition. The Humboldt Research Award provides awards to internationally recognized scholars. The Feodor Lynen Fellowship Program enables German scholars under 38 years of age who have a doctoral degree to spend as many as three years at the home institutions of former Humboldt fellows and awarders. The Max Planck Fellowship Program permits internationally recognized German and non-German scholars to conduct long-term, project-oriented cooperative research; only senior officials of German research institutions, may nominate candidates. The Bundeskanzler Scholarship Program provides the opportunity each year for as many as 10 promising young Americans who demonstrate the potential of playing a pivotal role in the future relationship between Germany and the United States to spend a year in Germany on research projects of their own design.

From 1953 to 1994, the Humboldt Foundation’s programs have supported approximately 16,000 scholars from 120 nations. The Foundation maintains contact with all of its scholars through its Follow-up Program. Follow-up activities include support for short research stays in Germany, the donation of scholarly literature and scientific equipment (the latter applies only in exceptional cases to U.S. scholars), and grants to cover printing costs and expenses of attending academic conferences in Germany and elsewhere abroad.

Qualified individuals are encouraged to apply for these programs. For more information about the Alexander von Humboldt Foundation and its programs, please contact Dr. Bernard Stein, the Alexander von Humboldt Foundation, Suite 903, 1350 Connecticut Avenue NW, Washington, DC, 20036; telephone: (202) 296-2990; fax: (202) 833-8514.

American Institute of Physics—Research Grants

The Center for History of Physics of the American Institute of Physics has a program of grants-in-aid for research in the history of modern physics and allied sciences (such as astronomy, geophysics, and optics) and their social interactions. Grants can be up to $2,500 each. They can be used only to reimburse direct expenses connected with the work. Preference will be given to those who need part of the funds for travel and subsistence to use the resources of the Center's Niels Bohr Library in College Park, Maryland (easily accessible from Washington, DC), to microfilm papers, or to tape-record oral history interviews with a copy deposited in the Library. Applicants should either be working toward a graduate degree in the history of science (in which case they should include a letter of reference from their thesis advisor), or show a record of publication in the field. To apply, send a vita plus a letter of no more than two pages describing your research project, and including a brief budget showing the expenses for which support is requested. Send to Sponsor Weast, Center for History of Physics, American Institute of Physics, One Physics Ellipse, College Park, MD 20740; telephone: 930111 209-0882; e-mail sweast@ai.p. Deadlines for receipt of applications are 30 June and 31 December of each year.

American Philosophical Society—Research Grants

The American Philosophical Society makes grants towards the cost of scholarly research in all areas of knowledge except those whose 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 photocopies 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 stationary.

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, available only in the United States, need to be consulted.

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

Amount of Award: $5,000 maximum ($4,000 for full professors); average award in 1994: $3,117.

To obtain forms: written requests for forms must indicate eligibility, specify the area of research, and state the proposed use of grant funds. Telephone requests for forms cannot be honored. The premises have not changed, but either of two addresses is valid: Committee on Research, American Philosophical Society, 104 S. 5th Street or 150 S. Independence Mall East, Philadelphia, PA 19106-3387.

Gladys Krieble Delmas Foundation—Travel Grants

The Gladys Krieble Delmas Foundation announces its 1996-97 program of predoctoral and postdoctoral grants for travel and residence in Venice and the Veneto. Grants will be awarded for historical research on Venice and the former Venetian empire, and for study of contemporary Venetian society and culture. Disciplines of the humanities and social sciences are eligible areas of study, including (but not limited to) archaeology, architecture, art, bibliography, economics, history, history of science, law, literature, music, political science, religion, and theater.

Applicants must (i) be citizens or permanent residents of the United States, (ii)
have some experience in advanced research, and (ii) if graduate students, have fulfilled all doctoral
requirements except completion of the dissertation (but including acceptance of dissertation proposal)
by 15 December 1995.

Applications will be entertained for grants from a minimum of $500 to a maximum of $12,500 for a full academic year.
Grants for the maximum amount are rarely awarded, and successful applicants are frequently awarded less than the amount requested. Funds are granted for research in Venice and the Veneto only, and for transportation to, from, and within the Veneto. Applications for travel and residency from May 1996 through September 1997 are eligible for consideration in the 1996-97 program. Funds may also be made for aid in the publication of studies by Delmas grantees.

Applications must be received by the Foundation by 15 December 1995. Grants will be announced by 1 April 1996. For further information and application forms, prospective applicants should write to the Foundation at 521 Fifth Avenue, Suite 1612, New York, NY 10175-1699.

Edelstein Fellowships

Applications are invited from established scholars for the 1996-97 Edelstein International Fellowship in the history of the chemical sciences and technologies. The Edelstein Fellow will divide his or her time between residency at the chemical Heritage Foundation (CHF) in Philadelphia and the Edelstein Center for History and Philosophy of Science, Technology, and Medicine in Jerusalem. The period for the Fellowship, which may be held in conjunction with other research or sabbatical support, is 1 September 1996 to 30 June 1997. A travel allowance is available.

Letters of application should indicate how CHF and Edelstein Collection resources in the chemical sciences are relevant to the applicant's research; applicants should also enclose a financial statement, a curriculum vitae, and the names of three referees. Applications should be received by 15 November 1995 and should be sent to Professor Seymour Musakopf, coordinator, Edelstein International Awards, Department of History, Duke University, Durham, NC 27708; Phone: (919) 684-2581.

The Edelstein International Studentship is available to support dissertation research and writing in the history of the chemical sciences and technologies. Candidates should have fulfilled all requirements for the Ph.D. except the dissertation. The Studentship provides a stipend at the Chemical Heritage Foundation (CHF) and a three-to-four-month stay at the Hebrew University of Jerusalem at the Edelstein Center for History and Philosophy of Science, Technology, and Medicine in the course of the academic year.

Applications should be sent by 15 November to Professor Seymour Musakopf, (Coordinator, Edelstein International Awards, Department of History, Duke University, Durham, NC 27708; Phone: (919) 684-2581), and should include a dissertation prospectus, a brief statement of research and writing plans for the year of the Studentship, a curriculum vitae, and the names and telephone numbers of two references.

Woodrow Wilson International Center for Scholars—Fellowships

The Center, located in Washington, D.C., 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 academia) 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 $61,000.00. Travel expenses for Fellows and their immediate dependents are provided.


Mellon Postdoctoral Fellowships in the Humanities—University of Pennsylvania

For younger scholars who, by 15 October 1995, will have received the Ph.D. but not held it for more than eight years nor been granted tenure. Research proposals are invited in all areas of humanistic studies except educational curriculum-building and performing arts. Preference is given to proposals that are interdisciplinary and to candidates who have not previously utilized the resources of this university and whose work would allow them to take advantage of the research strengths of the institution and to make a contribution to its intellectual life. The award carries an annual stipend of $32,000. Completed applications and supporting material must be received by 15 October 1995. For further information and applications, write to: Chair, Humanities Coordinating Committee, Jo Margaret Vagliente, Program Coordinator, 16-College Hall, University of Pennsylvania, Philadelphia, PA 19104-6578. An Equal Opportunity, Affirmative Action Employer.

