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PACIFIC CIRCLE NEWS

FORTHCOMING MEETINGS. Plans are proceeding apace for a Pacific Circle symposium at the XXth **International Congress of History of Science** at the University of Liège, Belgium, 20-26 July 1997. At least two sessions will be held:

Museums of the Indo-Pacific, chaired by FRITZ REHBOCK, with papers by RAINER BUSCHMANN, DAVID G. FRODIN, and ROY MACLEOD; and

Exploration and Natural History of the North Pacific, chaired by ROY MACLEOD, with papers by KEITH R. BENSON, R.D.K. HERMAN, and W. CONNER SORENSEN. Additional papers are still sought for both sessions—interested participants should contact either Fritz Rehbock (frehbock@hawaii.edu) or Roy MacLeod (roy.macleod@history.su.edu.au).

We hope to mount a third session as well, on *Environment and Empire*. Potential speakers should immediately contact session chair RICHARD GROVE (grove@coombs.anu.edu.au). Following the papers, the Circle will conduct its business meeting.



It is hoped that a Pacific Circle session can be assembled for the November 1997 meeting of the **History of Science Society** in La Jolla, California. Members wishing to propose a theme or present a paper should contact Fritz Rehbock or Roy MacLeod at their earliest convenience.



As this issue went to press, a Pacific Circle co-sponsored session entitled "Science in the Pacific: From Voyages of Discovery to New Dimensions," took place at the **Third British-North American Joint Meeting** of the Canadian, American and British history of science societies, in Edinburgh, Scotland, 23-26 July 1996. The session, chaired by Roy MacLeod, included the following speakers:

PETER HOFFENBERG (University of Hawaii), "We Are Like Dwellers in the Desert': 19th-century Exhibitions and the Invention of Australian Science"

GORDON MCOUAT (University of King's College, Halifax), "Dynamic' Boundaries in the Pacific: The Strange Case of Bunzo Hayata's 'Dynamic System'"

ROY MACLEOD (University of Sydney), "Post-colonialism and Museum Knowledge: 'Hybrids' and National Identities in the Museums of the South Pacific."



MINNEAPOLIS SESSION. The Pacific Circle co-sponsored a session entitled "The Naturalist: At Work in the Field," at last year's annual meeting of the **History of Science Society**, 27 October 1995, in Minneapolis. The session opened with ANNE LARSON's (independent scholar) paper, "Does a Bird in the Hand Equal a Bird in the Book? Actual and

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Virtual Specimens in Early English Zoology, 1800-1840,” analyzing the complexities of converting a dead specimen into a “living” illustration, and accompanied by impressive slides of 19th-century bird and insect preservation.

SANDRA HERBERT (University of Maryland, Baltimore County) followed with “Charles Darwin: Writing Up in the Field,” which treated Darwin himself as virtual specimen, with special attention to his South American experiences. JANE CAMERINI (independent scholar) then spoke on “Trouble in Paradise,” emphasizing the need to give Wallace equal time alongside Darwin, and suggesting that while naturalists may collect insects, some insects also collect naturalists. Finally, BETSY HANSON’s (University of Pennsylvania) paper, “Popular Science in the Field: Collecting Animals for the National Zoo, 1937-1940,” observed the long arm of the popular media beginning to intrude into natural history collecting. HENRIKA KUKLICK (University of Pennsylvania) gave a closing commentary, noting the heterogeneity of personnel and purposes discussed, and its influence in the creation of specimen collections and published descriptions. Fritz Rehbock chaired the session.

The session was organized by SANDRA HERBERT to focus attention on the conceptual and logistic complexities of field collecting. Beyond the usual activities of collecting, note-taking, preserving, classifying, and transporting, the papers examined the less visible naturalist behaviors of thinking and expressing, distilling and abstracting, negotiating and networking, and popularizing and marginalizing. Speakers and audience (approximately 35) agreed that the session was highly successful and that the papers were of uniformly excellent quality. Equally successful was the session “banquet” at a nearby Thai eatery.

Although not organized by the Pacific Circle, the session “Beyond Western Science,” chaired by NANCY SLACK (Russel Sage College) was a welcome novelty at last year’s HSS meeting, and will interest some readers. The speakers and their papers:

FA-TI FAN (University of Wisconsin), “Botany in Ch’ing China”;

FLORENCE HSIA (University of Chicago), “Antoine Baubil (1689-1759), Historian of Chinese Astronomy”;



Participants at Minneapolis (left to right): Betsy Hanson, Anne Larson, Sandra Herbert; not available at photo time: Jane Camerini, Riki Kuklick.

MATTHEW ROBERT GOODRUM (Indiana University), “Confronting the Knowledge of the Other: Early Interpretations of the Mayan Calendar and the Question of Mayan Astronomy”;

ABHA SUR (Harvard University), “Saha and the Development of Modern Indian Science.”

ACTIVITIES OF OFFICERS. Pacific Circle President DAVID STODDART continues to hold forth from the University of California, Berkeley, when he is not leading undergraduates across the atolls of Polynesia, sleuthing in the odd archive, or alighting on one of the few islands left on the planet that he has not already explored. Despite a fall in his own home library last year that reduced him to wheelchairs and crutches, David nevertheless attended the Pacific Science Congress in Beijing and scaled the Great Wall. Later in the year, on the island of Moorea, he was attacked in the night by a feeding frenzy of rats (not the Polynesian species but European, like himself) who took an overly friendly interest in his feet. This sounds much more exciting than newsletter editing, but David urges others to avoid this form of exorcism. His letters truly must be read to be believed.

Vice-President ROY MACLEOD (University of Sydney) began the current calendar year at the Edelstein Center for the History of Science in Tel Aviv (an uncharted Pacific island?), just as Arab-Israeli tensions were on the rise. He retreated to spend the northern spring months at the Chemical Heritage Foundation in Philadelphia. During the summer Roy was in Washington, D.C. prior to

chairing our session at the conference in Edinburgh. He will return to Australia for a conference in Cairns, then the autumn will find him at the Swedish Collegium for the Advanced Study in the Social Sciences in Uppsala.

Editor-treasurer FRITZ REHBOCK, not wishing to add further coin to the coffers of the international airlines, has led a more domesticated life in Honolulu. Besides, there was the matter of editing those 70 papers from the 5th International Congress on the History of Oceanography (they WILL reach print). Because he was seen frequenting his office too often, Fritz's department demanded that he assume the duties of Associate Chair and Chair of the Graduate Program, thus insuring an even more sedentary existence (and unfortunately guaranteeing further delays in the *Newsletter* production schedule). He does hope to escape on sabbatical in 1997, and meanwhile thanks subscribers for their quiet patience.

The editorial office welcomes reports of activities from all our members—by e-mail, snail mail, fax, phone, or personal delivery—and will be delighted to disseminate all that's fit to print.

ANNUAL REPORT. The Pacific Circle's annual report for 1995 has been completed. Copies are available from the editor-treasurer.

CONGRESSES, CONFERENCES AND CALLS FOR PAPERS

5-7 July 1996. The Second Conference on Pacific Rim History, sponsored by La Trobe University, is being held at the university in Melbourne, Australia. It is a common misconception in the West that there was an abrupt Pacific expansion after World War II. Historical data, however, show that the growth of the relationships of the Pacific with the rest of the world has been a slow process which took place over many centuries. The purpose of this conference is to encourage academics of all disciplines to gain a better understanding of the evolution of Pacific Rim relationships as a long-term international exchange.

