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## CONTENTS

### PACIFIC CIRCLE NEWS

Forthcoming meetings .....	2
New Correspondents .....	3
Members' News .....	3
Bulletin Editorship .....	3

IUHPS/DHS NEWS .....	4
----------------------	---

PSA NEWS .....	5
----------------	---

PACIFIC WATCH: University of California, San Francisco .....	7
--	---

COUNTRY REPORT: CHINA .....	10
-----------------------------	----

CONFERENCE REPORTS .....	12
--------------------------	----

California: UC-Stanford history of science workshop .....	12
---	----

American Association of Geographers .....	14
---	----

IX Pacific Congress on Marine Science and Technology .....	14
--	----

FUTURE CONFERENCES & CALLS FOR PAPERS .....	14
---	----

EXHIBITIONS .....	22
-------------------	----

RECENT GRANTS .....	23
---------------------	----

EMPLOYMENT AND GRANT OPPORTUNITIES .....	23
--	----

BOOK NEWS .....	26
-----------------	----

BOOK REVIEWS .....	27
--------------------	----

Laurel Kendall <i>et al</i> , <i>Drawing Shadows to Stone</i> .....	27
---	----

Patricia Aceves Pastrana, <i>Química, botánica y farmacia en la Nueva España</i> .....	29
--	----

Glyndwr Williams, <i>The Great South Sea</i> .....	30
--	----

NEW AND RECENT SERIALS .....	32
------------------------------	----

PACIFIC BIBLIOGRAPHY .....	33
----------------------------	----

CATALOGS RECEIVED .....	39
-------------------------	----

SUBSCRIPTION INFORMATION .....	40
--------------------------------	----

## PACIFIC CIRCLE NEWS

### FORTHCOMING MEETINGS

A general meeting of the Pacific Circle will take place at the Pacific Circle symposium on 7 July during the Pacific Science Congress meeting in Sydney (see "PSA News" below).

The Circle is considering holding a symposium at the Fourth British-North American Joint Meeting of BSHS, CSHPS and HSS, 3-6 August 2000, in St. Louis (for details, see "Upcoming Conferences"). The proposal deadline for this conference is 15 Dec 99, so members who would like to give papers should submit proposals to either Fritz Rehbock or Roy MacLeod as soon as possible (their addresses can be found at the back of the *Bulletin*). This will help them to determine whether there is sufficient interest for a symposium. Papers require an abstract of 250 words.

The Circle is also considering holding a symposium at the HSS annual meeting in Vancouver on 1-5 November 2000. There is no paper deadline yet, but members interested in presenting papers in Vancouver should contact Fritz Rehbock or Roy MacLeod as soon as possible. Once again, your feedback will determine whether or not a Pacific Circle meeting will take place at the conference.

\*\*\* The Circle will be organizing its usual symposium at the International Congress for the History of Science in Mexico City in 2001 (see "IUHPH/DHS News"). ***An extremely important general meeting will be held at this conference***, probably (as usual) on the same day as the Pacific Circle symposium. Almost all of the Circle's officers will be retiring in 2001, and we will need to hold elections for the posts of President, Vice President, Secretary and Treasurer. Candidates for nomination are urged to contact Roy MacLeod or Fritz Rehbock as soon as possible; friends and supporters of possible candidates are also encouraged to get in touch. ***We will need a lot of support from our membership in order to renew our executive and maintain the prominent role that David, Roy and Fritz have established for the Pacific Circle.***



## NEW CORRESPONDENTS

**Dr. Yu Cao** has kindly agreed to become our new correspondent for China. Dr. Cao is associate professor of the Institute for the History of Natural Science, Chinese Academy of Sciences (CAS), where she has been working since 1986. Her major research interest is in the field of modern life science history in both China and the West, and from internal and external points of view. She has concentrated on the modern history of Chinese biology during recent years, and received a Grant-in-Aid from the Rockefeller Archive Center in 1996 to study the "Contribution and Influence of the Rockefeller Foundation in Modern Chinese Biology before 1949". She tells me that she learned of the Grant-in-Aid program through the *Pacific Circle Newsletter* (as it was then), so what goes around comes around! She has been a longstanding friend of the Pacific Circle and we are delighted to welcome her to our team of international correspondents.

Dr. Cao has kindly pointed out, to avoid confusion, that early entries in the Pacific Circle directory have given her name in the Chinese manner as Cao Yu; more recent references have used the Western convention. She has also provided an address for those who wish to contact her:

Institute for the History of Natural Science  
Chinese Academy of Sciences  
137 Chao Nei Street  
Beijing, 100010  
P. R. China

Phone: 86-10-82072003

Fax: 86-10-64017637

Email: lipingcy@public2.bta.net.cn

## MEMBERS' NEWS

Congratulations to **W. Conner Sorensen** who has been named Fellow of the Entomological Society of America in 1998.

## BULLETIN EDITORSHIP

Since this is my first issue of the *Bulletin* I would like to say how delighted I am to be your new editor, and would like to pay tribute to my predecessor Fritz Rehbock. Fritz remains the Pacific Circle's treasurer until 2001, and he also continues to provide invaluable support and help while I find my feet as editor of the *Bulletin*. On behalf of all of us I would like to thank him for his efforts in giving the Pacific Circle a *Newsletter*, and then a *Bulletin*, and for his ongoing role in helping to maintain the networks

of contacts that constitute our far-flung organisation. Many thanks, Fritz.

Some of you might wonder why the *Bulletin* is being edited at a university in the Canadian prairies. I moved here from the UK last July to join the History and Classics department at the University of Alberta, and have been delighted to find that my new base of operations is widely known – among other things – for the history of science. We now have three full-time faculty members in this area of expertise, including our new department chair, **Robert Smith**, who came to us from the Smithsonian with a splendid book on the Hubble telescope under his belt. Although my own area of expertise is British imperialism in the Pacific, rather than the history of science per se, my current researches into missionary anthropology are science-related. For more on my research interests and background see my homepage:

<http://www.ualberta.ca/~janes/home.html>

## IUHPS/DHS NEWS

**8-14 July 2001.** The **XXI International Congress of History of Science** will be held in Mexico City and is sponsored by the Mexican Society for the History of Science and Technology. The Congress theme will be Science and Cultural Diversity, and the Chairman of the Organizing Committee is Professor **Juan Jose Saldaña**. The Pacific Circle plans to host its usual symposium during the Congress and, as stated previously, there will be an important general meeting of the Pacific Circle as well.

Important Dates:

September 1999: First Circular and Registration Form.

September 2000: Second Circular.

February 2001: Third Circular.

March 2001: deadline for acceptance of abstracts.

For more information consult:

<http://weber.u.washington.edu/~hssexec/meetings/ICHS2001.html>

Or visit the website of the IUHPS Division of History of Science:

<http://www.cilea.it/history/DHS/>



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## PSA NEWS

**4-9 July 1999.** The **XIX Pacific Science Congress** will be held on the Kensington campus of the University of New South Wales. (See above, page 2.) This is the third time in the nearly 80-year history of the Pacific Science Association that its Congress will be held in Australia. The congress theme will be "Science for Pacific Posterity: Environments, Resources and Welfare of the Pacific People."