Mellon Postdoctoral Fellowships in the Humanities—Stanford University

To be awarded to highly promising scholar-teachers in the Humanities, these nonfaculty one-year positions will carry department affiliation and limited teaching duties, and the opportunity for scholarly work and intellectual growth. The Ph.D. must have been received before September 1996 and preferably since June 1989. The Fellowships carry an annual stipend of $37,750 plus benefits and are renewable for a second year. Application forms for 1996-97 are now available. All materials, including three letters of reference, must be postmarked no later than 15 November 1995. Applicants will be notified of the outcome in early March 1996. Write to Mellon Postdoctoral Fellowships, The Dean's Office, School of Humanities and Science, Stanford University, Stanford, CA 94305-2170.
Prize Competitions

The 1996 Jerry Stannard Memorial Award
The Department of History, at the University of Kansas, announces the 1996 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 medicine, medical 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 1996, the award will be $500.

The competition is open to graduate students and to recent recipients of a doctoral degree (the Ph.D. degree or an 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 not longer than 50 pages, including notes, bibliography, and appendices. Entries should include 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 are for resident in the United States of America and are also requested to indicate their home address and social security number.

Entries must be received no later than 15 February 1996. The award will be announced on or about 15 May 1996.

All manuscripts and correspondence should be addressed to: The Stannard Award Committee, Department of History, Wescoe Hall 3001, The University of Kansas, Lawrence, KS 66045-2150, USA.

1995 AAAS Science Journalism Awards
The AAAS Science Journalism Awards (formerly known as the AAAS-Westinghouse Science Journalism Awards) represent the pinnacle of achievement for professional journalism in the science writing field. The Awards recognize outstanding reporting for a general audience and honor individuals (rather than institutions, publishers, or employers) for their coverage of the sciences, engineering, and mathematics. The contest year is 1 July 1994 through 30 June 1995. All entries must be postmarked on or before midnight 1 August 1995. For contest rules and entry information, contact AAAS, Office of Communications, 1335 H Street, NW, Washington, DC 20005; (202) 326-6440.

Marc-Auguste Pictet Prize
The Society of Physics and Natural History of Geneva (SPHN) has the honour to announce the issue of its award entitled: The Marc-Auguste Pictet Prize. The prize, in principle intended for a young researcher, will reward an outstanding work, unpublished or recently published in the field of the history of science. The value of the prize is Frs. 12,000, and may be shared. Application is open to both Swiss and foreign candidates at university level. Notification of candidates should be sent by 1 March 1996 to the following address: Presidente de la SPHN, Museam d'Histoire naturelle, Case postale 6434, CH-1211 Geneve 6, Switzerland. Two full copies of the work, accompanied by a summary and a curriculum vitae should be submitted before the date given above. One copy of the prize-winning works will remain the property of the SPHN. The texts may be written in French, German, Italian or English. In the last three instances, the summary should be translated into French and be approximately 12 pages in length, i.e., 4,000 words or about 20,000 characters. Theme for the 1996 prize: History of the Transmission of Scientific Knowledge. This theme was chosen to commemorate the bicentenary of the launching, by Marc-Auguste Pictet, of the famous Bibliothèque Britannique, a monthly magazine for the diffusion of scientific and technological knowledge throughout the world. A commission composed mainly of Professors of the University of Geneva and experts in the field will be responsible for examining all entries.

1995 Forum for the History of Science in America Prize
The 1995 Forum for the History of Science in America Prize will be presented for the best article by a scholar who neither holds a tenured position nor received the Ph.D. more than ten years ago, published in English in 1993, 1994, or 1995. The subject area, the history of American science, is broadly defined to include Canada, Mexico, and the United States. Eligible authors are urged to send a copy of his or her article (or articles) to the Chair of the Prize Committee, Professor Nancy G. Slack, Department of Biology, Russell Sage College, Troy, NY 12180, by 15 July 1995.

General Announcements
Societe Francaise pour l'Histoire des Sciences del'Homme
Fernando Vidal has written a short paper dealing with the place of the history of the human sciences within the history of science in the United States. It was initially presented as an invited lecture at the 1994 annual meeting of the French Society for the History of the Human Sciences. The paper, which is in French, is entitled Histoire des Sciences et Histoire des Sciences Humaines: La Situation aux Etats-Unis., and was published in the October 1994 issue of the Bulletin d'Information de la SFSSH. For a copy of the paper, contact The History of Science Society Executive Office, University of Washington, Box 351330, Seattle, WA 98195-1330; telephone: (206) 543-9366.

American Association for the History of Medicine
The American Association for the History of Medicine is updating its biennial listing of research in Progress in the History of Medicine. The listing (12) is expected to be released in the earlier part of 1996.

Members of the Association will automatically receive the appropriate form for submission of the information within the next few months. Nonmembers may write to: R. C. Chakravorty, M.D. (AAHM), Department of Surgery, Veterans Affairs Medical Center, Salem, VA 24153, enclosing a $10 stamped envelope or two international reply coupons for a copy of the form.
Seminars & Classes

The Pasteur Foundation presents its 1995 American events fall calendar. They will be in New York at The Rockefeller University, 12-15 September, The Year of Louis Pasteur International Scientific Symposium "Stereospecificity and Molecular Recognition"; Gainesville at the University of Florida, 1-30 September, expositions and films; San Juan at the University of Puerto Rico, September (days to be determined), expositions, lecture and films; Cleveland at the Dittrick Museum of Medical History, 1100 Euclid Avenue, 1-28 September, Hours: Monday through Friday 1000 to 5:00, Saturday 12:00 to 5:00, for more information contact Ms. Simmons (216)368-3848, exposition: "Louis Pasteur: His Life and Work." Film: "Pasteur, regards d'aujourd'hui" Washington, DC, 18 October - 20 November, at the Maison Francaise, French Embassy, 4101 Reservoir Road, NW, for information, contact Ms. Parets (202) 944-6134; Albuquerque, 24 October - 30 December, at the National Atomic Museum, Kirkland/Airport Base East, Building 20358, for information, contact Ms. Herlup (505) 845-4633; Pittsburgh, 24 October at the University of Pittsburgh, Heinz Memorial Chapel, 1212 Cathedral of Learning, contact Ken Klebick (412) 624-4157; San Francisco, October (dates to be determined), at the University of San Francisco, for information call Dr. Stamp (415) 666-6153; Honolulu, October (dates to be determined), at the East-West Center, Jefferson Hall, for information contact Mr. Silva (808) 973-1888; Charlottesville, October (dates to be determined), at UVA's Health Sciences Center, for information call (804) 924-0052; New York, November (dates to be determined), at the New York Public Library's S.I.B.L. Building, for information call (212) 752-2050 and at the French Institute/Alliance Francaise, 22 East 60th Street, for more information contact Ms. Parets (212) 955-6100; St. Louis, 1-30 November, at the St. Louis Science Center, contact Mr. Grant (314) 530-2393; Hartford, December (dates to be determined), for information contact (203) 693-8549. For more information about any of these programs call (212) 752-2050.