Proposals, which were due by 15 November 1995, were open to participants from all relevant disciplines, including those in agriculture, anthropology, communication, demography, ecology, economics, ethnic studies, geography, geology, health, history, law, linguistics, literature, oceanography and other fields.

(Note: La Trobe University is also hosting an Asian Studies Conference of the Australasian Society, 8-10 July 1996.)

For PRH 96 inquiries, contact either of the Program Committee Chairs:

Dr. Lionel Frost
School of Economics
Faculty of Social Sciences
La Trobe University
Bundoora, Victoria 3083 Australia
Phone: 61 3 479 2719
Fax: 61 3 471 0592
E-mail: lfrost@ecstaff1.com.latrobe.edu.au

or:

Professor Dennis O. Flynn
Department of Economics
University of the Pacific
Stockton, CA 95211 USA
Phone: (209) 946-2913
Fax: (209) 464-5950
E-mail: doflyn@frodi.cs.uop.edu

7 July-2 August 1996. "Scientific, Ethical, and Social Challenges of Contemporary Genetic Technology," is the topic of this year's NEH and NSF Summer Institute, being held at the University of Puget Sound. Teaching Faculty includes GARLAND E. ALLEN, Department of Biology (Washington University); WYLIE BURKE, Women's Health Care Center Director (University of Washington Medical Center); CARL F. CRANOR, Department of Philosophy (University of California at Riverside); and LESLIE GREGG-JOLLY, Department of Biology (Grinnell College).

Deadline for registration was 1 March 1996.

Application was open to full-time faculty at 2 & 4 year American colleges and Universities. A maximum of 25 were to be accepted with priority given to teams of two or more people, consisting of scientists *and* non-scientists, from the same institution. Selected participants will receive a \$1,000 stipend and an allowance for room, board, and travel. For inquiries, contact either the director:

David Magnus
Phibbs Professor of Ethics and Science
University of Puget Sound
Tacoma, WA 98416 USA
Phone: (206) 756-3508
Fax: (206) 756-3500
E-mail: dmagnus@ups.edu

or the assistant director:

Alva Butcher
School of Business
University of Puget Sound
Tacoma, WA 98416 USA
Phone: (206) 756-3349
Fax: (206) 756-3500
E-mail: butcher@ups.edu

16-17 July 1996. "France, Australia, and Pacific Nuclear Testing in Context," is the theme of a conference to be held at Newman College, Melbourne University, Australia. The "historical and regional contexts for French nuclear testing" will be addressed by international speakers diverse in backgrounds and interests. Inquiries, contact the conference conveners at:

Michael Provis

Phone: 61 52 27 2964

E-mail: mpro@deakin.edu.au

Stephen Alomes

Phone: 61 3 9372 1531

19-21 July 1996. "Medicine and the Colonies" is the theme of a meeting at the University of Oxford sponsored by the **Society for the Social History of Medicine**. Inquiries:

Harriet Deacon

Queen's College

University of Oxford

Oxford OX1 4AW UK

E-mail: harriet.deacon@queens.ox.ac.uk

23-26 July 1996. Following two highly successful meetings in Manchester (1988) and Toronto (1992), the Third Joint Meeting of the **BSHS, HSS and CSHPS** will take place in Edinburgh, Scotland. The dates coordinate with the international meeting of SHOT (London, 1-4 August). Major themes include: books, instruments and models as possible mediators across boundaries; construction of disciplinary and professional boundaries; national identities and style; international and disciplinary science; gender; discursive and linguistic boundaries; geographical and political colonization; the natural and the social and their coproduction; and sciences of the human subject. Case studies range from the 10th to the late 20th century; from mathematics and physics to land economy and psychology; from the Arctic and Asia to America and Europe. Provisional registration was due by 1 January 1996 to:

BSHS

Executive Secretary

31 High Street

Stanford in the Vale

Faringdon, Oxon SN7 8LH UK

Phone & Fax: (44) (0) 1367 718963

26-31 August 1996. The Eighth International Congress on the History of Science in East Asia will be held at Seoul National University, Seoul, Korea. This is the official triennial meeting of the **International Society for the History of East Asian Science, Technology and Medicine**. Three plenary lectures will be delivered: "Current State of Scholarship in China on History of East

Asian Science," by ZEZONG XI; "Spread of Chinese Science to the East Asian World," by SHIGERU NAKAYAMA; and "Pride and Prejudice in Historiography: The East Asian Cases," by SEONG-RAE PARK. A memorial session for Joseph Needham will be held. Contributed papers are solicited in all areas of History of Science, Technology and Medicine in East Asia. Abstracts were due by 29 March 1996. Inquiries:

Professor Yung-Sik Kim

Conference Office

Program in History & Philosophy of Science

College of Natural Science

Seoul National University

Seoul 151-742 Korea

Phone: 02-880-6637

Fax: 02-873-0418

2-4 September 1996. "Science, The Refreshing River" is the title of an International Conference on the History of Science and Civilizations, at the Nehru Memorial Museum and Library, New Delhi. Marking the passing of Joseph Needham, the organizers hope that the conference will examine where the history of science has gone since Needham initiated a set of readings of the non-West and the contribution of the non-West to the Scientific Revolution. The four principal themes will be: *Methodology and Social-Epistemology of the Sciences*; *The Grand Titration*; *the Non-West Reconceived*; and *The Past in the Present*. Inquiries:

S. Irfan Habib, Druv Raina, V.V. Krishna

NISTADS, Dr. K.S. Krishnan Marg

New Delhi 110012 India

Fax: 91-11-575-4640

or

D. Raghunandan, Amit Sen Gupta

Delhi Science Forum, B-1, 2nd Floor, LSC

J. Block, Saket

New Delhi 110017 India

Fax: 91-11-686-2716

4-6 September 1996. The Colloquium on "Enlightenment, Religion and Science in the Long Eighteenth Century" will be held at the Research School of Social Sciences, ANU, Canberra. The convener will be Professor IAIN MCCALMAN, Humanities Research Centre. Inquiries:

Conference Administrator

Humanities Research Centre

Australian National University

Canberra, ACT 0200 Australia

Phone: 61 6 249 2700

Fax: 61 6 248 0054

E-mail: administration.hrc@anu.edu.au

8-23 September 1996. The Seventh Pacific Festival of Arts will be held in Apia, Western Samoa. Between September 16th and 20th, a series of seminar, workshop and symposium presentations will be featured. Among the many session themes are: Preservation of the Natural Environment of the Pacific; Traditional Navigation and Technology; Traditional Healing in the Pacific; and Traditionalism and Modernity in the Pacific. Inquiries:

Office of the Director
Seventh Pacific Festival of Arts
P.O. Private Bag
Apia, Western Samoa
Phone: (685) 20434
Fax: (685) 25763

19-20 September 1996. "Ecology and Empire: The Environmental History of Settler Societies," is the topic of a major international conference that aims to set the Australian environmental experience in a global and comparative context by looking at the expansion of Europe and the historical experience of other settler societies. In recent years, scholars have begun to explore the biological dimensions of European imperialism, and to reveal the extent to which ecology and empire were partners. The conference will focus these new perspectives and will draw particularly on the historical experiences of Africa, Australia, North and Latin America and the Pacific.