The major topics are:

- Lessons from the Past: Messages for the Future
- Global Environmental Change and the Pacific
- The Environment: Using Local Knowledge—Building Global Consequences
- Public Health in the Asia Pacific Region
- Communications in the 21<sup>st</sup> Century
- Natural Disasters: Reduction and Mitigation
- Urban Development: The Environmental Impact
- Interface Between Indigenous Peoples and Science
- Asia Pacific Ecosystems
- Biodiversity in the Pacific Region
- Environmental Management
- Women in Science and Development
- Science Communication and Education
- Renewable Energy
- Coral Reefs
- Water Resources
- Ecotourism
- Fisheries Management
- Active Compounds from the Sea
- Historical Perspectives on Pacific Science
- The Asian Currency Crisis
- Austronesian Dispersal
- Asia-Pacific Migration as a Factor in Social Change

Inquiries:

XIX Pacific Science Congress Secretariat  
GPO Box 2609  
Sydney, NSW 2001, Australia

Phone: (61-2) 9241 1478

Fax: (61-2) 9251-3552

Email: [reply@icmsaust.com.au](mailto:reply@icmsaust.com.au)

Web: <http://www.icmsaust.com.au/PacificScience>

The Pacific Circle's symposium "Historical Perspectives on Pacific Science" will be held on 7 July and will feature the following sessions:

Session I: Europeans and the Pacific. Chair: **Roy MacLeod** (University of Sydney).

**John Gascoigne** (University of New South Wales) "European perceptions of the Pacific in the late 18th century"

**David Stoddart** (UC Berkeley, USA) "Humboldt and the Pacific"

**John R.H. Andrews** (Victoria University of Wellington, NZ) "Sir Arthur Everard Home and the Hagfish"

**Ruth Barton** (University of Auckland, NZ) "Haast and the Moa: A Scientific Career in Colonial New Zealand"

Session II: Documenting Science in the Pacific. Chair: **Fritz Rehbock** (University of Hawaii, USA)

**L. A. Ivanova** (Russian Academy of Sciences) "The So-called Cook's Collection in the Peter the Great Kunstkamer, St. Petersburg: Myth and Reality"

**Mark D. Merlin** (University of Hawaii, USA) "The History of Ethnobotany in the Remote Tropical Pacific Region"

**Robert C. Kiste** (University of Hawaii, USA) "American anthropological research in Micronesia - a summing up after a half century of involvement in cultural and social anthropology"

Session III: Biology and Medicine in the 20th-century Pacific. Chair:

**David Oldroyd** (University of New South Wales)

**Donald Avery** (University of Western Ontario, Canada) "Wartime Medical Cooperation: Wilder Penfield and the 1943-44 Anglo-American Medical Missions to China and the Soviet Union"

**Roy MacLeod** (University of Sydney) "'Strictly for the Birds': The Pacific Ocean Biological Survey, 1963-1971"

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## PACIFIC WATCH

**The University of California at San Francisco, Dept. of the History of the Health Sciences**, announces the foundation of an independent Center for Historical Studies in 20<sup>th</sup> Century Health Sciences.

The history of medicine and the health sciences in the twentieth century encompasses far more than a story of what transpired in laboratories and scientific journals. A generation of historians and social scientists has taught us that the interactions between patients and physicians provide a window onto the broader historical currents that shape contemporary culture. Conceptions of sickness and disease, the selection of a particular treatment plan, and the overall form of the health care delivery system do not transpire in an historical vacuum, but necessarily reflect our religious, social, and cultural values. (The recent example of AIDS poignantly demonstrates this point.) Thus, as so many historians have recently discovered, the topic of medicine and the health sciences in the twentieth century is an irreplaceable resource for understanding who we are. The value of history is precisely its ability to provide a synthetic overview of trends large and small that impact directly upon everyday activity, and to introduce new, critical perspectives that refresh our search for possible solutions.

It is clear that the time has come to establish a Center that concentrates on topics relevant to twentieth-century medicine and health sciences. In addition to breaking new intellectual ground, such a Center, it is envisioned, will engage historians and social scientists in new lines of practical dialogue with scientists, clinicians and allied health care professionals, public health officials and other medical policy leaders, and the general public.

At present, UCSF has assumed a leadership role as the West Coast regional center for historians studying medicine and the health sciences. It would be hard to select a more appropriate location from which to study the growth of biomedicine, considering the prominent role UCSF has played, and continues to play, in such frontier areas as biotechnology. UCSF is also an established leader in the advancement of health care policy. In short, few other locations combine the traditions of history, scientific and clinical advancement, and health care leadership that represent the core of the Center's vision.

To explore the concept of such a Center, the Department obtained a five-year exploratory grant. To date, the grant has supported a combination of research, educational, and service activities. These activities have included the sponsorship of research by visiting and UC scholars, national

and regional conferences, local lectures and seminars, and the establishment of both a UCSF and California Faculty Network in the History of Health Sciences. Ongoing projects include an investigation into the history of AIDS in San Francisco, the creation of a California Health Care Archive, the UCSF Oral History Program, and preliminary work on the creation of a health sciences museum.

The experience of the five-year project reaffirms both the need for and the possibility of success of a permanently endowed Center located at UCSF. As yet, the closest comparable program to such a Center is the Welcome Institute in London, which until recently focused on seventeenth-, eighteenth- and nineteenth-century developments, with an eye to the European context. We believe that increased knowledge about the 20th-century historical dimension is particularly important. The establishment of a Center for the study of twentieth-century health sciences at UCSF thus would be both timely and strategic.

The Center's activities will be concerned with first, the promotion of advanced scholarship; second, the development of historical resources; and third, service:

#### Promotion of Advanced Scholarship:

- sponsor conferences and regular symposia that promote interdisciplinary exchange
- encourage publication of manuscripts and articles developed from conferences and sponsored research
- host national and international researchers
- sponsor sabbatical-year studies for UC and CSU historians
- promote links to CSU and UC historians, further develop Network
- sponsor research proposals for CSU and UC scholars
- offer postdoctoral research fellowships
- offer quarter-long courses for faculty and scholar development
- provide resources for UCSF medical students and Ph.D. students from other institutions

#### Development of Historical Resources:

- research history of UCSF and biotechnology programs
- promote retention of twentieth-century archival materials, most of which are under immediate threat of disposal
- sponsor Oral History Program at UCSF and other sites

## Service:

- improve communications of CSU and UC faculty and scholars
- offer special history of medicine training for M.D.'s pursuing field as avocation
- sponsor public lectures
- develop multimedia educational materials for distribution to schools and colleges

For more information about the center, or the Dept. of the History of the Health Sciences, see the following web page:

<http://itsrv1.ucsf.edu/%7Ehistory/Home.html>

**The University of California at Berkeley, Office for History of Science and Technology**, featured a presentation by visiting lecturer Zuoyue Wang on 23 February, 1999. The lecture was part of a colloquium series sponsored by the Center for Chinese Studies, Asian American Studies, and the Office for History of Science and Technology.

"Chinese American Scientists: From Model Minority to Model Modernity" argued that following the U.S.-China re-opening of relations, Chinese American scientists transformed themselves from a scheduled elite group in a marginalized "model minority" in the U.S. into agents of transnational technoscience, with cultural and even political import, especially in China. This talk also examined how conflicting values espoused by Chinese American scientists and scholars got incorporated into Chinese conceptions of modernity and modernization.

More information about the colloquium series from:

Office for History of Science and Technology

543 Stephens Hall # 2350

University of California

Berkeley, Berkeley, CA 94720-2350.

Phone: (510) 642-4581,

Fax: 643-5321;

e-mail: [kdf@uclink4.berkeley.edu](mailto:kdf@uclink4.berkeley.edu)



## COUNTRY REPORT: CHINA

The first department of history of science in a Chinese university was recently established at Shanghai Jiao Tong (Communications) University with a ceremony in Shanghai on 9 March 1999. Before that there was no specific department for the history of science, although there have been some research centers or groups in universities here.