In addition, the Foundation has available to high school teachers scholastic materials on an upon-request basis. The kit includes a biography, Pasteur and Modern Science, by Rene Dubos, a video, Pasteur: A Contemporary View, by J. Dugue and E. Serrano, VHS, 30 Minutes, and Pasteur Time Line. For more information on receiving your kit, contact the Pasteur Foundation, 767 Fifth Avenue, Suite 2806, New York, NY 10153-0119. Note the name of your institution, the level and subject you teach, your mailing address and day and evening phone numbers. Please note that materials are limited and requests will be handled in the order they are received.

Research Opportunities

Osiris Thematic Volume 13

The Osiris Advisory Board would like to consider at its next annual meeting in Minneapolis in October 1995 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 copy editor in the spring of 1996. Proposals should be sent to Professor Margaret W. Rossiter, Osiris Editor, Department of Science and Technology Studies, Cornell University, 726 University Avenue, #201, Ithaca, NY, 14853, USA by 20 September 1995.

As the HSS, having been founded in Boston in January 1924, will celebrate its 75th anniversary in 1999, a future issue of Osiris may be devoted to the history of the science of the US. Persons interested in contributing to such a volume should get in touch with the editor at the above address.

Current projections are: volume 10 on critical issues in the history of science and technology will be sent out in July 1995; volume 11 on the field sciences, guest edited by Henrikh Kubicki and Robert Kohler, should be out in July 1996; and volume 12 on gender and science, to be co-edited by Helen Longino and Sally Gregory Kohlstedt, should appear in 1997.

National Endowment for the Humanities Reference Materials Program

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, catalogues raisonnés, other descriptive catalogues, grammars, databases, indexes, and other projects that will provide essential scholarly tools for the advancement of research of for general reference. Support is also available for projects that address important issues related to the design or accessibility of reference works. The application deadline is 1 November 1995 for projects beginning after 1 September 1996. For more information contact: Reference Materials, Room 318, NEH, Washington, DC 20506 or via e-mail at jserventi@neh.gov.
Seminars & Classes

The Shelby Cullom Davis Center for Historical Studies at Princeton University announces its theme for academic years 1996-98 will be "Animals and Human Society." It will explore the material, ethical and symbolic dimensions of the role of animals in human culture. The Center welcomes proposals for projects focusing on any of the following or related historical issues: animal gods, cults and sacrifices; sacred and "unclean" animals; animals and war; the bestiality, mythical animals, beast fables, allegories, folklore, fairy tales; bestiality, the symbolic bestialization of enemies, races, ethnic groups, sexes, and occupations; animal trade (for example, fur and ivory); domestication, farm animals and husbandry; ranching and pastoralism; animal products (wool, leather, parchment, bone for tools, horn for glue, etc.); diseases and epizootics; veterinary medicine; butchering, meat processing, and marketing; wild animals; "savage" environments and the connections with aboriginal peoples; the artistic and photographic representation of animals in domestic and wild settings; children’s literature and cartoons; pets; games and pleasures (horse racing, bear baiting, cock fighting); circuses and county fairs; vivisection, medical experimentation and animal welfare movements; vegetarianism and meat-eating; the boundaries between human beings and animals as expressed in different cultures; extinction of species; environmentalism; animal rights, Darwinism, and modern efforts to define the human being; paleozoology (classification and origins of species).

The Center will offer a limited number of research fellowships for one or two semesters, running from September to January and from February to June, designed for highly recommended graduate scholars who have finished their dissertations as well as for senior scholars with established reputations. Fellows are expected to live in Princeton in order to take an active part in the intellectual interchange with other members of the Seminar. Funds are limited, and candidates are, therefore, strongly encouraged to apply to other grant-giving institutions as well as the Center, if they wish to come for a full year.

Inquiries and requests for Fellowship Application forms should be addressed to the Manager, Shelby Cullom Davis Center for Historical Studies, Department of History, 129 Dickinson Hall, Princeton University, Princeton, NJ 08544-1017, USA. The deadline for applications and letters of recommendation for fellowships for 1996-97 is 1 December 1995, and for 1997-98 is 1 December 1996. Scholars who would like to offer a paper to one of the weekly Seminars are asked to send a brief description of their proposal and a current curriculum vitae to William Chester Jordan in care of the above address.

Colby College, Waterville, Maine, announces its spring Science and Technology Studies Program speaker series: 28 April, "Is the Marriage of Science and Government on the Rock?" Science and the Federal Government," Kenneth Keniston, Director of Graduate Studies, STS Program, Massachusetts Institute of Technology; 5 May, "Historical Perspectives of Lightning Studies," E. Philip Krider, Institute of Atmospheric Physics, University of Arizona. Colloquia are held on Fridays at 4:00 p.m. in Lovejoy 215. Refreshments 15 minutes before the talk; reception following the talks, Faculty Lounge.

The History Research Training Institute conducts a summer-long research training program for advanced undergraduates and recent graduates in history and related fields, focusing on a single active research site in southwestern Pennsylvania. The 1995 program will run from 1 June through 11 August 1995. The principal site will be Minersville, a small immigrant mill and mine workers' community and company town adjacent to the site of the historic Cambria Iron Works in Johnstown, Pennsylvania.

The Institute's summer program provides an excellent opportunity for students to acquire hands-on field experience and to work with local and nationally recognized professionals who are involved in history, archives and historic preservation.

The deadline for student applications was 15 February 1995. For more information contact: James R. Alexander, History Research Training Institute, University of Johnstown, Johnstown, PA 15904; telephone: (814) 269-2983; fax: (814) 269-7255; e-mail: jalexan@upj.pitt.edu.

One-day courses entitled "Presenting Data and Information" were offered 13-17 February 1995 in Los Angeles and Seattle by Edward Tufts, author of "Envisioning Information and The Visual Display of Quantitative Information." For more information contact Graphics Press Seminars Post Office Box 430, Cheshire, CT 06410; telephone: (203) 250-7087 or (800) 822-2454.

ISIS Subscription Inquiries

If you experience any subscriptions or membership problems, please direct your concerns to Florence Dowdell, The University of Chicago Press, P.O. Box 37005, Chicago, IL 60637; Telephone: (312) 753-3947. The HSS Executive Office is concerned about any subscription or membership issues, but it is the press that handles all these details. Therefore, be sure to contact the press with any questions you might have.

Photographs Sought

The HSS Executive Secretary's Office maintains a file of member photographs and of photographs of interest to historians of science. Interesting shots of members and of exhibits or activities in the field may be published in the Newsletter or made available for other HSS publications. Please send photos to the HSS Executive Secretary's Office, Box 351330, University of Washington, Seattle, WA 98195-1330.
Positions

This list presents 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 board 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/jobsource-support/fss, under the filename hssjobs. 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 on to the HSSJOBS electronic bulletin.