The conference is sponsored by the Sir Robert Menzies Centre for Australian Studies. For inquiries, and to be added to the conference mailing list for future bulletins, contact the organizers of the conference, Dr. Tom Griffiths and Dr. Libby Robin, at:

Robert Menzies Centre for Australian Studies
Institute of Commonwealth Studies
University of London
28 Russell Square
London WC1B 5DS UK
Phone: +44 (0)171 580 5876
Fax: +44 (0)171 580 9627
E-mail: t.griffiths@sas.ac.uk
l.robin@sas.ac.uk

29 September-5 October 1996. The Royal Botanic Gardens, Melbourne will hold its 1996 Commemorative Conference at the University of Melbourne, Australia. Honoring the 150th anniversary of the founding of the Gardens and the 100th anniversary of the death of "Australia's greatest nineteenth century scientist," Baron Ferdinand von Mueller, this two-part conference will address the diversity and impact of nineteenth century science in "The Scientific Savant in Nineteenth Century Australia: A Celebration of the Life, Times and Legacy

of Ferdinand von Mueller" (30 September-1 October); and will consider the future of systematic research in "Australia Beyond the Floras" (3-5 October).

This conference will be The University of Melbourne Conference and the Australian Systematic Botany Conference for 1996. During the same week, affiliated conferences will also be held: "Proteaceae" (30 September-2 October) and "Mycology" (2 October). On the registration form, applicants are given the option to attend all or some of the four conferences, but are warned that some of the event times will overlap. Deadline for submitting abstracts for all four conferences was 31 June 1996.

For inquiries on "The Savant" or "Beyond," contact Ms. Helen Cohn and Dr. Tim Entwisle, respectively, at:

Royal Botanic Gardens
Birdwood Avenue
South Yarra, Victoria 3141 Australia
Phone: 61 3 9252 2300
Fax: 61 3 9252 2350

Dr. Entwisle also has e-mail:

E-mail: entwisle@botany.unimelb.edu.au

30 September-2 October 1996. "Culture and Citizenship," is the theme of the Inaugural Conference of the Australian Key Centre for Cultural and Media Policy, Brisbane, Australia. In an attempt to make a significant contribution to debates on the place of citizenship in national and international cultural and media policy, the conference will address the following questions: "What is the relationship between citizenship, culture and government?" and "What role should media, arts and culture play in shaping citizenship?" It is hoped that papers and plenaries will generate dialogue between academics and policy professionals, exploring points of translation between civic aspirations and policy programs.

Deadline for abstracts was 30 April 1996. Inquiries:

The Manager
Australian Key Centre for
Cultural and Media Policy
Faculty of Humanities
Griffith University
Nathan 4111 Australia
Phone: 61 7 3875 5350
Fax: 61 7 3875 5511
E-mail: b.jepesen@hum.gu.edu.au

7-11 October 1996. A symposium on the "Introduction of Modern Science and Technology to Turkey and Japan" will be held in Istanbul through the cooperative efforts of The Research Centre for Islamic History, Art and Culture, the International Research Centre for

Japanese Studies, and the **Turkish Society for History of Science**. Sessions will be devoted to technology, industry, transport and communication, scientific literature, standardization, science and educational institutions. The period covered will be the 18th and 19th centuries. Inquiries:

Turkish Society for History of Science
P.K. 234,80692
Besiktas, Istanbul
Turkey
Phone: (90) (212) 260-0717
Fax: (90) (212) 258-4365

31 October-2 November 1996. "Ethnicity, Nationalism, and Empires" is the theme of the upcoming conference of the **Rocky Mountain World History Association**, which will be held in Salt Lake City, Utah at the University of Utah. Paper proposals on the theme (or on world and/or comparative history) are invited. Deadline for submissions is 9 August 1996. Direct proposals and inquiries to:

Professor Edward J. Davies
Department of History
University of Utah
Salt Lake City, UT 84112 USA
Fax: (801) 585-3510
E-mail: edtraveler@eworld.com
or: amand.yang@m.cc.utah.edu

11-13 November 1996. The Fourth International Conference on the Public Communication of Science and Technology (SCICOMM96), will be held in the Copland Theatre Complex at the University of Melbourne, and will be hosted by the University of Melbourne and CSIRO Australia. Inquiries:

SCICOMM96
P.O. Box 4071
University of Melbourne
Parkville, Victoria 3052 Australia
E-mail: asn@surf.metro.net.au
scicomm96@scicomm96.unimelb.edu.au

or the conference chair:

Dr. Geoffrey Taylor
Department of Physics
University of Melbourne
Parkville, Victoria 3052 Australia
Phone: 61 3 9344 5456
Fax: 61 3 9344 4783
E-mail: taylor@rchip.ph.unimelb.edu.au

The conference also has a Web page which includes, along with conference details, information on PCST-L, an electronic mailing list devoted to public communication of science and technology. The URL is:

<http://scicomm96.unimelb.edu.au/scicomm96/>

23 November 1996. A one-day conference on "The Life and Oceanographic Times of James Young Buchanan, 1844-1925," who was the chemist of the voyage of H.M.S. *Challenger*, will be hosted by the **Challenger Society** at the Southampton Oceanography Centre. Inquiries:

Margaret Deacon
Department of Oceanography
University of Southampton
Southampton Waterfront Campus
European Way
Southampton, SO14 3ZH UK

13-15 December 1996. The **European Society for Oceanists** will hold a conference at the Danish National Museum & Institute on Anthropology, University of Copenhagen, Denmark.

For inquiries on the ESO, its membership, or the conference, contact:

Ulla Hasager
Ethnic Studies
University of Hawaii
4 East-West Road, Room 4D
Honolulu, HI 96822 USA
Phone: (808) 842-0240
Fax: (808) 956-9494
E-mail: ulla@hawaii.edu

14-16 March 1997. The **American Philosophical Society Library** will sponsor a conference on "Surveying the Record: North American Scientific Exploration to 1900." The APS, which played an important role in mounting the Lewis and Clark Expedition of 1803-06 and other federal efforts, continues that tradition by making its extensive manuscript, printed, and graphic collections available for study in its Library, publishing modern monographs and articles in the field of exploration history and Native American linguistics and ethnohistory, and serving as a co-sponsor of the modern edition of *The Journals of the Lewis and Clark Expedition*. The Society also awards grants for research in such topics.

The two basic purposes of this meeting are to examine and hopefully illuminate new historical approaches to scientific expeditions and surveys; and to stimulate discussion and intellectual interchange between the new generation and the older generations of scholars. To accomplish these goals, historians, art historians, historical geographers, anthropologists, archaeologists, historical botanists and others are invited to participate in a format featuring formal 25-30 minute papers, sessions comprised of 10-minute work in progress reports, and roundtable discussions on critical issues related to the conference's overarching theme. The schedule will allow

time for audience participation and informal discussion.

While the main focus will be on the continental U.S., topics on Canadian, Mexican, Polar, and oceanic scientific expeditions are also welcome. The APS proposes to investigate broad topics representing both new directions of inquiry and those more traditional ones that should be revisited. They have a potential list of topics, but it need not be considered exclusionary.

Deadline for submissions is 1 October 1996. Please provide name, address, telephone, fax, and e-mail address, type and working title of presentation, presentation abstract (not exceeding two double-spaced pages), and a brief CV or resume. Proposals or inquiries:

North American Exploration Conference
American Philosophical Society Library
105 South Fifth Street
Philadelphia, PA 19106-3386 USA

Fax: (215) 440-8579

E-mail: ecarter@mail.sas.upenn.edu

(E-mail for information only—no formal participant proposals please.)