The Department, with the full name of "Department of the History and Philosophy of Science", is organized and supervised jointly by two different institutions: the Shanghai Jiao Tong University and the Institute for the History of Natural Science, CAS, in Beijing. The Director of the department is Dr. Jiang Xiaoyuan, professor of the history of astronomy in the University; and the Vice-director is Liao Yuqun, professor of the history of medicine who acts on behalf of the director of the Institute. About 20 well-known domestic and foreign specialists have been invited as consultants or part-time professors. The founding of the department will doubtless be of benefit to the cause of the history of science in China.

The following articles were published in Vol. 19 (1998) of "China Historical Materials of Science and Technology", printed in Chinese with a brief English abstract. Please note that, according to Chinese custom, the family name is the first name:

"Characteristics and a List of Books on Geology Translated in Late Qing Dynasty", by **Ai Suzhen**, 1:11-25.

"The Rockefeller Foundation's Patronage of Science in China (1913-1941)", by **Lu Yiyi**, 2:24-28.

"Chinese Oceanography in the First Half of 20th Century", by **Zhang Jiuchen**, 3:31-40.

"Studies on China's Fauna and Flora by the West during 1840-1949", by **Luo Guihuan**, 4:1-18.

"A Study on the Formation of Mathematical Teachers in the Late Qing Dynasty", by **Tian Miao**, 4:19-24.

"1945-1948:Fervour for Nuclear Physics in China", by **Hu Shenghua**,4:40-44.

“The Impact of German Military Technology on the Bei Yang Fleet”, by **You Zhanhong**, 4:25-39.

“Manufacture and Development of Electric Locomotives in China”, by **Zhang Zhizhong**, 4:45-50.

“Dr. Robert Kho Seng Lim: A Pioneer of Modern Chinese Physiology”, by **Cao Yu**, 1:26-41.

“The Scientific Research and Scientific Thinking of Prof. Wang Hongzhen”, by **Yang Guangrong**, 2:46-56.

“Bo Shoren and the History of Chinese Astronomy”, by Sun Xiaochun, **Hu tiezhu**, and **Duan Yibing**, 3:45-55.

“Prof. Ray Wu: A Prominent American Chinese Molecular Biologist”, by **Cao Yu**, 4:51-69.

“Letters and Telegrams about Norbert Wiener’s visit to Tsinghua University”, by **Liu Xuhui**, 1:42-51.

“Records of Scientific Research Activities of the Central Research Institute of Agriculture”, by **Liu Yanwei**, 1:52-61.

“From the Lushan Arboretum and Botanic Garden to the Lushan Botanic Garden”, by **Hu Zonggang**, 1:62-74.

“Bureau of Aeronautical Research and Its Historical Value During the Anti-Japanese War”, by **Fu Haihui**, 3:56-63.

“The First Project for Department of Geography in Universities and Colleges around China”, by **Que Weimin**, 4:70-74.

Yu Cao, China Correspondent



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## CONFERENCE REPORTS

The 3rd Annual **Joint University of California-Stanford University History of Science Workshop** was held at UC Santa Barbara on 23 April 1999. These annual workshops were organized to provide an informal setting for scholarly discussion about topics of current interest in the history of science, technology, and medicine. The program was as follows:

- “Colonial Milieux”: **David Hoyt**, **Karen Oslund** and **Minghui Hu** (UCLA), spoke about French and Danish colonial rule and the Manchu dynasty and made comparisons with the problems of “Cosmopolitan Confucianism” of the past few hundred years in China. **Sharon Traweek** (UCLA) compared post-WWII Japanese science as colonized by American scientists, with America as colonized by European scientists after WWII. Finally, **Michael Osborne** (UC Santa Barbara) added comments from his own research on the importance of understanding local values.
- Panel discussion of *Wonders and the Order of Nature, 1150-1750* (Cambridge, MA: Massachusetts Institute of Technology Press, 1998) by L. Daston and K. Park. Panel members were **Joan Cadden** (UC Davis), **Daniel Stolzenberg** (Stanford), and **Mary Terrall** (UCLA). Cadden discussed the authors’ treatment of Medieval and Renaissance natural history; Stolzenberg the Scientific Revolution; and Terrall the Enlightenment. There were “scientists” in all periods attempting to understand the wonders of nature, and the panelists disagreed with the authors that the Enlightenment marked the “death of wonder”. This sparked a lively discussion during which the issues of alchemy and astronomy were mentioned as issues not discussed by Daston and Park.
- “Web-based Technology in Science / Technology Studies.” **Adrian Johns** (UCSD), **Kevin Knox** (Caltech), and **Alison Winter** (Caltech) illustrated the pedagogical power of the web with their presentation entitled, “Interactive History of Science on the Web,” which featured a sneak preview of the website that the trio are currently constructing at Caltech. For more information, contact Adrian Johns <ajohns@weber.ucsd.edu>, Kevin Knox <kck@hss.caltech.edu>, or Alison Winter <winter@hss.caltech.edu>. **Tim Lenoir** (Stanford) then demonstrated various “Media-Intensive Tools for Teaching and Re-

search in the History of Recent Science and Technology,” that are being developed at Stanford and elsewhere. Lenoir’s presentation was based on the following websites:

<http://sloan.stanford.edu/>

<http://rits.stanford.edu/siliconhistory>

- Two sessions emphasized the work of graduate students: **James Marcum** (Westmont College) on the discovery of heparin; **Otniel Dror** (Getty Institute) on the history of research into the physiological effects of emotions in laboratory animals and humans; **Kurt Beyer** on “Automated Medical Diagnostic Systems,” **Evan Widders** (UC Santa Barbara) on science under Charles III; **Alicia Maria Gamez** (Stanford) on Charles Wilson Peale’s artwork and achievements in natural history; and **Toby Jones** (Stanford) on travellers’ views of Palestine.
- Workshops: **Richard Hecht** (co-chairman of the UC Press Publications Board) on publishing; and **Aharon Gibor** (Professor Emeritus, UC Santa Barbara) on his life in biochemistry and molecular biology, scientists he has known, and the many breakthroughs he witnessed and/or made.
- A session on “Science, Spies, and War”: **Jean Maria Arrigo** (UC Irvine) on the language of science; **John Cloud** (UC Santa Barbara) on spy planes; and **Charles Bazerman** (UC Santa Barbara) on nuclear science.
- The prize for the best student paper was awarded to **John Cloud** (UC Santa Barbara) for his “The Oil Spill and the Spy Plane: An Episode in the Clandestine Origins of Earth Science.
- At the business meeting Prof. **Robert Frank** of UCLA was elected President for the coming year, and UC Davis was selected as the location of the Y2K meeting. **Joan Cadden** will be in charge of arrangements at Davis.

*From reports submitted by  
Benjamin C. Zulueta, and  
Janet Garber*

**The American Association of Geographers** held their annual Convention in Honolulu in March this year. I obtained the following information about Asia-Pacific papers from Tony Campbell of the MAPHIST discussion list. The papers were on the History of Cartography, and given by University of Hawaii Students and Graduates:

Wednesday, 24 March 1999: **Christopher Dahl** "The Cadastre as State Project, A Pacific Example"; **Rene Louis** "Authoritative Textualization of Hawaiian Place Names".

Thursday, 24 March 1999: **Curtis A. Manchester III** "Naturalising the Idea of a Nation: Cartographic Images of Manchoukuo".

Friday, 25 March 1999: **Drew Kapp** "The Cartoonography of Paradise: Pictorial Tourist Maps of Hawaii".