Archivist - Chemical Heritage Foundation

The Biomolecular Science Initiative of the Chemical Heritage Foundation is seeking a field archivist. The ideal candidate has MLS with archives course work; experience appraising, accessioning, arranging and describing personal papers; archives guide production experience; experience in or strong knowledge of historical documentation, documentation strategies, and appraisal guideline development preferred. Superior communication skills essential. Travel required. Archivist will work to appraise and place the personal papers of eminent biomolecular scientists into archives and produce a guide, and conduct a historical documentation project of the biotechnology industry. Position is funded by the National Historical Publications and Records Commission for two years. Salary commensurate with experience. Mail, E-mail or FAX cover letter and resume to Tim Kemna, Chemical Heritage Foundation, 3401 Walnut Street, Suite 460B, Philadelphia, PA 19104-6228. Fax: (215) 898-3327; tkemna@mail.xas.upenn.edu.

Historian - National Science Foundation

The International Gemini 8-meter Twin Telescope Project wishes to have a book written, describing the history of the Project from its onset around 1990 through the completion of the telescope, which will be in December 1998 for the first and 1/2 years later for the second. The National Science Foundation, the Executive Agency for Gemini, is looking for an historian to write the book. An announcement for a Request for Proposal will be appearing in the Commerce Business Daily, Section T, in July, 1995. Please contact Shirley Greene, at (703) 306-1246, or e-mail to upgrgse@nsf.gov for further information.

Faculty Positions in Science and Technology Studies - Hong Kong

The Division of Social Science at the Hong Kong University of Science and Technology seeks applicants for one senior level (Associate Professor, Reader, or Full Professor) position and one or more anticipated positions at the Assistant Professor level. The senior position will begin in January 1996 and the junior positions will begin in July 1996. The Division of Social Science is an interdisciplinary department within the School of Humanities and Social Science of the University. The Division offers postgraduate programs leading to the MA, MPhil, and PhD degrees. An undergraduate BA in Social Science is being developed. Currently, the Division is attempting to expand the Science, Technology, and Society (STS) track. The incumbents are expected to play a major role in strengthening this new track within the Division and the School. We seek internationaly reputed teacher-scholars and young scholars who can demonstrate strong teaching and research potential with specialization in all relevant fields of STS. Professional background in engineering and/or science would be an advantage. In addition to graduate teaching and graduate student supervision, incumbents are also expected to develop and teach a course (under a broad theme "Engineers and Society") to undergraduate students in the School of Engineering.

Salary and benefits are internationally very competitive. Rank and salary will be commensurate with applicant's teaching and research experience. The positions are renewable. Financial support for research and conferences is provided as well as generous housing benefits, group health and dental insurance, children's education allowance, and annual paid leave passages. Initial contracts are for three years, with a terminal granularity of 25% of the basic salary.

Applications, including a detailed cv and at least three current letters of recommendation, should be sent to: Head, Division of Social Science, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong. Fax: (852) 2335 0014. Review of applications will begin as soon as applications are received and will continue until the positions are filled.

Associate Director - Charles Babbage Institute

The Charles Babbage Institute, the Center for History of Information Processing at the University of Minnesota, is seeking an Associate Director. The job requires an M.A. in the History of Science or Technology or related fields such as computer science, science and technology studies, or economics. A Ph.D. or equivalent experience in research desirable. The associate director will share a major responsibility for carrying out the programmatic activities of the institute, including historical research, dissemination of information pertaining to the field of information processing, participating in related professional societies, and the administration of the Charles Babbage Institute, including budget preparation, research direction, and editing the CBI Newsletter. Experience in electronic publication is desirable. Administrative experience desirable. Familiarity with DOS/OS2-based word-processing, database, and spreadsheet programs desirable. Demonstrated ability to respond to subordinates and a varied clientele efficiently, effectively, and cooperatively required. The position is an annual, renewable academic administrative post.

Submit applications to Diana Larson, Charles Babbage Institute, 103 Walter Library, University of Minnesota, Minneapolis, MN 55455. Please include a curriculum vitae with a list of publications and the names of three individuals whom we
**Future Meetings & Calls for Papers**

**NASA Conference—The History of Satellite Communications**

NASA is sponsoring a conference entitled "Beyond the Ionosphere: A Conference on the History of Satellite Communications" 17-18 October 1995 at NASA Headquarters, Washington, DC. The conference will comprise three sessions and a tour of the COMSAT research and development laboratories in nearby Chelmsford, Maryland. John V. Evans, who witnessed the beginnings of satellite communications at Jodrell Bank in England, and the current President of COMSAT laboratories, will conduct the tour. For more information and registration materials contact Roger Launius or Andrew Buttrica at the NASA History Office, Code ICH, NASA Headquarters, Washington, DC 20546; telephone (202) 358-0384; or e-mail a.buttrica@hscx.org.

**Interface '95—Twentieth Annual Humanities and Technology Conference**

The Social and International Studies Department of Southern College of Technology and the Humanities and Technology Association are sponsoring "Interface '95," a conference providing a forum for discussing the interaction of humanistic concerns with scientific and technological developments. The conference will be held at the Sheraton Atlanta North West on 19-20 October 1995. Past participants have represented such diverse fields as engineering, technology, computer science, physics, history, literature, music, and medicine. Without excluding other topics, this year's conference especially invites proposals that focus on boundaries and puzzles: interdisciplinary perspectives among science, technology, and the humanities. The deadline for paper proposals was 1 May 1995. For more information contact Julie R. Newell at telephone (404) 528-7881 or (404) 528-7442; Fax (404) 528-4949; e-mail: jnewell@uct.edu.

**Conference on Comparative Perspectives on the History of Sexually Transmitted Diseases**

The University of London is hosting a conference, 26-28 April 1996, which will examine the spread of sexually transmitted diseases and their economic, social, medi-...
Future Meetings & Calls for Papers

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European Society for the Study of Science and Theology Conference

The European Society for the Study of Science and Theology (ESSAY) will hold its Sixth European Conference on Science and Theology (ECST VI) in Kraków, Poland, 26-30 March 1996. The theme will be "The Interface of Scientific and Theological World Views" and will be held in cooperation with the Center for Interdisciplinary Studies at the Pontifical Academy of Theology, Kraków.

The conference will include five plenary lectures by prominent scholars, some of which will be open to the public. An important thrust is expected to come from the fourroom workshops, where papers contributed by the participants will be discussed. One of these should be sufficiently close to your interests to accommodate a paper (abstract to be submitted by 31 May 1995) or your oral contribution.

All conference activities will take place in Kraków's Old Town with direct access to a wealth of cultural and historical attractions. Visitors to the famous salt mine at Wieliczka, to Auschwitz, and to museums of astronomical instruments and manuscripts, including those of Copernicus, will be organized during the conference.