20-22 March 1997. "Science, Technology, & the 21st Century: New Eden or Armageddon?" is the theme of the Festival III Academic Conference at Cameron University, Lawton, Oklahoma. The focus of this conference will be the impact of science and technology on life in the 21st century. Keynote speakers will include: **RICHARD DAWKINS**, Chair in the Public Understanding of Science (Oxford University); **RUTH HUBBARD**, Professor Emerita (Harvard University); **LEON LEDERMAN**, Prizker Professor of Science (Illinois Institute of Technology); **THOMAS MURRAY**, Director of the Center for Biomedical Ethics (Case Western Reserve University); **CLIFFORD STOLL**, (Harvard-Smithsonian Center for Astrophysics); and **ROBERT A. WRIGHT**, Senior Editor, *The New Republic*.

Student and faculty proposals from presenters in all disciplines are welcome. Some suggested proposal topics: Technology & the Arts; Politics & the Internet; Scientific Literacy & Schools; Science, Technology & Biodiversity; Culture/Racial discourse; Ethics & Environment; Genetics/Medicine/Access/New Reproductive Technologies; Computers & Pedagogy; Geographic Information Systems; Reading the New Maps. Send a cover letter and abstract/proposal (250 words or less) by 15 October 1996 to:

Dr. Karen McKellips
Department of Education
Cameron University
2800 W. Gore Boulevard
Lawton, OK 73505 USA

Phone: (405) 581-2861

Fax: (405) 581-2553

E-mail: karenm@cameron.edu

27-29 April 1997. The Society for the History of Natural History will hold its 11th international conference (its first outside the UK) at the University of Virginia in Charlottesville. Taking a cue from a nearby natural landmark, the theme will be "The Natural Bridge: The Transatlantic Exchange." Featured are such topics as: the impact of new North American flora and fauna on Europe; interactions between 18th- and 19th-century American scientists and their European counterparts; early North American museums and scientific societies and their relationships with similar European organizations; the education of American scientists at European universities; trans-Atlantic sales of natural history collections, etc. Inquiries and registration forms:

Kathryn Morgan

Special Collections Department

Alderman Library

University of Virginia

Charlottesville, VA 22903-2498 USA

Phone: (804) 924-3025

Fax: (804) 924-3143

E-mail: knm2m@virginia.edu

2-4 May 1997. The Centre of Canadian Studies at the University of Edinburgh will host an international conference to mark the centenary of the Klondike Gold Rush. Proposals for papers are invited from all disciplinary backgrounds on the theme of the Klondike Gold Rush. Presentations on topics which relate broadly to the theme are also strongly encouraged, for instance, the Canadian North in literature and history; aboriginal peoples in the North; the challenges of "boom and bust" economies; comparative studies of other Gold Rushes, etc. Proposals, in English or French, should be submitted by 4 November 1996 (on a single sheet of paper, accompanied by a one-page curriculum vitae) to:

Dr. Colin Coates

KLONDIKE

Centre of Canadian Studies

21 George Square

Edinburgh, Scotland EH8 9LD UK

Phone: 131-650-8428

Fax: 131-662-1118

E-mail: ccoates@ed.ac.uk

16-20 July 1997. The International Society for the History, Philosophy and Social Studies of Biology will hold its biennial meeting at the University of Washington, Seattle. ISHPSSB president, **PETER TAYLOR**, has promised a number of interesting plenary

sessions; details to appear in PCN17. KEITH BENSON will be the local arrangements chairman. For program inquiries, contact the Program Committee Chair:

Bob Richardson

E-mail: robert.richardson@uc.edu

9-12 August 1999. The University of Plymouth will host a conference entitled "ECLIPSE 99: The Navigational Stimulus to the History of Science." This date coincides with the next total eclipse of the sun to be visible from England. Inquiries and offers of papers:

P.A.H. Seymour

Institute of Marine Studies

University of Plymouth

Drake Circus

Plymouth, Devon PL4 8AA UK

RECENT MEETINGS

The 8th Annual Symposium on Maritime Archaeology and History of Hawaii and the Pacific took place at the Hawaii Maritime Center, Honolulu, 17-19 February 1996. Inquiries:

Marine Option Program

University of Hawaii

1000 Pope Rd., #229

Honolulu, HI 96822

Phone: (808) 956-8433

Fax: (808) 956-2417

E-mail: sherwood@hawaii.edu

The West Coast History of Science Society held its meeting at the University of California, Santa Barbara on 16-17 March 1996. Inquiries:

Paula Findlen

Department of History

University of California

Davis, CA 95616 USA

E-mail: pefindlen@ucdavis.edu

"Historical Perspectives on Planetary Physics," was the theme of the first annual Puget Sound Colloquium, which met at the University of Washington, Seattle on 3-4 May 1996. Inquiries:

Woody Sullivan

Astronomy Department

University of Washington

Seattle, WA 98195 USA

Phone: (206) 543-7773

Fax: (206) 685-0404

E-mail: woody@astro.washington.edu

or:

Mott Greene

Honors Program

University of Puget Sound
Tacoma, WA 98416 USA

Phone: (206) 756-3782

Fax: (206) 576-3500

E-mail: greene@ups.edu

"Science and Technology in World History," was the theme of the 5th Annual World History Association conference, which was held at California Polytechnic, Pomona on 21-23 June 1996. It aimed at the discussion and evaluation of the role and nature of technology and its social, political, economic, and ethical impact on the world from antiquity to the present. One of three plenary speakers was DANIEL HEADRICK (Roosevelt University) who spoke on "Western Botany and the Transformation of the Tropics during the New Imperialism." Inquiries:

David R. Smith, Program Chair

History Department

California Polytechnic University

3801 W. Temple Avenue

Pomona, CA 91768 USA

Phone: (909) 869-3874

Fax: (909) 869-4724

E-mail: drsmith2@csupomona.edu

The Pacific Division of the American Association for the Advancement of Science met at San Jose State University, California on 23-27 June 1996 to present papers on the History of Science to a small, interdisciplinary audience. The program included symposia, oral and poster sessions, lectures, field trips, and social events. Graduate students competed for prizes within their fields of study. Inquiries:

Alan Leviton

Pacific Division AAAS

California Academy of Sciences

San Francisco, CA 94118

Phone: (415) 752-1554

SHNH IN JAPAN

A Japan secretariat office of the Society for the History of Natural History was opened in Tokyo last year, through the efforts of the Society's Japan representative, Mr. H. Nishimura. No. 1 of the Japanese Membership Newsletter was circulated as well.

HAKLUYT ANNIVERSARY

The Hakluyt Society celebrates the 150th anniversary of its founding this year. Named after the premier English editor of travel writings, Richard Hakluyt (1552-1616), the Society has published over 200 scholarly editions of records of travel, exploration, and contact between

cultures. Recently published titles relating to the Pacific have included *The Voyage of George Vancouver* and *The Journal of La Pérouse*.