**The IX Pacific Congress on Marine Science and Technology**, entitled "PACON 2000: The Pacific Century" was held 5-9 June 1999 in Honolulu, Hawaii, to facilitate an exchange of views and ideas on marine science and technology between Pacific Island nations and the larger rim countries. Topics included: advances in marine instrumentation; coastal oceanography; meteorology; deep ocean ecology and engineering; marine geologic mapping; offshore structure technology; and sustainable development in the Pacific. The contact address for this conference was:

PACON International

PO Box 11568

Honolulu, HI 96828-0568

USA

Fax: (808) 944-4874

Email: [pacon@wiliki.eng.hawaii.edu](mailto:pacon@wiliki.eng.hawaii.edu)

## FUTURE CONFERENCES AND CALLS FOR PAPERS

7-10 July 1999. The 6th Biennial Conference of the **Australian Society of the History of Medicine** will be held at the University of Sydney. See *BPC2*, pp. 15-16.

7-11 July 1999. Biennial meeting of the **International Society for History, Philosophy and Social Studies of Biology (ISHPSSB)** in Oaxaca, Mexico. See *BPC2*, p. 17.

11-14 July 1999. The **Australian Association for the History, Philosophy and Social Studies of Science (AAHPSSS)** annual conference will be held at Sunshine Coast University College, Zippy Downs, Queensland. See *BPC2*, p. 17.

14-16 July 1999. The **Environment & Society Conference** will be held at the Sunshine Coast University College near Buderim on the Sunshine Coast of Queensland. See *BPC2*, p. 18.

14-17 July 1999. The 11th Biennial International Conference of the **Society for Philosophy and Technology** in conjunction with The **Society for Philosophy and Geography** meets in Silicon Valley/San Jose, California. The conference theme, "Technological Spaces," is meant to encourage both traditional and innovative investigations of the intersection of technology and space or place, variously conceived, including: high-tech regions (like Silicon Valley); the world wide web as social/cyber space; scientific laboratories as technological workplaces; agricultural technics; identity (gender, culture, etc.) and situated technologies; spatial metaphors in computing, etc. In keeping with the conference theme, SPT/99 is being co-sponsored by the Society for Philosophy and Geography. Special outreach is also being made to other science and technology studies organizations as well as potential colleagues in the Pacific Rim. For further information contact:

Deborah G. Johnson, School of Public Policy

Ivan Allen College, Georgia Institute of Technology

Atlanta, Georgia 30332-0345

Email: johnsd@spi.edu

There is also a conference website:

<http://www.spt.org/>

16-18 July 1999. The **Society for the Social History of Medicine** is holding its annual conference at the University of Glasgow, UK, on the subject of "Medical Professionals: Identities, Interest and Ideology". Various sessions contain Asia-Pacific papers:

- **Shang-Jen Li** (The Wellcome Institute for the History of Medicine) "The Professional Identity of British Medical Men in Nineteenth-century China:

The Controversy Between Patrick Manson and the Medical Missionaries”

- **Aya Takahashi** (Royal Holloway) “‘The Angel in the White Uniform’ and War: Nationalism and the Identity of the Japanese Nurse, c. 1880-1940”
- **Roberta Bivins** (WUHM, Manchester) “Projecting the Profession: Seeing Chinese Medicine through the Lens of the Ideal Doctor”
- **Yuean-ling Chao** (Middle Tennessee State University) “The Identity of Physicians in Late Imperial China: Professionals?”
- **Susan Hardy** (University of New South Wales) “‘Dr Pringle and Mr Pratt’: Disharmony and Disunity among the Doctors in Nineteenth-century New South Wales”

For further information contact James Bradley at:

Email: [jbradley@arts.gla.ac.uk](mailto:jbradley@arts.gla.ac.uk)

15-19 August 1999. “Alexander von Humboldt y la Ciencia Americana Bicentenario” is the title of a conference being organized by **La Sociedad Mexicana de Historia de la Ciencia y la Tecnología**. See *BPC2*, p. 19.

23-27 August 1999. The Faculty of Arts and Social Sciences, National University of Singapore, will host the 9<sup>th</sup> **International Conference on the History of Science in East Asia (ICHSEA)** in Singapore. See *BPC2*, pp. 19-20.

14-18 September 1999. “Neurosciences and Psychiatry: Crossing the Boundaries” is the theme of the first joint congress of the **European Association for the History of Psychiatry**, the **International Society for the History of the Neurosciences**, and the **European Club for the History of Neurology**. See *BPC2*, p. 20.

16-18 September 1999. “On Time: History, Science, Commemoration” at Liverpool, sponsored by the **British Society for the History of Science**, the **Royal Historical Society**, and the **National Museums & Galleries on Merseyside**. The conference will be held at the Merseyside Maritime Museum, Albert Dock, Liverpool. A complete programme and other information can be found at the conference website:

[http://www.man.ac.uk/Science\\_Engineering/CHSTM/bshs/time.htm](http://www.man.ac.uk/Science_Engineering/CHSTM/bshs/time.htm)

15-19 September 1999. The fourth **International History, Philosophy and Science Teaching Conference** and the eighth **European History and Physics Teaching Conference** are combining forces for VOLTA 99

(Bicentenary of the Invention of the Battery). This joint conference is titled "Science as a Culture" and is jointly organised by the Group around the "Science & Education" journal and the EPS History of Physics Group. The Conference, which follows earlier very successful ones, will take place in Pavia-Como, near Milan. The Conference is one of the events being organised by the University of Pavia, together with the Centro Volta (Como) and the Istituto Lombardo di Scienze e Lettere (Milano) to celebrate the bicentenary of the invention of battery (1799-1999) by Alessandro Volta.

For more information see the conference website:

<http://130.241.107.83/esera/Conf/volta99.html>

or contact the organizers at:

History of Physics Group

Dipartimento di Fisica «A. Volta»

Universita di Pavia

via A.Bassi 6, 27100 Pavia, Italy

Phone: tel. ++39-(0)382-507691

Fax: ++39-(0)382-507563

Email: [volta99@pv.infn.it](mailto:volta99@pv.infn.it)

18-21 September 1999. The **Australian Institute for Maritime Archaeology** is looking for speakers for its national conference. They prefer themes on the history of navigation between Australia and China and migration to Australia from China. They would like the speakers to support their themes with research on shipwrecks.

The conference will be held at the Australian National Maritime Museum, Darling Harbour, Sydney, and will be hosted by the NSW Heritage Office and the Australian National Maritime Museum with support from Environment Australia. More information and registration forms can be found at:

<http://www.heritage.nsw.gov.au/wnew/events.htm>

3-7 November 1999. **History of Science Society Semisesquicentennial Anniversary** and 1999 Annual Meeting, Pittsburgh, Pennsylvania. This promises to be a special event. The HSS thanks everyone who submitted paper and session proposals; the program chairs are now putting together the final program which will be available on the society's website:

<http://weber.u.washington.edu/~hssexec/annual/hss99.html>

9-23 January, 2000. "Technology and Cultural Values: On the Edge of the Third Millennium", the eighth **East-West Philosophers' Conference**, will be held at the University of Hawaii at Manoa. This conference is spon-

sored by the Department of Philosophy at the University of Hawaii in cooperation with the East-West Center. The past century has witnessed a veritable explosion in the growth of technologies, affecting every aspect of human experience. And none of the world's cultures has remained unchallenged as the half-life of these technologies grows shorter, and their capacity to penetrate and shape our lives compounds itself. The conference organizers are seeking papers or panels from philosophers that address the following or related themes:

- Biomedical Technologies and Cultural Values
- Technology and Human Rights
- Communication, the Media, and Cultural Values
- Technology, Education, and Changing Conceptions of Knowledge
- Technology and Religious Values
- Science, Technology, and Environment
- Technology and the Arts
- Technology and War
- Agriculture, Food-Technology, and Cultural Values
- Place, Home, Homeland under Economic and Technological Globalization