For registration information contact: Dr. Zbigniew Liana, ul. sw. Marka 10, PL-31012 Kraków, Poland; telephone: (+48) 12 222 176; Fax: (+48) 12 221018; e-mail: alliana@cyf.kr.edu.pl.

XXth International Congress of History of Science

The International Union of History and Philosophy of Science, Division of History of Science (IUHPS/DHS) announces a conference: "Science, Technology and Industry" to be held at the University of Liège (Belgium) 25-30 July 1997. For more information contact: Centre d'Histoire des Sciences et des Techniques, Université de Liège, Avenue des Tilleuls 15, B-4000 Liège, Belgium; telephone: 32 4 4166.94.79; Fax: 32 4166.95.47.

Notre Dame Human Genome Project Conference

The John J. Reilly Center for Science, Technology and Values, the Program in History and Philosophy of Science, and the College of Arts and Science at the University of Notre Dame will sponsor a major conference on the Human Genome Project entitled "Controlling Our Destiny: Historical, Philosophical and Ethical Perspectives on the Human Genome Project" on the Notre Dame campus. The conference, to be held 5-8 October 1995, will include major sessions examining HGP issues from historical, sociological, philosophical, ethical and science-religion perspectives, with participation from a wide group of scholars, including Horace Judeon, Harvey Bauld, David Hyde, Lily Kay, Hans-Joerg Rheinberger, Evelyne Fox Keller, Jean Guenin, John Bennet, Timothy Lemos, Stephen Hilgartner, Michael Fortun, Jean Paul Gaullier, Robert Bud, Kenneth Schaffner, Edward Manier, Philip Kocher, Diane Paul, Arthur Caplan, Timothy Murphy, Arund Peacocke, Erman McMullen, Osman Bakir, David Burwell, Kevin Fitzgerald, and John Staudmann. Contributed paper sessions are planned to encourage attendance by other scholars. Proposals for fifteen-minute papers were to have been received by 1 June 1995, along with a 200 word abstract. For further information contact: Phillip Sloan, Director, Notre Dame Program in History and Philosophy of Science, University of Notre Dame, Notre Dame, IN 46556; fax: (219) 631-8209; e-mail: philip.s.sloan.1@nd.edu.

International Conference on Ancient Science and Technology

The University of Wales Institute of Classics and Ancient History will hold an International Conference on Ancient Science and Technology 6-8 September 1995 at Gogynynog (the University of Wales Conference Centre, near Newtown, Powys). Speakers will include: I. Beavis (Tunbridge Wells), S. Cuomo (Cambridge), I. Fervices (British Museum), F. De Gandt (Lille III), H. Gotschalk (Leeds), A. Trevor Hodge (Carleton), J. Riddle (North Carolina), A. Steswyk (Geneva), and T. Walden (Institute of Archaeology). Further information and Registration Forms may be obtained from: Dr. T. E. Ridg, Department of Classics, St. David's University College, Lampeter, Dyfed, UK SA48 7ED.
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Architecture and Science Session at the Annual Meeting of the Society of Architectural Historians

The 49th Annual Meeting of the Society of Architectural Historians, St. Louis, 17-21 April 1996, will feature a session on "Architecture and Science: The Place of Historical Epistemology in Architectural Thought." This session will explore such themes as the scientific patronage of architectural work, the emergence of new building types such as museums, laboratories, planetariums, and even space stations in relationship to scientific development, and the tension between artistic and scientific ideals in architectural thought. This session also invites papers which explore the ideological connections between architecture and science within a variety of historical and cultural contexts.

Abstracts should be 750 words long, and are due by 1 September 1995. Send abstracts and inquiries to Carla Yanni, School of Architecture and Planning, University of New Mexico, 2414 Central SE, Albuquerque, NM 87131, cyanni@unm.edu, or to Paula Y. Lee, Department of Art, Cochrane-Woods Art Center, 5540 S. Greenwood Ave, Chicago, IL 60637, paulalee@midway.uic.edu.

Conference to Mark the Quatercentenary of Descartes' Birth

The University of Sydney announces a conference on Descartes' Natural Philosophy, to be held 9-12 April 1996. The main themes of the conference will be Descartes' account of physiology, optics, mathematics, harmonie theory, mechanics, cosmology, cognition, and the nature of the mind. Papers are invited on any of these or related themes, including the background to Descartes' work in natural philosophy and the way in which it was taken up in the 17th and 18th centuries. Abstracts (800 words) should reach the conference organizers by 1 November 1995. Conference Organizers: Stephen Gaukroger, TM Philosophy, University of Sydney, Sydney, NSW 2006, Australia. (stephen.gaukroger@philosophy.usyd.edu.au)

"Technology, Sustainable Development and Imbalance"

Universitat Politecnica de Catalunya is organizing a conference entitled "Technology, Sustainable Development and Imbalance" to be held in Barcelona 14-16 December 1995. The world appears to be going through a time of crisis, with fundamental changes in structures and values, in which we are faced with (among many other realities) sharp rises in population, capital, production, energy consumption, exchange of resources and waste, and also in the amount of communication, information and knowledge available. All this, which is inseparably bound up with new technological development, has an ecological and social impact whose importance is as yet not fully understood.

Our foremost intention is that this conference should serve to bring together as wide a selection as possible of the explanations, interpretations and proposals that are being put forward all over the world on the subject of the present crisis in our civilization. The aim of the international conference is therefore to stimulate the analysis of the changes taking place and to help create the right conditions for action in support of the sort of world we are trying to build, with less imbalance and inequality, more diversity and renewed values.

For more information contact the conference office: C. Mallorca 327, pral 1a, 08027 Barcelona; Fax: (93) 457-62-12; e-mail: sustenible@esprit.upc.es. Paper proposals were due 31 May 1995.

Oral History Association Annual Meeting

The Oral History Association invites proposals for papers and presentations for its 1996 annual meeting, to be held 10-13 October 1996 in Philadelphia, Pennsylvania. The theme of the meeting is "Oral History, Memory, and the Sense of Place." Proposals that relate to oral history of popular and professional notions of history; the construction of local memories; the relationship between vernacular, covert, or supressed histories and official history; the importance of locale in shaping community identity; the nature and role of nostalgia in local memories; the uses of memory in heritage-based tourism; and related topics are especially encouraged. Proposals on other subjects are also welcome.

The Program Committee invites proposals from oral history practitioners in a variety of disciplines and settings, including academic institutions, museums and historical societies, archives, and community organizations, as well as independent historians. Sessions may address oral history as it is used in a variety of media, including radio, film, video, exhibitions, and drama. While sessions may be organized as panels with formal presentations, the Program Committee also encourages roundtables and workshops, media and performance-oriented sessions, and sessions that invite audience involvement. Graduate student proposals and proposals related to undergraduate and precollegiate use of oral history are encouraged.

Proposals for entire sessions would include a title and one-page description of the issues and questions the session will address; the title, name of presenter, and one-page abstract of each presentation in the session; the name of the convener; a suggested commentator; and short vitae, including affiliation, mailing address, and phone number, for each presenter. The Program Committee encourages sessions in which participants represent the full diversity of oral history practitioners. Individual papers or other proposals should include a title and one-page abstract of the presentation and a short vitae of the presenter.