Membership in the society is £25 (US\$50) and includes a free copy of all volumes in the Ordinary Series (on average, two volumes per year). Inquiries and enrollment:

The Hakluyt Society
c/o Map Library, The British Library
Great Russell Street
London WC1B 3DG UK

**ASSISTANCE PROGRAM
FOR DISTANCE EDUCATION
IN THE PACIFIC REGION**

The Sasakawa Pacific Island Nations Fund, established within The Sasakawa Peace Foundation in 1988, fosters mutual understanding and cooperative ties between the nations in the Pacific islands region and other countries of the world, including Japan. The Fund administers a broad range of projects currently under three areas of priority concern: people exchange, human resource development, and communication network building. In April of this year, the Fund will launch "Supporting Distance Education in the Pacific Island Nations Region," a new project aimed at improving education, and hence at fostering human resources, within the region through the development of communication networks for providing distance education.

The Pacific Ocean contains more than ten thousand islands scattered over roughly a third of the globe's surface. For the residents of these islands, the physical isolation of this geography and the parochial outlook it tends to foster constitute formidable impediments to the advancement of education in the region.

A number of efforts have already been made to develop distance education systems for the Pacific island nations, including the PEACESAT program, a public welfare and education network broadcast over used NASA satellites, and USPNET, a network linking the "Extension Centers" of the University of the South Pacific in 12 island countries. Meanwhile, rocketing advances in communication technology are bringing the possibility of high quality education for all countries within reach. Taking advantage of this technology and of other nations' experiences with distance education, the region's countries must now begin to experiment with a range of systems in search of approaches best fitted to their own culture's specific educational needs.

The "Supporting Distance Education in the Pacific Island Nations Region" project is designed to contribute

to this effort by providing assistance for activities aimed at: (1) upgrading existing educational communication networks; (2) developing and networking for new educational programs that utilize a broad range of available media, from radio (already widely used) to Internet linkage; and (3) fostering general awareness of and support for the spread of distance education services. In keeping with the Fund's operational guidelines, priority will be given to activities which emphasize local initiative and inter-regional cooperation among the island nations themselves. Furthermore, favorable consideration will be given to projects that take into account the social and cultural impact of greater information access in the targeted island communities. While we realize that many parts of the region still lack adequate primary and secondary education systems, we will also consider eligible distance education activities that are broad enough in scope to cover vocational and adult education initiatives as well.

It will not be an easy task to develop educational programs that must adapt highly advanced technology to the differing needs of local communities. In this light, our new program will not stress the big picture—creating satellite and other large systems—but rather essential parallel tasks that will need to be accomplished on the grassroots level. One such task will be to encourage and give full expression to the creativity and initiative of local educators and communications technicians in building community-tailored distance education systems.

By working together in projects to enhance distance education, the widely dispersed and culturally diverse nations of the Pacific island region may also forge new channels through which to communicate their own distinctive values and cultural traditions to the world at large.

To obtain further information about this program, or copies of the Fund's pamphlets and newsletters, contact:

The Sasakawa Pacific Island Nations Fund
The Sasakawa Foundation

Phone: 81-3-3769-6359

Fax: 81-3-3769-2090

E-mail: spinf@spf.or.jp

URL: <http://www.spf.org>

This article was submitted by:

Rieko Hayakawa

Program Officer

The Sasakawa Pacific Island Nations Fund

ROCKEFELLER AWARDS

The following scholars are among the 42 recipients of stipends granted by the Rockefeller Foundation for



Groundbreaking on Mauna Kea for the Smithsonian's Submillimeter Array. Holding their Hawaiian *o'o* sticks are (left to right, front row) Bob McLaren, Dean Smith, Steve Yamashiro, Eric Silverberg, Don Hall, Bob Hoffmann, Kepa Maly, and Monsignor Charles Kekumano; (back row) William Bruckman, Ross Simons, and I. Michael Heyman.

research at the Rockefeller Archive Center during 1996:

JOHN BAICK (New York University), "Reorienting Culture: New York Elites and the Turn Toward East Asia"

CHERYL BARKEY (University of California-Davis), "Gender, Science and Modernity: Reproduction in Republican China"

MANON NIQUETTE (Université Laval), "Exhibitions as Media: The Rockefeller Foundation's Support for Science Museums, 1934-1943"

ARMANDO SOLORZANO (University of Utah), "The Contributions of the Rockefeller Foundation to Medical Sciences and Medical Education in Mexico."

PRIZES AND AWARDS

HELEN ROZWADOWSKI (University of Pennsylvania) was awarded the 1995 *Ida and Henry Schuman Prize* by the History of Science Society for the best graduate student essay. Her essay, "Small World: Forging a Scientific Maritime Culture," will appear in a future issue of *Isis*.

ASTRONOMY ADVANCES

In July of 1995, ground was broken on the summit of Mauna Kea, Hawaii, for an unprecedented thirteenth

telescope. Representatives from the Smithsonian Institution and the University of Hawaii were on hand to mark the spot, in an area called "Millimeter Valley" within the Mauna Kea Science Reserve, where the Smithsonian Submillimeter Array (SMA) is to be built. Of a novel design, the SMA features a coordinated group of small (6-meter diameter) movable antennas. The original plan was for six such units, but in June

of this year an agreement was signed with the Academia Sinica of Taiwan which will provide funding for an additional two telescopes for the array. The array is scheduled for first light in 1997. For further info:

Submillimeter Array Field Office
Federal Building, Room 120
154 Waiianuenu Avenue
Hilo, HI 96720-2452 USA

GRANT, AWARD, AND FELLOWSHIP OPPORTUNITIES

The Rockefeller Archive Center will have two components to its program of Grants for Travel and Research at the Rockefeller Archive Center in 1997. In addition to its regular competitive program that is open to researchers in any discipline engaged in research and requires use of its collections, the Center will award up to ten grants to support research on topics related to the continent of Africa. The competition for these targeted grants will use the same application form and follow the same guidelines as the general program. Applicants from within the U.S. and Canada may request support of up to US\$1,500; because of the additional cost of travel, applicants from other nations may request up to US\$2,000. Applicants wishing to be considered for the

special grant program on Africa should indicate this in a cover letter. The deadline for applications is 30 November 1996. Grant recipients will be announced in March 1997.

For application forms and additional information about the Center's grant programs, contact:

Darwin H. Stapleton, Director
Rockefeller Archive Center
15 Dayton Avenue
North Tarrytown, NY 10591-1598 USA
Phone: (914) 631-4505
Fax: (914) 631-6017

The **Society of Physics and Natural History of Geneva** has announced a new award, the Marc-Auguste Pictet Prize. The prize, "intended for a young researcher, will reward an outstanding work, unpublished or recently published in the field of the history of science." The prize is valued at SFr12,000 and may be shared. The theme of the prize for 1996 is "History of the Transmission of Scientific Knowledge," and entries were due by 1 March. Inquiries:

President de la SPHN
Muséum de'Histoire naturelle
Case postale 6434
CH-1211 GENEVE 6
Switzerland

E-NEWS

As before, when subscribing, characters in **bold** should be typed as is, and the info between <>s must be provided (for example, you would replace <first> <lastname> with your first and last names respectively).

On-line Catalogue. Backhuys Publishers—The Netherlands now has an online catalogue at:

<http://www.euronet.nl/users/backhuys/>

For easy access, catalogue entries may be searched by keyword. Ordering info is also provided as well as links to general info on Backhuys Publishers, info on their mailing list, antiquarian books, publishing and distribution, and other related sites.

Their catalogue is also available by e-mail. Send an empty e-mail message to:

backhuys@euronet.nl

with the subject:

catalogue

and they will reply within 24 hours with a copy of their catalogue. Ordering by e-mail is also possible—please include phone and fax numbers as well as postal address in all e-mail messages (aside from the catalogue request).