As in the past, the conference organizers will be preparing a volume with selected papers from the conference. They are hoping that this conference will be a historic event, and hope for enthusiastic participation. Please send your proposal as early as possible to assist the organizing committees in their work. Questions and proposals to:

Roger T. Ames, Co-Director  
East-West Philosophers' Conference  
Dept. of Philosophy  
University of Hawaii  
2530 Dole Street  
Honolulu, HI 96822-2383  
Tel: (808) 956-6685  
Fax: (808) 956-9228  
Email: farrell@hawaii.edu

19-21 February 2000. The twelfth annual **Symposium on the Maritime Archaeology and History of Hawaii and the Pacific** will be held at the Hawaii Maritime Center, Honolulu Harbor, Pier 7. Papers are especially solicited on the following topics (a proceedings will be published): Naval History; HMS *Endeavour*; Super Battleships; USS *Arizona*; USS *Missouri*; Interisland Steamships; Impacts of Harbor Privatization on Maritime Archaeology and History; HOGA; BOWFIN; UH Field School at

Waimanalo; Civil War in the Pacific; Polynesian-Micronesian Navigation; History of Navigation; Historic Preservation of Aviation Archaeology; Maritime Sites; Archaeology of Marine Procurement; Art and Photography in Maritime Archaeology; Maritime Archaeology & History Careers; Maritime Archaeology & History in Eco-tourism; Pacific Maritime Museums; Whaling; Maritime Biographies; Science and U/W Archaeology; Spanish Explorers and Traders; Global Warming and Maritime Archaeology and History; Sedimentation and Biofouling Effects on Shipwrecks; History of Midway; Impacts of Coral Reef Preservation; Programs on Maritime Archaeology & History. Abstracts are due by 15 November 1999 and must be sent to:

Marine Option Program

University of Hawaii at Manoa

2525 Correa Road, HIG 215A

Honolulu, Hawaii 96822 USA

Phone: (808) 956-8433

Fax: (808) 956-2417

Email: mop@hawaii.edu

Papers will be delivered Saturday and Sunday, 19-20 February 2000. Field trips will be Monday, 21 February 2000. More information can be found at the Marine Option Program website: [www2.hawaii.edu/mop/](http://www2.hawaii.edu/mop/)

16-19 March 2000. "Into the Next Millennium: The Past and Promise of Environmental History". The **American Society for Environmental History** invites proposals for its 2000 meeting in Tacoma, Washington. Paper and session proposals that examine any aspect of human interaction with the physical environment over time are welcome. The program committee especially encourages proposals that focus on the relationships between the practice of environmental history and environmental problems and solutions, and that suggest possibilities for future environmental histories. Proposals by contributors in related fields and scholars in foreign countries are welcome. The Program Committee strongly encourages the submission of entire panels that include all presenters, chair, and commentator. Though individual proposals will be considered, they will not be as easy to place on the program as complete ones. Contributors whose paper proposals are accepted can also serve as chair of another session.

Proposals should contain six copies of the following:

1. a cover sheet with the full name and affiliation of each panel participant and the title of the session and/or of each paper;
2. a 100-word maximum abstract describing the purpose of the session;

3. a 250-word maximum abstract of each paper; and
4. a two-page maximum c.v. for each participant that includes telephone numbers, mailing addresses, email addresses, and fax numbers. Please do not send additional materials or exceed word limits. Proposals should be postmarked no later than 15 July 1999. All six copies should be sent to:

Mart Stewart  
 Department of History  
 Western Washington University  
 Bellingham, WA 98225-9506 USA

10-12 April 2000. The **University of Sheffield** (Centre for Nineteenth-century Studies) and **University of Leeds** (Division of History and Philosophy of Science) announce "Science in the 19<sup>th</sup> Century Periodical," an interdisciplinary conference organised by the SciPer Project to be held at the University of Leeds. This conference will complement the collaborative "Science in the Nineteenth-century Periodical" project recently launched by these two universities. This will be the project's inaugural conference, and it will explore all aspects of the subject including:

- Public images of scientific and medical practitioners
- Representations of key scientific ideas
- Construction of scientific orthodoxies/heterodoxies
- Gender and science
- Interactions of literary, political and scientific discourses
- Science and the politics of the press
- Science and the periodical audience
- Scientific journalism
- Periodicals of science/empire and imperialism
- Science in the literary marketplace
- Science education
- Science as entertainment
- Scientific illustrations and caricatures
- Moral and religious representations of science

The conference organisers welcome proposals for individual papers or complete sessions of two or three papers. Approximately thirty minutes will be allowed for each paper. Selected papers from the conference will be published; a publisher has already expressed interest. Abstracts of 200 words were due by 1 June 1999 to:

Dr. J.R. Topham  
 School of Philosophy

University of Leeds

Leeds, UK, LS2 9JT

Tel: (0114) 222-8484

Fax: (0114) 222-8481

Email: j.r.topham@leeds.ac.uk

6-9 July 2000. The **History of Philosophy of Science Group (HOPOS)** announces the Third International History of Philosophy of Science Conference at Vienna. Contributions to the history of philosophy of science from all time periods and from all scholarly approaches are invited. Further details from:

Institute Vienna Circle

Museumstrasse s/2/17

A-1070 Wien, Austria

Email: [i\\_v\\_c@ping.at](mailto:i_v_c@ping.at) (write HOPOS 2000 in the subject line)

Website: <http://scistud.umkc.edu/hopos/index.html>

1-3 August 2000. A historical symposium, to take place in Helsinki, Finland, will celebrate the centenary of the founding in 1902 of the **International Council for the Exploration of the Sea (ICES)**, the world's oldest inter-governmental marine science organization. See BPC2, p. 21.

3-6 August 2000. The fourth **British-North American joint meeting of the BSHS, CSHPS, and HSS** will be held in St. Louis, Missouri, on the theme "What is to be done? History of Science in the New Millennium". Session and paper proposals are invited on the following topics:

- critical historiographical issues in the history of science
- master narratives in the history of science
- evaluating the relationship between the history of science and other disciplines such as sociology, literary studies, social history, cultural history, environmental history, natural science (the "science wars")
- important absences in the history of science: what's been missed; what can't be said?
- modes of investigation including museum and material culture studies, popular culture, history of printing and publishing
- re-examinations of chronological or historical fields
- the development of history of science as a discipline and a profession

Wherever possible, proposals should be made electronically on the forms available at the Executive Office of the History of Science Society's website:

<http://weber.u.washington.edu/~hssexec/>

Proposals must include abstracts of approximately 250 words for each pa-

per, and are due by 15 December 1999 with notification of acceptance by early February 2000. Further details may be obtained from the following:

Jon Agar, email: agar@fs4.ma.man.ac.uk

Bernie Lightman, email: lightman@yorku.ca

Paul Theerman, email: paul\_theerman@nlm.nih.gov

1-5 November 2000. The **History of Science Society** annual meeting for 2000 will take place in Vancouver.

7-11 November 2001. The **History of Science Society** annual meeting for 2001 will take place in Denver, Colorado.

## EXHIBITIONS

**Baron von Mueller's Melbourne—Remarkable 19th century Germans.** A very elegant exhibition (and virtual exhibition) has been curated by **Walter Struve** at the State Library of Victoria that uses a range of textual and graphic archival materials. Struve's introduction to the exhibition captures the theme nicely:

“When we think of Germans in 19th century Australia, we probably think first of their role in the opening of the vast sheep and wheat belts of South Australia, Queensland, New South Wales and Victoria, and the feats of intrepid individuals such as Ludwig Leichhardt. We tend to overlook the role of groups like Melbourne's small but distinguished band of Germans, whose achievements in the sciences, arts, crafts, commerce, even gymnastics, amounted to what has been described as “one of the high points of Australian colonial culture.”