For further information or to submit proposals, contact: Howard L. Green, New Jersey Historical Commission, CN 305, Trenton, NJ 08625, telephone: (609) 984-3460, fax: (609) 633-8168, e-mail: hlgreen@pikot.nj.gov or Linda Shapesh, Division of History, Pennsylvania Historical & Museum Commission, Box 1026, Harrisburg, PA 17108, telephone: (717) 772-3257, fax: (717) 783-1073, e-mail: lshapesh@lpixote.ilotus.org (queries only). Deadline: 15 December 1995.

International Union of the History and Philosophy of Science

The next international congress will be in Liège, Belgium, in July 1997. At that time (and preferably a bit before) bids will be accepted for the next international congress of the Division of the History of Science of the IUHPS (International Union of the Histor
Future Meetings & Calls for Papers

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History and Philosophy of Science) to be held in the year 2001. If anyone or a group would be interested in hosting such a meeting in some US city, would he/she/it please get in touch with Professor Ruth Schwartz Cowan at SUNY-Stony Brook, (rcowan@sunmail.sunsb.edu) or Margaret Rosenzweig at Cornell (mros@cornell.edu).

"Hippocrates and Modern Medicine"
The Francis Clark Wood Institute for the History of Medicine of the College of Physicians of Philadelphia will hold a conference on the theme of "Hippocrates and Modern Medicine." The dates of the conference are 4-5 May 1996. Pre-circulated papers will explore the multiple meanings, constructions, and uses of Hippocrates and Hippocratic medicine since the seventeenth century in a variety of national contexts. Registration is limited. For further information contact Monique Bourque, Ph.D., Assistant Director for Programs, Wood Institute, College of Physicians of Philadelphia, Philadelphia, PA 19103, telephone: (215) 563-3737, fax: (215) 561-6477, or e-mail: bourque@hsl.org.

History of Statistics
The Harrisburg chapter of the American Statistical Association has chosen the history of statistics as the theme for the academic year 1995-96. The annual conference in May 1996 will be devoted to the history of statistics and other historical talks will be given in the course of the year. There are still openings for speakers at the conference. More details about the schedule for the year are available from Thomas Drucker, President, ASA-Harrisburg, 304 South Hanover Street, Carlisle, PA 17013-3958.

Third International Conference on History, Philosophy and Science Teaching
Educators, historians and philosophers will meet to discuss reforms in science education 29 October-1 November 1995, immediately following the History of Science Society Annual Meeting in Minneapolis. A major theme for this year's conference is the cultural context of science and teaching. Sessions on Sunday will focus on exemplary practice and provide a good introduction to the field for historians who wish to extend their stay in Minneapolis a few hours. Meet Charles Darwin and other scientists from the past at a reception Sunday afternoon. Paper sessions include: Culture and Scientific Knowing; Models of Conceptual Change; Constructivism; Science and Power; Science, Teaching and Gender; History of Science Education; Project 2061. There will be discussion of new national standards for science education which include the history and nature of science. For registration information, contact: Lori Graven, 216 Noltz Center, University of Minnesota, Minneapolis, MN 55455. By e-mail contact: c.ploeser@mail.ore.umn.edu.

"Reconsidering the Prescriptions of Karl Popper"—Oregon State University
Oregon State University will host a one-day conference, "Reconsidering the Prescriptions of Karl Popper: Science and Objectivity in Our Times," on 12 October 1995. Among the speakers will be Allan Franklin, David Hull, Helen Longino, and Jane Maienschein. The conference is sponsored by the Department of History and Philosophy with additional support provided by the Horning Endowment. For additional information contact: Paul Farber, Department of History, Oregon State University, Corvallis, OR 97331.

Midwest Junta for the History of Science—Thirty-ninth Annual Meeting
The Thirty-ninth Annual Meeting of the Midwest Junta for the History of Science met at the Linda Hall Library of Science, Engineering and Technology, in Kansas City, Missouri 29-31 March 1995. For more information please contact Eliseo Fernández, Reference Librarian, Linda Hall Library, 5109 Cherry Street, Kansas City, MO 64110. Telephone: (816) 363-5020; Fax: (816) 926-8785; e-mail: fernando@bl.lib.mo.us.

International Society for the History, Philosophy and Social Studies of Biology
The International Society for the History, Philosophy and Social Studies of Biology met 11 May 1995 at the University of Pittsburgh. For more information on the conference, which was entitled "Brain, Behavior, and Heredity: Historical and Contemporary Issues," contact Jonathan Ehrlich (412) 648-8927 or jeh@med.pitt.edu.

Christian Huygens Congress
The Christian Huygens Congress met 7-8 July 1995 at Leiden University. For more information contact: A. Eyffinger, Statenlaan 4, 2582 GL The Hague, Netherlands; Phone: 070 - 3554873.

Third British-North American Joint Meeting of the CSBPS, HSS and BSHS
The third joint meeting of the CSBPS, HSS and BSHS will take place in Edinburgh, Scotland, 23-26 July 1996. These dates coordinate with the international meeting of SHOT in London on 1-4 August 1996. Dr. John Henry is chair of local arrangements, and participants can be assured of a pleasant and affordable stay in this beautiful, historic and accessible capital city. Registrations will be coordinated by the BSHS.

Center for Bioethics, University of Pennsylvania—Conference
The Center for Bioethics at the University of Pennsylvania sponsored a conference entitled "Designing Our Descendants: Ethical, Legal, and Policy Issues Raised by Advances in Genetic Engineering" 18 May 1995. For more information contact Janika Clinkscale at (215) 898-7136 or clinkscale@mail.med.upenn.edu.
Executive Secretary.

This announcement constitutes a call for individual papers, and for proposals by prospective organizers of scholarly sessions. Once again there will be a theme: "Crossing Boundaries." This can be interpreted broadly to include the historical study of science across, for example, national, regional, community, disciplinary, public-private and professional-lying boundaries. The theme is intended to provide a wide chronological and subject range, and to bridge a variety of approaches and methods, but also to ensure coherence around interpretive problems of current interest. All offers of organized sessions will, however, be carefully considered.

Papers must last no longer than 20 or 30 minutes, and all speakers must submit abstracts to Dr. Henry by 1 June 1996, for all participants to receive a program upon registration. (Note: to facilitate this, speakers should be prepared to send computer disks of the abstracts to the HSS Executive Secretary-ASCII text file in DOS preferred.) Session organizers are strongly encouraged to include speakers from more than one country, and to reserve time for good discussion led by a commentator. Sessions will last for 1.5 and 2 hours.

Proposers of individual papers should submit 250 word abstracts to the Programme Chair of the respective society:

HSS: Robert Hatch, Univ. of Florida, (904) 392-0271, FAX (904) 392-0927, E-mail ulohatch@prevor.nresc.ufl.edu.