ISHPSSB Mailing List. The International Society for the History, Philosophy, and Social Studies of Biology has moderated mailing list. To subscribe, send *only* the following command on one line:

(Continued on page 14.)



The Submillimeter Array, Mauna Kea, Hawaii (left to right): the planned submillimeter array configuration and control building; existing 15-meter James Clerk Maxwell Telescope and 10-meter Caltech Submillimeter Telescope. (Photo courtesy of the Smithsonian Institution.)

**PACIFIC CIRCLE DIRECTORY OF
WORLD WIDE WEB SITES**

The "tyranny of distance" traditionally prevalent in the Pacific region continues to abate as the internet expands and ramifies. As a service to Pacific Circle members, we hope to publish regularly a classified guide to useful websites. Our first list will necessarily be modest—even fragmentary—but suggestive, we presume, of an eventually more extensive directory. The sites are formatted as Web URLs, but telnet (telnet://), gopher (gopher://), WAIS (wais://), etc. services can also be accessed using your local Internet Service Provider's (ISP's) other Net programs.

SPONSOR & SITE

CONTENTS

Learned Societies and Associations

American Association for the Advancement of Science http://www.aaas.org/communications/media/sources/scisrc.html	AAAS News and Information Website, with the 1995 edition of <i>Science Sources</i> listing more than 1000 scientific sources
British Society for the History of Science http://www.man.ac.uk/science_engineering/CHSTM/bshs/	Information on the Society and its journal, <i>British Journal for the History of Science</i>
Hawaiian Historical Society http://www.aloha.com/~mem/hhshome.html	
History of Science Society http://weber.u.washington.edu/~hssexec/	Program for the Society's annual meeting and employment opportunities
Pacific Science Association http://www.bishop.hawaii.org/bishop/psa/psa.shtml	Pacific Meeting Register, announcements of future meetings, and notices of publications

Libraries and Archives

The Archives of the California Institute of Technology http://www.caltech.edu/archives/	Includes PhotoNet, a sampling of Caltech's photographic resources
The Australian Science Archives Project http://www.asap.unimelb.edu.au/	Covers not only the work of the Project and a directory of its staff, but also the <i>History of Australian Science Newsletter</i> and the <i>Australian Association for the History, Philosophy and Social Studies of Science Newsletter</i>
Hawaii Medical Library http://hml.org/	Info on the HML and links to other medical and/or health web sites
Library of Congress Information Service telnet://locis.loc.gov:23/	Search the Library of Congress for info on its holdings.

Graduate Programs

Department of Science & Technology Studies, Cornell University http://www.sts.cornell.edu/STS-CU.html	Information on the department and its associated graduate field, with links to "Affiliated Journals" (<i>Isis</i> and <i>Osiris</i>), and other related resources
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**Program in the History of Medicine and Science,
Yale University**

<http://www.med.yale.edu/histmed/>

Museums

Bernice P. Bishop Museum, Honolulu

<http://www.bishop.hawaii.org/>
<http://www.bishop.hawaii.org/bishop/HBS/hbs1.html>

The museum also maintains the popular Hawaii Biological Survey site, for information about Hawaii's flora and fauna:

The Lemelson Center for the Study of Invention and Innovation, National Museum of American History, Smithsonian Institution

<http://www.si.edu/organiza/museums/nmah/homepage/lemel/>

See for a calendar of events, news of current projects, feature articles, and research guides to collections at the Museum.

The Museum of the History of Science, Oxford.

<http://www.ox.ac.uk/departments/hooke/>

This site contains both HTML2 and HTML3 pages; a recent browser is recommended.

Research Centers

History Computerization Project, Regional History Center of the University of the Southern California and Los Angeles City Historical Society

<http://www.history.la.ca.us/history> or
<http://www.directnet.com/history>

History database tutorial on the use of computer database management for historical research

The Humanities Research Centre, Canberra

<http://www.anu.edu.au/HRC/Home.html>

Serial Publications

***GSA Today*, the monthly membership magazine of the Geological Society of America**

<http://www.aescon.com/geosociety/index.html>

Issues now available on the Web-even before the printed copies are off the press.

Presses

University of Hawaii Press

<http://www2.hawaii.edu/uhipress/UHPHome.html>

The book section includes cover art, brief descriptions and ordering info for recent and forthcoming books. The journal section has article abstracts from current issues, back issue info (some lists are still under construction), and subscription and editorial information.

Cybertravel

The Spice Islands Voyage Page

<http://www.curriculumweb.com/curriculumweb/ercntr/spiceislands/sivoyage/siupdate.html>
(Note: this URL should be on one line).

Join this online trip through the Spice Islands recalling the travels of Alfred Russel Wallace.

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Christian C. Young

History of Science and Technology

University of Minnesota

E-mail: youn0008@gold.tc.umn.edu

<http://genbiol.cbs.umn.edu/staff/ccyl.html>

Pacific Science Association on the Web. PSA is now on the web with announcements of future PSA meetings, the Pacific Meeting Register (which will be updated regularly), notices of publications, and general information, including a membership form which can be automatically forwarded: PSA's home page can be reached via Bishop Museum's web pages. The URL is:

<http://www.bishop.hawaii.org/bishop/psa/psa.shtml>

(note: the URL should be on one line.) This page contains graphics that don't show up on a text-only browser. For your information, the links (which are buttons on a graphical browser), appear in the following order: INFO, MEETINGS, FIJI MTG, PUBS.

L. G. Eldredge

Executive Secretary

Pacific Science Association

P.O. Box 17801

Honolulu, HI 96817 USA

E-mail: psa@bishop.bishop.hawaii.org

History of Science Society. The Executive Office has constructed a World Wide Web page for HSS. HSS announcements and info may be obtained from:

<http://weber.u.washington.edu/hsexec/>

Contact the office if you have info to add to the page at:

E-mail: hsexec@u.washington.edu

or contact:

Rob Ferguson

University of Minnesota

E-mail: ferg0012@gold.tc.umn.edu

Columbia History of Science Group. The newsletter of the Columbia History of Science Group (Mott Greene, President; Jody Bourgeois, Program Coordinator) is now distributed by e-mail through the Executive Office of the History of Science Society. Inquiries:

E-mail: hsexec@u.washington.edu

Historical-Geology listserv. An e-mail discussion group administered by the University of Wyoming's International Archive of Economic Geology is intended to provide a forum for discussion on subjects related to the history of geology and the extractive minerals industries. The mailing is the official e-mail channel of the Mining History Association and GeoClio, but historians, earth scientists, and all other interested parties are also encouraged to use this mailing list to exchange ideas with other scholars, search for research materials, and discuss topics of interest to the field. The mailing list is moderated by Brad Burton, Manager of the International Archive of Economic Geology. To subscribe, send the one-line message:

subscribe historical-geology

to:

mailserv@uwyo.edu

Send any questions, suggestions, or comments concerning this mailing list to:

Ronald Rainger, Secretary

History of Earth Sciences Society

Department of History

Texas Tech University

Lubbock, TX 79409-1013 USA

BOOK REVIEW

MICHAEL A. OSBORNE, *Nature, the Exotic, and the Science of French Colonialism* (Indianapolis & Bloomington: Indiana University Press, 1994), xvi + 216 pp, \$35.00.