The exhibition was supported through funds from the H & L Hecht Trust and gained much from the work of the Ferdinand von Mueller Correspondence Project based at Herbarium Library of the Royal Botanic Gardens, Melbourne, under the leadership of Professor **R.W. Home**.

The URL for the virtual exhibition is:

<http://www.slv.vic.gov.au/slv/exhibitions/vonmueller/>

*Many thanks to Gavan McCarthy for this information.*



## RECENT GRANTS

Pacific Circle members might be interested in the research topics of these recipients of Rockefeller Archive Center Grant-in-Aid awards:

- **Warwick Anderson**, Associate Professor and Director, Centre for the Study of Health and Society, Melbourne, Australia. "Development of Public Health in the Colonial Philippines."
- **Karin Matchett**, Ph.D. Candidate, Program in History of Science and Technology, University of Minnesota. "Scientific Agriculture on Both Sides of the Border: Mexican and U.S. Collaboration in the Twentieth Century."
- **Servando Ortoll**, Research Professor, Social Research Center, Universidad de Colima, Mexico. "The Rockefeller Foundation, Agricultural Research, and Curriculum Development in Three Agriculture Schools in Mexico."

## EMPLOYMENT AND GRANT OPPORTUNITIES

The most up-to-date source of job information in the field of history of science is found on the website of the History of Science Society:

[http://weber.u.washington.edu/~hssexec/hss\\_jobs.html](http://weber.u.washington.edu/~hssexec/hss_jobs.html)

The **Rockefeller Archive Center** announces a new five-year program of residencies for research at the Center on topics related to the history of basic medical research, a subject richly represented in the Center's archival collections. This new program will begin in July, 1999, and scholars conducting substantial research in any aspect of the history of medical research are encouraged to apply.

The history of basic medical research will be broadly defined to include most aspects of the history of the Rockefeller University (founded as the Rockefeller Institute for Medical Research in 1901), much of the history of the international medical, public health, and scientific research programs of the Rockefeller Foundation, and major elements of the histories of the Commonwealth Fund, Culpeper Foundation, Markey Trust, and Markle Foundation. Certain segments of the Rockefeller family archives also document the history of basic medical research, such as the founding and support of

research institutions. As a group, the archives of these institutions constitute one of the outstanding resources for the study of the history of basic medical research in the 20th century.

Prospective researchers may apply for residencies of one month, one semester, or an academic year. Stipends of US\$5,000 per month will be awarded to cover travel, food and lodging, and research expenses associated with the residency. Applications will be reviewed in a competitive process, and it is expected that a total of 2-6 awards will be made in each year of the program.

The deadline for applications for the year 2000 awards (to be announced in March 2000) is November 30, 1999.

Application for the residencies will be made by completing a brief form (see NOTE below) and by describing the research to be undertaken. Three letters of reference will be requested. Prospective applicants are urged to contact the Center prior to applying to determine the type and extent of records that will be useful for their research. Information about the Rockefeller Archive Center and its collections is available at

<http://www.rockefeller.edu/archive.ctr>

You can also write to the Center to ask for information:

Darwin H. Stapleton, Director  
Rockefeller Archive Center  
15 Dayton Avenue  
Sleepy Hollow, NY 10591  
Telephone: (914) 631-4505  
Fax: (914) 631-6017  
Email: [archive@rockvax.rockefeller.edu](mailto:archive@rockvax.rockefeller.edu)

\*NOTE: The general RAC research grant application cannot be used for this program. Please request a specific application for a residency in the History of Basic Medical Research.

The **Rockefeller Archive Center** also offers a Grant-in-Aid Program which is designed to promote and support research in the collections. The program makes awards of up to \$2,500 to researchers, including doctoral candidates, whose projects require substantial research at the Center. Scholars outside the U.S. and Canada may apply for awards up to \$3,000.

The application deadline for the research grant program is November 30 each year and awards are announced in March. More information and an application form can be found at:

<http://www.rockefeller.edu/archive.ctr/ac.giap.html>

or by emailing Camilla Harris at: [harrisc@rockvax.rockefeller.edu](mailto:harrisc@rockvax.rockefeller.edu)

**The American Association for the Advancement of Science** invites applications from advanced undergraduate or graduate students, particularly those interested in the history of science, to serve as interns in the Association's archives. The goal is to give interns access to a valuable research resource in exchange for helping to improve accessibility of the archives for future researchers. Interns would be expected to assist in discovering treasures, catalogue and index records, as well as pursue a research topic that includes the use of archival materials. While these internships would be unpaid, the Association hopes that arrangements might be made with the home institution for students to receive academic credit that counts toward their degree program. Students interested in applying for an internship should contact:

Amy Crumpton

Tel: (202) 326-6792

Email: [acrumpto@aaas.org](mailto:acrumpto@aaas.org)

**Society for the Social History of Medicine Prize Essay Competition**

**1999:** The Society invites submissions for its 1999 prize essay competition. This prize is awarded to the best original, unpublished essay in the social history of medicine as judged by the SSHM's assessment panel. The winner will be awarded 200 pounds sterling, and his or her entry may also be published in the journal *Social History of Medicine*. The competition is open to students and recently qualified postdoctoral scholars. The deadline for submissions is 31 December 1999. Further details and an entry form can be obtained from the membership secretary:

David Cantor

Dept. of History and Economic History

Manchester Metropolitan University

Geoffrey Manton Building

Rosamond Street West

Manchester M15 6LL, UK

Email: [d.cantor@mmu.ac.uk](mailto:d.cantor@mmu.ac.uk) or [dcantor@fs4.ma.man.ac.uk](mailto:dcantor@fs4.ma.man.ac.uk)

**The Marjorie Grene Prize** is awarded to the best manuscript based on a paper presented at one of the previous two ISHPSSB meetings by someone who was, at the time of presentation, a graduate student. The prize is intended to advance the careers of younger scholars and consists of a certificate and up to US\$200 towards expenses incurred in attending the following meeting of the Society and not reimbursed from another source. If the manuscript is not already under review by a journal, the prize committee

will promote the winning entry to one of the leading journals. The prize is not being awarded this year due to a lack of suitable applicants. The ISHPSSB announcement does not provide a contact address for more information about the prize, so it is best to contact their newsletter's editorial office:

Chris Young  
History, Science, & Culture  
Mount Angel Seminary  
St. Benedict, OR 97373 USA  
email: cyoung@mtangel.edu

## BOOK NEWS

**Laurie Carlson** would like to remind Pacific Circle members about the “**Bibliography of the History of Australian Science**” which he publishes every year in Historical Records of Australian Science. “Australia” has widened over the years to include the whole of the South Western Pacific area. The scope of the bibliography is limited to material on the history of the natural sciences (mathematics, physical sciences, earth sciences and biological sciences), some of the applied sciences (including medical and health sciences, agriculture, manufacturing and engineering), and human sciences (psychology, anthropology and sociology). Biographical material on practitioners in these sciences is also of interest. Information about suitable items can be sent to Laurie at Deakin University Library, Geelong, Victoria 3217 Australia, or faxed to 61-3-5243-2009.