BSHS: Stephen Pumphrey, Lancaster Univ., Tel: 0524-592508, FAX: 0524-846102, E-mails: pumpshy@lancaster.ac.uk.

CSHPS: Hannah Gay, Simon Fraser Univ., Tel: (604) 291-3648, FAX: (604) 291-5837, E-mail hgay@sfu.ca.

Conference Information

Sought

Please notify the Executive Secretary's Office of planned conferences and meetings as early as possible so that information may be printed before registration and submission deadlines have passed. Submit notices to the HSS Executive Secretary’s Office, Box 351330, University of Washington, Seattle, WA 98195-1330.
ISIS Books Received
(in of May 1995)

Aceves Pastrana, Patricia (Editor). Estudios sobre la Quimica en España e América (Seglos XVIII y XIX). (Estudios de historia social de las ciencias químicas y biológicas, No. 1) 291 pp., bibil. Mexico City: Universidad Autónoma Metropolitana, 1994. (paper).


Bodner, Walter; McKe, Robin. The Book of Man: The Human Genome Project and the Quest to Discover Our Genetic Heritage. xii + 259 pp., illus., figs., index. Old Tappan, NJ: Scribner, 1995. $27.50.

Bonta, Marcia Myron (Editor). American Women Afield: Writings by Pioneering Women Naturalists. (Louise Lindsey Merrick Natural Environment Series, Vol. 20.) xvi + 248 pp., illus., bibil. College Station, Texas: Texas A&M University Press, 1995. $35 (cloth); $15.95 (paper).


Caflisch, Andrea. La fabbrica del corpo: Libri e didattica nel Rinascimento. (Piccola Biblioteca Einaudi, Vol. 622.) xiv + 269


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Classen, Cheryl (Editor). *Women in Archaeology*. x + 252 pp., illus., figs., bibl., index. Philadelphia: University of Pennsylvania Press, 1994. $36.95 (cloth); $16.95 (paper).

Cohen, I. Bernard. *Interactions: Some Contacts Between the Natural Sciences and the Social Sciences*. xx + 204 pp., index. Cambridge, Mass./London: MIT Press, 1994. $34.95 (cloth); $16.95 (paper).


Crawford, Michael J. *Modern Theories of the Universe from Hererch to Hubble*. xii + 435 pp., illus., figs., apps., bibl., index. New York: Feminist Press, 1995. $12.95 (paper).


Davies, R. E. G.; Quandt, I. E. *Commuter Airlines of the United States*. Foreword by George Haddaway. xiv + 480 pp., frontis., illus., tables, apps., bibl., index. Washington, DC/London: Smithsonian Institution Press, 1995. $56.


Eldredge, Niles. *Reinventing Darwin: The Great Debate as the High Table of Evolutionary Theory*. xii + 244 pp., bibl., index. New York/Chichester: Wiley, 1995. $27.95.


Ferraro, Domenico. *Itinerari del
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Fraser, Gordon; Lillienstam, Egil; Sellevag, Inge. *The Search for Infinity: Solving the Mysteries of the Universe*. Foreword by Stephen Hawking. 155 pp., illus., figs., index. New York: Facts on File, 1995. $22.95, Can $29.95.

Freseguet Febre, Jose Luis. *La Experiencia Americana y la Terapéutica en los Secretos de Cirugia (1567)* by Pedro Arico de Benavides. (Cuadernos Valencianos de Historia de la Medicina y de la Ciencia, Vol. 41.) 194 pp., illus., bibl., index. Valencia: Universitat de Valencia, 1993. (paper).


Frusht, Joseph S. *Eight Years*. x + 346 pp., illus., bibl., index. New Haven, CT: Epiphonous Press, 1994.


Geiger, Brenda; Fischer, Michael; Family, Justice, and Delinquency. Foreword by Hans Toch. (Contributions in Family Studies, Vol. 16.) xx + 143 pp., tables, bibl., index. Westport, Conn./London: Greenwood Press, 1995. $49.95.


Hagen, Michael; Reinhberger, Hans-Jorg; Walther-Schmidt, Bettina (Editors). *Objekte. Differenzen und Konjunkturen: Experimentalsysteme im historischen Kontext*. 317 pp., illus., bibl., index. Berlin: Akademie Verlag, 1994. DM 78, SwFr 78, £S 608.


Harris, Sheldon H. *Factories of Death: Japanese Biological Weapons 1932-45* and *and the American Cover-up*. xiv + 297 pp., figs., app., bibl., index. London/New York: Routledge, 1995. $25, Can $31.50.

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Aoldigkin, Dorothy Mary Crowfoot. Catalogue of the Papers and Correspondence of Dorothy Mary Crowfoot Hodgkin, O.M. F.R.S. Compiled by Peter Harper and Paul Newman. 3 Volumes. 362 pp., bibl., index. Bath: National Cataloguing Unit for the Archives of Contemporary Scientists, 1994. $60 (paper).


Ingoldby, Bron B.; Smith, Suzanne (Editors). Families in Multicultural Perspective. (Perspectives on Marriage and the Family.) xvi + 482 pp., illus., tables, app., bibls., index. New York/London: Guilford Press, 1995. $45.


Kajser, Anne; Heidin, Marika (Editors). Nordic Energy Studies: Historical Perspectives and Current Issues. xii + 246 pp., illus., figs., tables, index. Canton, Mass.: Science History Publications, 1993. $39.95.


Kraemer, Gerhard W. Berthold Schwarz: Chemie und Wettentechnik im 15. Jahrhundert. (Abhandlungen und Berichte, Neue Folge, Band 16.) 283 pp., illus., figs., tables, bibl., indexes. (Munich): Deutsches Museum, n.d. DM 42.

La Mettrie, Julien. Offray de. Man a machine and man a plant. Translated by Richard A. Watson and Maya Rybakova. Introduction and Notes by Justin Leibert. 92 pp. Indianapolis: Hackett Publishing, 1994. $29.95 (cloth); $7.95 (paper).


López Piñeiro, José María; Glick, Thomas F. El Megaterio de Bru y el Presidente Jefferson: Una Relación Inexpuesta en los Archivos de la Paleontología. (Cuadernos Valencianos de Historia de la Medicina y de la Ciencia, Vol. 42.) 147 pp., illus., tables, bibl. Valencia: Universitat de Valencia, 1993. (paper).

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MacLeod, Roy; Rebbeck, Philip F. (Editors). Darwin's Laboratory: Evolutionary Theory and Natural History in the Pacific. x + 540 pp., illus., index. Honolulu: Univ. of Hawaii Press, 1995.

Mannino, Gianluca (Editor). Storia e fondamenti della chimica. (Based on papers presented at the fifth national convention on "storia e fondamenti della chimica" 27-30 October, 1993, Perugia). 527 pp., illus., figs., tables, bibl. n.p.; Accademia Nazionale delle Scienze, 1995.