This book is about French science and French colonialism, as seen through the history of a remarkable French scientific society, the Société zoologique d'acclimatation. Founded in 1854, the Society's central project was acclimatization, the improvement of French and colonial agriculture through the importation of exotic animals and plants.

Most previous studies of French biology tended to focus on matters of history and on the work of a limited number of French scientific heroes. A special merit of the present book is that, without neglecting matters of scientific theory, it provides a broad view of the multiple actors and interests involved in the Société zoologique d'acclimatation over the first seven decades of its existence and shows how, in this enterprise at least, theory was not so important as were the practical economic realities of specific local circumstances. There are some familiar names of French biology here, since personnel of the Muséum National d'Histoire Naturelle played major roles in the Society's leadership (despite the Museum's tepid enthusiasm for applied zoology). The

Society's intellectual founder and first president, Isidore Geoffroy Saint-Hilaire, and its president at the beginning of the twentieth century, Edmond Perrier, were both distinguished Museum professors. But the Society also included politicians, wealthy nobles, individuals working their own land, and various professionals, civil servants, bankers, and others seeking to advance the economic interests of their country and themselves.

The book's first two chapters chronicle the Society's history from its origins to 1920. Subsequent chapters examine the Society's "scientific ideology," its zoo (the Jardin zoologique d'acclimatation, established in Paris in 1860); and its acclimatization efforts in eastern France and in Algeria.

As the basis for an ideology of acclimatization, Isidore Geoffroy Saint-Hilaire's "limited-variability-of-type" theory mediated between a Lamarckian environmentalism and Cuvierian fixism. Disputes over the prospects of acclimatization, as Osborne proceeds to show, were about humans as well as animals and plants, a topic of practical consequence in the context of the government's project of settling colonists in Algeria.

Discussing the Society's zoo, Osborne shows how the Society's plans for this as a center of acclimatization and public instruction eroded in the face of economic need and declining public interest. Since most of the Jardin zoologique d'acclimatation's resources came from gate receipts (and the sale of exotic animals), attracting visitors was necessary for the institution's survival. However, the exhibits that proved capable of drawing crowds were not displays of public utility, such as new breeds of cattle and sheep, but instead the spectacular beasts: lions, tigers, giraffes, elephants, and the like. Ethnographic exhibits were also a hit. Africans from Somalia and the Sudan and Eskimos from Greenland were displayed at the zoo in 1877 (despite their lack of relation to the Society's agricultural concerns). But even exhibits such as these were not reliable money makers. The Society's hopes for acclimatization projects in eastern France and Algeria were also not fulfilled. The French peasants in both locations were suspicious of exotic plants and animals. Their concerns were not unjustified. Crops and animals that looked like promising candidates for acclimatization often proved unreliable in practice.

Osborne displays a fine appreciation of the highly contingent and situated nature of scientific activities played out in local contexts. His account provides a helpful reassessment of the role of establishment science, as exemplified by the personnel of the Museum, and a convincing case of the efficiency of core-to-periphery models of scientific influence. At the same time, he

sheds light on the development of colonial sensibilities in France. He gives us a welcome and rich view of French applied zoology in action.

—Richard W. Burkhardt, Jr.

University of Illinois at Urbana-Champaign

OSIRIS: EAST ASIAN SCIENCE

Volume 14 of *Osiris* will be on East Asian Science and will be edited by MORRIS LOW. Scholars interested in submitting papers which address majors issues in the history of East Asian (and Southeast Asian) science, technology and medicine should contact him as soon as possible:

Division of Pacific and Asian History

RSPAS

Australian National University

Canberra, ACT 0200 AUSTRALIA

E-mail: mlow@coombs.anu.edu.au

NEW SERIES: EARTH SCIENCES

Studies in the History and Philosophy of the Earth Sciences. Athlone Press, London, has announced this new international journal, under the general editorship of DAVID OLDROYD. The series will offer "an outlet for the publication of authoritative texts relating to the history of geology and related sciences, and philosophical problems that arise in connection with such sciences. It may be concerned with, for example, studies of the history of geological work in particular countries or geographical regions, particular geological controversies, the sociology and/or social history of geology, methods of representation in geology, the spread of geological knowledge and also its integration, the use of physical instruments in geological research, histories of fieldwork and mapping, studies of specific geological systems or units (e.g., the Jurassic or the 'Old Red Sandstone'), 'neglected' histories such as sedimentology or petrology, the 'economic history' of geology, the histories of geological societies, biographical (or autobiographical) works, environmental geology, etc."

Professor Oldroyd would like to hear from prospective authors interested in contributing to the series. Contributions on the history of Pacific geology would be particularly welcome:

Professor David Oldroyd

School of Science and Technology Studies

University of New South Wales

Sydney, NSW 2052, AUSTRALIA

E-mail: d.oldroyd@unsw.edu.au

NEW AND RECENT SERIALS

Science, Technology, and Society, An International Journal Devoted to the Developing World, issues its first number this year. Editors are V.V. KRISHNA (NISTADS, New Delhi) and ROLAND WAAST (ORSTOM, Paris). It will be published semi-annually by Sage Publications India, New Delhi.

Worldviews. White Horse Press, publisher of the interdisciplinary environmental journals, *Environmental Values* and *Environment and History*, announces a complementary journal, *Worldviews: Environment, Culture, Religion*. *Worldviews* will draw on several academic disciplines and present both "insider" and "outsider" perceptions of the relations between people, their religious and cultural beliefs, and the environment.

In the last two decades, awareness of local, national and international environmental issues has increased and has been reflected in policy-making—from the international 1992 Earth Summit at Rio to the local responses in the Local Agenda 21 process. The significance of such environmental issues led to growing academic interest in human understandings of the natural environment and how such understandings shape behavior. More practically, improved knowledge of the values and beliefs of different cultures may lead to more effective local and international cooperation in environmental affairs.

Worldviews, an international academic journal seeking to explore the environmental understandings, perceptions and practices of a wide range of different cultures and religious traditions, will adopt an interdisciplinary approach and draw on contributions from a range of areas including anthropology, environmental studies, geography, philosophy, religious studies, sociology and theology. Articles will be considered which explore the interaction of humans and the natural environment from perspectives that may be either within or outside particular religious and cultural traditions.

An international editorial team is being appointed and the journal will be refereed and indexed by leading abstracting services. The Editor, Dr. Clare A. Palmer (University of Greenwich) and Associate Editors, Kay Milton (Queen's University, Belfast) and Mary Evelyn Tucker (Bucknell University), invite authors to submit four copies of papers for *WorldViews* (in English, typed and double spaced, and less than 6000 words). The author's name and address should be on a separate sheet to allow for blind refereeing. Submissions and inquiries:

Dr. C.A. Palmer
School of Environmental Sciences
Creek Road
Deptford, London SE8 3BW UK

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RECENT BOOKS

The Admiralty Chart: British Naval Hydrography in the Nineteenth Century, new edition, by G.S. RITCHIE (Durham: Pentland Press, 1995).

Biotechnology in Latin America: Politics, Impacts, and Risks, edited by N. PATRICK PERITORE & ANA KARINA GALVE-PERITORE (Wilmington, DE: Scholarly Resources, 1995), US\$45 (cloth), \$16.95 (paper).

Children of the Atomic Bomb: An American Physician's Memoir of Nagasaki, Hiroshima, and the Marshall Islands, by JAMES N. YAMAZAKI with LOUIS B. FLEMING (Durham: Duke University Press, 1995), US\$16.95.