The **Cumulative Bibliography for the History of Oceanography** is now up and running on the internet at:

<http://scilib.ucsd.edu/sio/indexes/cbho.html>

The compilers emphasize that this is a test, and that they are still in the process of checking and adding entries. Suggestions or comments about the site should be sent to **Deborah Day** by email:

[deborah\\_day@ucsdlibrary.ucsd.edu](mailto:deborah_day@ucsdlibrary.ucsd.edu)

A transcript of Baudin's original journal is being planned by **Jacqueline Bonnemains** at the Museum d'Histoire Naturelle at Le Havre, and she is seeking subscriptions for publication. No money need be sent at this stage, but names are required to persuade Imprimerie Nationale to go ahead with the project. The price proposed is 360 FF and it is due for publication in

October 2000. Those interested should contact:

Imprimerie Nationale Editions  
27 rue de la Convention  
75732 Paris  
CEDEX 15, France  
Fax: (00 33) 01-40-58-30-64

## BOOK REVIEWS

**Laurel Kendall, Barbara Mathé and Thomas Ross Miller, *Drawing Shadows to Stone: The Photography of the Jesup North Pacific Expedition 1897-1902*.** New York: American Museum of Natural History in association with University of Washington Press, 1997. Pp. 112. Illus. US\$22.50, softback. ISBN 0-295-97646-0.

“Drawing shadows to stone” is the way the Yukaghir people of north-eastern Siberia described photography. This book, produced to accompany an exhibition of the same name, explores the photographic production of the Jesup North Pacific Expedition, whose objectives were to explore the origins of American Indian peoples, and which took its name from its primary funder: railway magnate Morris K. Jesup, third president of the American Museum of Natural History.

The anthropological lead came from that formative figure of American anthropology, Franz Boas, who worked with Harlan Smith on the Northwest Coast. The Siberian work was entrusted to Jochelson and Bogoras, both of whom had developed extensive ethnological experience of the region whilst political prisoners in Siberia. Differences between U.S. and Russian government policy and organisation of science joined differences of climate, colonial experience, and infrastructure to create very different field research experiences for the two parts of the Expedition. Nevertheless the fieldwork might be characterised as the intense survey paradigm of the proto-modern period. Photographs (some 3,000 in all) were an integral part of a holistic collection made to represent “entire cultures through myths, tales, songs, glossaries, artifacts, bones [and] bodily measurements” within an anthropological salvage agenda.

While photography is the central theme, this volume functions equally well as an ethnography of the Expedition. The history of the Expedition, interestingly explored by Stanley Freed, Ruth Freed and Laila Williamson, is followed by an excellent analytical essay by Mathé and Miller addressing

the use of the Expedition's collection at the American Museum of Natural History as a cultural entity in its own right. Particularly interesting are the ways in which photographs were translated into an extended representational discourse in multiple formats such as models and dioramas.

The ethnography of the cultures of the northern Pacific coast weaves through that of the Expedition and its institutional discourse. While positioning the photographic output within the general critical debate on photography and anthropology, the authors succeed in a deeply historicised reading. As a case-study it greatly enhances understanding of the processual nature of the cross-cultural encounters and the business of collecting. For instance, despite the inherent imbalance in power relations, collecting emerges as a more complex process of negotiation rather than the wholesale appropriation so often assumed. Similarly, rather than employing an over-homogenised model of "colonial gaze", which might obscure as much as it reveals, it is clear that the photographs have to be read within shifting registers, spaces, and temporal experiences. Indigenous agency emerges strongly in both the photography and the collecting work of the Expedition. Many of the representations embrace elements of auto-ethnography. These range from small assertions such as Jack Tsacoola's (Bella Bella) subtle tying of his trade-cloth kerchief in the style of a ceremonial cedar bark ring to full-blown re-enactments for the camera: theatrical statements of culture. Such photographs contain spaces for alternative histories to emerge.

There are some wonderful moments of precise yet witty explication. A photograph of masked figures (expedition members?) aboard ship, labelled by Bogoras "Protection against mosquitoes", and a photograph of two Maritime Koryak wearing masks for a religious observance, are featured alongside Boas' assertion that without an understanding of the broader context, the form of an object alone does not reveal function and cultural relationships: point made. More lyrically, a poor and fogged photograph, looking almost like a double exposure, is positioned opposite Kracauer's evocation of a photograph being a person's history buried as if under snow. One feels that the authors have really *thought* about the photographs. These are active within the text of the volume, not merely objects under discussion; the book itself is positioned as part of the active social biography of the Jesup Expedition photographs.

The volume is beautifully produced. The reproduction of the wonderful photographs is excellent. The historicity of the object—the photographic plate and its prints—is clear. The plates, printed untrimmed right to the edge of the glass, are scratched, sometimes fogged, and with deteriorated

emulsions. Various numbers are scratched onto the emulsion. These are not merely pictures of things, but socially salient objects enmeshed in a web of meanings and the signs of their own production. I only wished *Drawing Shadows to Stone* had been longer.

Elizabeth Edwards  
Pitt Rivers Museum

**Patricia Aceves Pastrana, *Química, botánica y farmacia en la Nueva España a finales del siglo XVIII*.** Mexico: Universidad Autónoma Metropolitana, Unidad Xochimilco, 1993. Pp. 135. Tables, illus., bibl., index, notes.

During the last decades of the 18th century, scientific activity in New Spain received an important impulse. Patricia Aceves Pastrana shows this process, focusing on what she calls the botanical-pharmaceutical-chemical field. As she says in the preface, the results presented in her text are part of a more extensive research project about the historical development of chemical and biological sciences in Mexico.

The book is organized in seven chapters; preceded by an introduction in which the author explains the theoretical premises of her historical analysis. Prints of different chemical instruments of the time, generally from Lavoisier's *Treatise of Chemistry*, illustrate the work.

Aceves Pastrana depicts the process of scientific exchange between Mexico and other European countries, mainly Spain, from a non-Eurocentric view. She emphasizes the dynamic character of the reception and assimilation of knowledge, and of institutionalization and professionalization patterns of scientific activity. She highlights some peculiarities that helped to define a New Spanish Enlightenment, where the promotion of scientific activity was a consequence of two opposing forces. First, the Bourbon government takeover, intended to intensify the subjection of the New Spanish society to the central authority. Second, the activities of the local Creole authorities, who sought to consolidate a self-government that could later restore the independence of Mexico.

Aceves Pastrana explores this conflict of interests by looking at the establishment and development of the Royal Botanical Garden and its Botany Chair as an initiative of the central government. She discusses the role of this institution in the reform of the organization and control of the sanitary professions and the opposition of the pre-existing institutions that regulated academic and professional activities: the 'Tribunal del Protomedicato' and the University of Mexico.

Using local periodical publications, Aceves Pastrana illustrates the process of the “domiciliación” (adaptation to the local context) of knowledge through the controversy between José Antonio Alzate, a distinguished figure of the New Spanish Enlightenment, and Vicente Cervantes, Professor of Botany at the Mexico Botanical Garden. The dispute focused on the classification systems and nomenclatures proposed by Linnaeus, for living organisms and minerals, and by Lavoisier, for chemical compounds. She analyses the rhetoric and the scientific, ideological and political arguments used in the discussion.

The Royal Seminary of Mining, founded in 1792 to prepare working mines specialists, is an example of an opposite situation: a confluence of interests between the Spanish Crown and the local mining community, with no need for “domiciliación.”

This work is the result of several years of research and analysis of many archival documents and chemical and pharmaceutical texts. It is gratifying to see that this work has been carried out, as shown in the collection “Estudios de historia social de las ciencias químicas y biológicas” published by Aceves Pastrana in 1994.