McFarland, Stephen L. America's Pursuit of Precision Bombing, 1910-1945. (Smithsonian History of Aviation Series.) xvi + 312 pp., illus., figs., tables, apps., bibl., index. Washington, DC: Smithsonian Institution Press, 1995. $29.95.

Meyer, Harvey; Simonelli, Daniele K. Launchpad for the 21st Century: Yearbook of the International Space Year. (A Special Supplement to Advances in the Astronautical Sciences.) xiv + 399 pp., apps. San Diego: American Astronautical Society, 1995. $70 (cloth); $50 (paper).

Michalakyn, John J. (Editor). Medicine, Bible, and the Third Reich: Historical and Contemporary Issues. xiv + 258 pp., illus., apps., bibl., index. Kansas City, MO: Sheed & Ward, 1994. $19.95 (paper).

Molino Navarro, Juan Antonio. Cateálogo del Fondo Sadocba-Quinteros. (Cuadernos Valencianos de Historia de la Medicina y de la Ciencia, Vol. 43.) 385 pp., tables, bibl., index. Valencia: Universitat de València, 1994. (paper).


Muller, Bernhard. Militärpharmazie in Deutschland bis 1945. Foreword by Felix Krafft. (Quellen und Studien zur Geschichte der Pharmazie, Vol. 68.) xii + 418 + 28 pp., illus., bibl., index. Stuttgart: Wissenschaftliche Verlagsgesellschaft, 1993. DM 62, Fr 62, OS 484 (paper).


Nelkin, Dorothy; Lindsey, M. Susan. The DNA Mystique: The Gene as a Cultural Icon. x + 276 pp., illus., index. New York: W.H. Freeman, 1995. $22.95.


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Nye, David E. *American Technological Sublime*. xvi + 562 pp., illus., bibl., index. Cambridge, Mass./London: MIT Press, 1994. $35.


Perez Sedeto, Eulalia (Editor). *Conceptualizacion de la feminismo en la filosofia espanola*. xvi + 118 pp., figs., bibl., index. Madrid: Siglo veintiuno editoras, 1994. (paper).

Pickles, John (Editor). *Ground Truth: The Social Implications of Geographic Information Systems*. (MAPPPINGS: Society/Theory/Space.) xvi + 248 pp., illus., figs., bibl., index. New York/London: Guilford Press, 1995. $40 (cloth); $18.95 (paper).


Porter, Dorothy (Editor). *The History of Public Health and the Modern State*. (The Wellcome Institute Series in the History of Medicine; Clio Medica, Vol. 26.) viii + 439 pp., tables, bibl., index. Amsterdam: Editions Rodopi B.V., 1994. $70.50, Dfl 180 (cloth); $34, Dfl 55 (paper).


Prussin, Robert N. *Caner Wars: How Politicians Shape What We Know and Don't Know About Cancer*. xii + 356 pp., figs., tables, bibl., index. New York: Basic Books, 1995. $25.


Reed, Germaine M. *Catalyzing for Chemistry*. The Professional Career of Charles Hubert Harper. xvi + 474 pp., frontis., illus., bibl., index. Athens/London: University of Georgia Press; Durham, N.C.: Roper History Society, Inc., 1995. $45.


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Ryser, David J. Too Much Liberty: Perspectives on Freedom and the American Dream. xx + 169 pp., figs., apps., bibl., index. Westport, Conn./London: Praeger, 1995. $55 (cloth); $15.95 (paper).

Sacks, Joc. Aristotelian Physics: A Guided Study. (Masterworks of Discovery) xiv + 260 pp., app., index. New Brunswick, NJ: Rutgers University Press, 1995. $52 (cloth); $18 (paper).

Sargent, Rose-Mary. The Diffronts Naturalistes: Robert Boyle and the Philosophy of Experiment. (Science and its Conceptual Foundations.) xii + 355 pp., bibl. Chicago/London: University of Chicago Press, 1995. $65 (cloth); $26 (paper).


Schoenfeld, Max. Stalking the U-boat: USAF Offensive Antisubmarine Operations in World War II. (Smithsonian History of Aviation Series.) xiv + 231 pp., illus., tables, apps., bibl., index. Washington, DC/London: Smithsonian Institution Press, 1994. $37.50.


Sheldrake, David P. Aging Political Activism: Personal Narratives from the Old Left. xiv + 293 pp., bibl., index. Westport, CT/London: Praeger, 1995. $55.

Siddiqui, Javed. World Health and World Politics: The World Health Organisation and the UN System. xiv + 272 pp., tables, apps., bibl., index. Columbia: University of South Carolina Press, 1995. $34.95.


Steel, Duncan. Rogue Astronauts and Doomed Daysmen: The Search for the Million Mega-ton Monster that Threatens Life on Earth. Foreword by Arthur C. Clarke. xii + 308 pp., illus., figs., bibl., index. New York/Chichester, Eng.: Wiley, 1995. $29.95.


Telle, Joachim (Editor). Analekta Persarvica: Studien zum Nachleben Theophrast von Hellenheim im deutschen Kadergesetz der frühen Neuzeit. (Heidelberger Studien zur Naturkunde der frühen Neuzeit, Vol. 4) x + 590 pp., illus., index. Stuttgart: Franz Steiner Verlag, 1994. DM 188, SwFr 188, ÖS 1467.


Towne, Charles H. Making Waves. (Masters of Modern Physics.) xii + 211 pp., illus., figs., index. Woodbury, NY: American Institute of Physics, 1995. $29.95.

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Van den Abeele, Baudouin. La Fauconnerie au Moyen Âge: Connaissance, Affûtage et Médecine des Oiseaux de Chasse d’après les Traité Livres. (Collection Supérence.) 343 pp., illus., app., bibl., index. n.p: Editions Klincksieck, 1994. (paper).

Vermeulen, Han P., Riedls, Arturo Alvarez (Editors). Fieldwork and Footnotes: Studies in the History of European Anthropology. (European Association of Social Anthropologists.) xiv + 261 pp., figs., bibl., index. London/ New York: Routledge, 1994. $59.95. Can $80.95 (cloth); $16.95. Can $22.95 (paper).


Wise, M., Norton (Editor). The Values of Precision. viii + 372 pp., illus., index. Princeton: Princeton University Press, 1995. $49.50; L35.


Wolf-Darwin, Celita. Descartes on Seeing: Epistemology and Visual Perception. (The Journal of the History of Philosophy Monograph Series.) x + 121 pp., illus., bibl., index. Carbondale, Ill.: Southern Illinois University Press, 1993. $18.95 (paper).


Zeeberg, Peter. Tycho Brahe’s "Urania Tirana". Enligt om Sophie Brate. (Renaissancesstudier, Vol. 7): 327 pp., illus., bibl., index. Copenhagen: Museum Tusculanum forlag, 1994. (paper).


Ziman, John. Of One Mind: The Collectivisation of Science. (Masters of Modern Physics.) xvi + 407 pp., illus., figs., bibl., index. Woodbury, NY: American Institute of Physics, 1995. $29.95.

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