Colonial Technology: Science and the Transfer of Innovation to Australia, by JAN TODD (New York & Cambridge: Cambridge University Press, 1995) US\$59.95 (cloth).

Daniel Solander, Collected Correspondence, 1753-1782, edited by E. DUYKER & P. TINGBRAND (Melbourne: Melbourne University Press, 1995), A\$69.95.

Dark Sun: The Making of the Hydrogen Bomb, by RICHARD RHODES (New York: Simon & Schuster, 1995), US\$32.50.

The Decision to Use the Atomic Bomb: And the Architecture of an American Myth, by GAR ALPEROVITZ (New York: Knopf, 1995), US\$32.50.

East Asian Science: Tradition and Beyond, Papers from the Seventh International Conference on the History of Science in East Asia, Kyoto, 2-7 August 1993, edited by KEIZO HASHIMOTO, CATHERINE JAMI & LOWELL SKAR (Osaka: Kansai University Press, 1995), ¥6000 (paper).

The Food of Paradise: Exploring Hawaii's Culinary Heritage, by RACHEL LAUDAN (Honolulu: University of Hawaii Press, 1996), US\$38.95 (cloth), 24.95 (paper).

Forced Migration and Scientific Change: Emigre German-Speaking Scientists and Scholars after 1933, by MITCHELL G. ASH & ALFONS SOLLNER (Cambridge: Cambridge University Press, 1996), US\$59.95.

Hiroshima: Why America Dropped the Bomb, by RONALD TAKAKI (Boston: Little Brown & Co., 1995), US\$19.95.

Hiroshima and America: Fifty Years of Denial, by ROBERT JAY LIFTON & GREG MITCHELL (New York: Putnam's Sons, 1995), US\$27.50.

The History of Cartography, edited by J.B. HARLEY & DAVID WOODWARD (Chicago & London: University of Chicago Press, 1994), US\$195.00.

A History of Clinical Psychiatry: The Origin and History of Psychiatric Disorders, edited by GERMAN BERRIOS & ROY PORTER (New York: New York University Press, 1995).

History of Science and Technology: A Sampler of Centers and Collections of Distinction, edited by CYNTHIA A STEINKE (New York: Howarth Press, 1994).

The History of Science and Technology-Series Two: The Papers of Sir Joseph Banks, 1743-1820, a listing and guide to parts 1-3, (Marlborough, UK: Adam Matthews Publications, 1995).

Hotspots: The Legacy of Hiroshima and Nagasaki, by SUE RABBITT ROFF (New York: Cassell, 1995).

James Cook and the Conquest of Scurvy, by FRANCIS E. CUPPAGE (Westport, Connecticut & London: Greenwood Press, 1994) US\$55.00.

Looking for La Pèrouse: D'Entrecasteaux in Australia and the South Pacific, 1792-1793, by F HORNER (Melbourne: Melbourne University Press, 1995), A\$49.95.

The Modern Epidemic: A History of Tuberculosis in Japan, by WILLIAM JOHNSTON (Cambridge, MA: Harvard University Press, 1995), \$45.

Observations Made during a Voyage around the World, by JOHANN REINHOLD FORSTER, edited by NICHOLAS THOMAS, HARRIET GUEST & MICHAEL DETTELBACH (Honolulu: University of Hawaii Press, 1996), US\$55.00s (cloth).

The Pacific Islands and the USA, by RON CROCOMBE (Suva: Institute of Pacific Studies, University of the South Pacific, 1996).

The Religions of Oceania, by TONY SWAIN & GARRY TROMPF (London & New York: Routledge, 1995).

The Replica of H.M. Bark Endeavour: The Story So Far (1987-1994), edited by MIKE LEFROY (Fremantle, West Australia: H.M. Bark Endeavour Foundation).

Sabreres andinos: Ciencia y tecnologia en Bolivia, Ecuador y Perú, edited by MARCOS CUETO (Lima: IEP Instituto de Estudios Peruanos, 1995).

Scaling Fisheries: The Science of Measuring the Effects of Fishing, 1855-1955, by T.D. SMITH (Cambridge/New York/Melbourne: Cambridge University Press, 1994).

The Science of Empire: Scientific Knowledge, Civilization, and Colonial Rule in India, by ZAHEER BABER (Albany, New York: State University of New York Press, 1995) US\$71.50 (hard), \$23.95 (paper).

Scientists and the Development of Nuclear Weapons: From Fission to the Limited Test Ban Treaty, 1939-1963, by LAWRENCE BADASH (New Jersey: Humanities Press, 1995), US\$39.95 (cloth), US\$12.50 (paper).

The Technological Transformation of Japan: From the Seventeenth to the Twenty-First Century, by TESSA MORRIS-SUZUKI (Cambridge & New York: Cambridge University Press, 1994).

Truman and the Hiroshima Cult, by ROBERT P. NEWMAN (East Lansing: Michigan State University Press, 1995), US\$34.95.

Wellsprings of Achievement: Cultural and Economic Dynamics in Early Modern England and Japan, by PENELOPE GOUK (Aldershot, England & Brookfield, Vermont: Variorum, 1995).

Where the Roads Met: East and West in the Silk Production Processes (17th to 19th Century), by CLAUDIO ZANIER (Kyoto: Instituto Italiano di Cultura Scuola di Studisull'Asia Orientale, 1994).

Working on the Bomb: An Oral History of WWII Hanford, by S.L. SANGER, edited by CRAIG WOLLNER (Portland, OR: Portland State University, 1995), US\$17.95 (paper).

RECENT ARTICLES

"Les 120 ans du Service hydrographique et océanographique de la Marine chilienne, son passé, son présent, son futur," by H. GORZIGLIA, *Revue hydrographique internationale* 71(2) (1994), 1-22.

"Botany, Chemistry and Tropical Development," by DANIEL R. HEADRICK, *Journal of World History* 7(1) (Spring 1996), 1-20.

"Charles Bessey, Evolution, Classification, and the New Botany," by ALAIN CUERRIER, ROBERT W. KIGER & PETER F. STEVENS, *Huntia* 9(2) (1996), 179-213.

"The Contribution of the Voyage of H.M.S. *Blonde* (1825) to Hawaiian Ornithology," by STORRS L. OLSON, *Archives of Natural History* 23(1) (February 1996), 1-42.

"The Contributions of von Siebold and H. Bürger to the Natural History of Japanese Crustacea," BY T. YAMAGUCHI, in *Ph.F. von Siebold and Natural History of Japan Crustacea*, edited by T. YAMAGUCHI (Tokyo: Carcinological Society of Japan, 1993), 647-688.

"Darwin and the Seeing Eye: Iconography and Meaning in the Beagle Years," by DAVID R. STODDART, *Earth Sciences History* 14 (1995), 3-22.

"The Deepest Depths," by G.S. RITCHIE, *Ocean Challenge* 5(2), 38-41.

"Eugenic Science in California: The Papers of E.S. Gosney and the Human Betterment Foundation," by DAVID A. VALONE, *The Mendel Newsletter* 5 (February 1996), 13-15.

"Fishery Development in the Eastern North Pacific: A Natural-cultural System Perspective, 1888-1976," by E.A. DEIMLING & W.J. LISS, *Fisheries Oceanography* 3(1) (1994), 60-77.

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