Cristina Sendra Mocholi  
University of Valencia

**Glyndwr Williams, *The Great South Sea: English Voyages and Encounters, 1570-1750*.** New Haven & London: Yale University Press, 1997. Pp. xv, 300. Notes, bibliography, index, maps. U.S.\$37.50 / £24.95, hardback. ISBN 0 300 07244 9

Well known for his skillful piloting of readers to search for the Northwest Passage in the company of historian-mariners such as Middleton, Moor, and Cook, Professor Glyndwr Williams of the University of London has now laid a scholarly course for The Great South Sea, where for two centuries English privateers sought their fortune, while more often finding only frustration, discomfort, or disaster. Not content, however, with a mere retelling of the exploits of Drake, Cavendish, Dampier, Rogers, and Anson, Professor Williams weaves a far richer tapestry that also reveals the effects of their voyages upon the European imagination. Williams links his analysis of the popular, published accounts of South Sea voyages to the evolution of Pacific cartography and the fanciful literature and popular visions of oceanic romance and discovery.

In addition to the familiar story of Anglo-Spanish rivalry, whether in the quest to reap riches from the establishment of colonies or the plunder of

one's enemy, Williams traces the growth of an idea. From the era of Alvaro de Mendaña's fleeting discovery of the Islands of Solomon, Pedro de Quiros' landing in the New Hebrides, and the voyages of Abel Tasman, European mariners, chart makers, and entrepreneurial visionaries were increasingly obsessed by the notion of a great southern continent, Terra Australis Incognita, and its potential to yield wealth to the nation which discovered, mapped, and possessed it. Disparaging descriptions, such as William Dampier's, of the native cultures and modest resources to be found on the islands of the South Sea, and accounts of the hardships facing mariners who sailed there, did nothing to dampen this enthusiasm, which continued to grow in the popular press and in often grandiose plans for new voyages. English as well as continental publishers gratified the public taste for fresh editions and translations of mariners' accounts; cartographers embellished their maps with more-or-less speculative land masses and their coordinates; and stock jobbers and speculators inflated the value of the South Sea Company's stock until the "Bubble" burst in 1720. Even the ruin of investors occasioned by the South Sea Bubble proved but a temporary damper on this enthusiasm. Grub Street scribes, including, notably, Defoe and Swift, supplied imaginary voyages to supplement the public's steady diet of legitimate narratives. In later decades Anson's successful plunder of a Spanish treasure galleon inflated national pride, despite the terrible human cost of his celebrated voyage. Wallis' discovery of Tahiti in 1767 served to confirm the utopian visions of an earthly paradise, and Dalrymple proved a tireless champion of British exploration and trade in the Pacific.

In addition to an easy familiarity with the wide-ranging secondary literature, Williams draws upon a wealth of manuscript and published sources, from ships' logs to admiralty and cabinet correspondence, and the innumerable editions of voyages, both real and fanciful, to address the needs of scholarship with analytical detail, while providing the general reader with a satisfying narrative synthesis. Both strands are woven together in a handsome volume, further enhanced with well-chosen maps and other illustrations, as well as footnotes that are properly located at the bottom of the page. By closing this fine volume on the eve of the scientific age of Pacific voyaging, the era of Wallis and Carteret, Cook and Vancouver, Williams leaves his readers hopefully anticipating the appearance of a sequel.

Merrill Distad  
University of Alberta

## NEW AND RECENT SERIALS

The **South Pacific Peoples Foundation of Canada** would like to draw your attention to their organisation, and to the journal *Tok Blong Pasifik*. The SPPF is a small NGO based in Victoria, British Columbia, and was originally set up to facilitate connections between Pacific Islanders and Canadians. Over time, their work has developed and international audience and the SPPF has members in several countries. Historians of medicine, the environment and technological issues will be interested in the SPPF's mission statement and focus:

- Promoting increased understanding of social justice, environment, development and other issues of importance to the people of the Pacific Islands
- Supporting equitable, environmentally sustainable development and social justice in the Pacific region

The quarterly journal *Tok Blong Pasifik* challenges Islanders and an international readership to look beyond the status quo and simplistic "solutions" to Pacific problems. Articles expose cracks in prevailing development models and challenge the idyllic "Paradise" stereotype. Each issue contains Pacific news updates, arts, resources, reviews, travel information, and in-depth examination of a regional theme.

Annual subscription rates are as follows:

- Canada: student \$15; individual \$25; organisation \$40
- Pacific Islands: individual US\$10; organisation US\$15
- Other: student US\$15; individual US\$25; organisation US\$40

Please contact:

South Pacific People's Foundation

1921 Fernwood Road

Victoria, B.C., Canada V8T 2Y6

Phone: (250) 381-4131

Fax: (250) 388-5258

Email: [sppf@sppf.org](mailto:sppf@sppf.org)

Website: <http://www.wppf.org>



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**PACIFIC BIBLIOGRAPHY****Recent Books**

*The Academic Kitchen: A Social History of Gender Stratification at the University of California, Berkeley* (SUNY Series, Frontiers in Education), by **Maresi Nerad** (Albany, NY: SUNY Press, 1999).

*After Moruroa: France in the South Pacific*, by **Nic Maclellan** and **Jean Chesneaux** (Melbourne: Ocean Press, 1998).

*Alexandre de Humboldt: Historien et Géographe de l'Amérique espagnole, 1799-1804*, Nouvelle édition, entièrement révisée et refondue (Recherches et documents: Amérique latines) by **Charles Minguet** (Paris: L'Harmattan, 1997).

*Archives of Contemporary Science*, edited by **Roderick W. Home**, **Peter Harper**, and **Odile Welfelé**, Proceedings of the Symposium Organised by the Commission on Bibliography and Documentation, Liège, 20-26 July 1997 (Liège: International Union of History and Philosophy of Science, Division of History of Science, Works in Progress 2, 1998).

*Below the Convergence: Voyages towards Antarctica, 1699-1839*, by **A. Gurney** (London: Norton, 1997).

*Bibliography of Books and Articles Documenting the History of Scripps Institution of Oceanography*, by **Deborah Day** (La Jolla, CA: Scripps Institution of Oceanography, UCSD, 1987). [Also available on the SIO Archives web page at: <http://scilib.ucsd.edu/sio/archives>]

*Bringing Back the Past: Historical Perspectives on Canadian Archaeology* (Mercury Series, Archaeological Survey of Canada, 158), edited by **Pamela Jane Smith** and **Donald Mitchell** (Hull, Quebec: Canadian Museum of Civilization, 1998).

*The California Cauldron: Immigration and the Fortunes of Local Communities*, by **William A.V. Clark** (New York: Guilford University Press, 1998).

*The California Academy of Sciences: A Narrative History, 1853-1906*, by **Theodore Henry Hittell**, edited, revised, and enlarged by **Alan E. Leviton** and **Michele L. Aldrich**, preface by **George E. Lindsay** (San Francisco: California Academy of Sciences, 1997).

*De California a El Petén: El Naturalista Riojano José Longinos Martínez en Nueva España*, by **J. Luis Maldonado Polo** (Gobierno de La Rioja: Instituto de Estudios Riojanos, 1997).

*Cambridge and the Torres Strait: Centenary Essays on the 1898 Anthropological Expedition*, edited by **Anita Herle** and **Sandra Rouse** (Cambridge, UK/New York: Cambridge University Press, 1998).

*Cartography in the Traditional African, American, Arctic, Australian, and Pacific Societies* (The History of Cartography, vol. 2, book 3) by **David Woodward** and **G. Malcolm Lewis** (Chicago: University of Chicago Press, 1998).

*Destined for Glory: Dive Bombing, Midway, and the Evolution of Carrier Airpower*, by **Thomas Wildenberg** (Annapolis, MD: Naval Institute Press, 1998).

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