



PACIFIC CIRCLE NEWS

The Pacific Circle nears the end of another busy year, having co-sponsored sessions at two international congresses, and receiving acceptance of a second volume of essays on Pacific science. We offer our heartiest thanks to all participants, contributors and correspondents for widening and enriching the Circle's network.

In July, the Circle was a co-sponsor of the **Fifth International Congress on the History of Oceanography**, held at the Scripps Institution of Oceanography in La Jolla, California. FRITZ REHBOCK and KEITH BENSON were co-chairs of the Program Committee, while the complex local arrangements for this week-long meeting were masterfully carried out by Scripps Archivist, DEBORAH DAY. A fuller report of the congress appears on page 3, and photos on pages 12-13.

August featured the **XIXth International History of Science Congress**, in Zaragoza, Spain. Some 1300 participants and 600 accompanying guests were attracted to this lovely, ancient city on the River Ebro in historic Aragon. The Pacific Circle organized symposium 19, "European Science and the Oceanus Incognitus," chaired by ROY MACLEOD and consisting of the following papers:

LEONCIO LOPEZ-OCÓN, "The Comisión Científica del Pacífico (1862-1866) and the Commission Scientifique du Mexique (1864-1867): The Similarities and Differences of Two Latin American Research Expeditions Conducted by European Scientists"

VIRGINIA GONZALEZ-CLAVERAN, "Una Visión Hispánica del Pacífico (fines del siglo XVIII)"

PHILIP F. REHBOCK, "Victorian Naturalists in the Pacific, Prosopographically Considered"

JUAN PIMENTEL, "Los Filósofos del Mar del Sur. La Expedición Malaspina en Nueva Gales Meridional (1793)"

The biennial **Pacific Circle Business Meeting** was held during the Zaragoza symposium. In assuming the chair, Vice-President ROY MACLEOD conveyed the regrets of President DAVID STODDART, whose schedule unfortunately kept him in the Pacific. Editor-treasurer FRITZ REHBOCK reported that the Pacific Circle account had a balance of US\$1458.42 when the Congress began, but due to the unexpected distribution of IUHPS annual subventions for the previous two years by the union's treasurer, DAVID KING, the account was now \$600 richer. Rehbock also announced that due to the unavoidable irregularity in publication of the newsletter, it seemed prudent to solicit subscription renewals on the basis of the number of newsletters produced, rather than on an annual basis. The next renewal notice will, thus, go out with Newsletter No. 13.

Vice-President MacLeod reported on projects in progress: (1) a follow-up volume to *Nature in Its Greatest Extent* (1988), entitled *Darwin and the Pacific: Evolutionary Theory in the Laboratory of Nature* has been accepted for publication by the University of Hawaii Press and is expected to appear late in 1994; (2) a volume from the Fifth International Congress on the History of Oceanography will be edited by KEITH BENSON and FRITZ REHBOCK, under the title *Oceanographic History: The Pacific and Beyond*. Other projects under discussion include (1) a seminar on Japan in the Pacific, planned for Tokyo in 1995; co-sponsorship by the Japan Society for

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the Promotion of Science and the National Science Foundation is being sought ; (2) a workshop on the history and philosophy of Pacific museums to be held possibly on Vanuatu. Finally, the vice-president reported that a proposal for funding, primarily to place the *Newsletter* on a firmer footing, has been submitted to the Sasakawa Peace Foundation.

The business meeting concluded with the biennial election of officers:

President:	David Stoddart	Council:	Rod Home
Vice-President:	Roy MacLeod		Juan José Saldaña
Editor-Treasurer:	Fritz Rehbock		Fumihiko Satofuka
			Sang-Yong Song

FORTHCOMING EVENTS

A session entitled "Pacific Marine Science at Century's Close: Achievements and Prospects" has been organized under Section L of the **American Association for the Advancement of Science**, for its annual meeting in San Francisco, 18-23 February 1994. The following papers are scheduled for the session, which will take place on Sunday, 20 February, 2:30-5:30 pm:

KEITH BENSON (University of Washington), "From Teaching to Research: Marine Biology on the West Coast"
FRED SPIESS (Scripps Institution of Oceanography), "Marine Geology and Geophysics in the Pacific Ocean"
KLAUS WYRTKI (University of Hawaii), "El Niño: Past, Present and Future"
WARREN WOOSTER (University of Washington), "International Institutions and the Oceanography-Fisheries Schism"

DARWIN AND THE PACIFIC

A second volume of essays undertaken by the Pacific Circle, entitled *Darwin and the Pacific*, has been accepted for publication by the University of Hawaii Press. The volume originated in the Pacific Circle-sponsored sessions at the XVIIIth International Congress of History of Science (Hamburg, 1989) and includes the following chapters:

Introduction, by ROY MACLEOD & PHILIP F. REHBOCK

DAVID STODDART, "'This Coral Episode': Darwin, Dana, and the Coral Reefs of the Pacific"
E. ALISON KAY, "Darwin's Biogeography and the Oceanic Islands of the Central Pacific, 1859-1909"
JANE R. CAMERINI, "Wallace's Line and Evolutionary Biogeography"
RON AMUNDSON, "John T. Gulick and the Active Organism: Adaptation, Isolation, and the Politics of Evolution"
ROY MACLEOD, "Embryology and Empire: The Quest for Mechanism in the Laboratory of the Pacific"
JANET GARBER, "Darwin's Correspondents in the Pacific: Through the Looking Glass to the Antipodes"
KEITH BENSON, "The Darwinian Legacy in the Pacific Northwest: Seattle's Young Naturalists' Society, P. Brooks Randolph, and Conchology"
PAULINE PAYNE, "Science on the Periphery - 'Dr. Schomburgk's Garden'"
JANET BROWNE, "Missionaries and the Mind of Man: Charles Darwin and Robert Fitzroy"
NIEL GUNSON, "British Missionaries and their Contribution to Science in the Pacific Islands"
SARA SOHMER, "The Melanesian Mission and Victorian Anthropology: A Study in Symbiosis"
HENRIKA KUKLICK, "The Color Blue: From Research in the Torres Straits to an Ecology of Human Behavior"
BARRY BUTCHER, "Darwinism, Social Darwinism, and the Australian Aborigines, A Re-valuation"
JOHN STENHOUSE, "The Darwinian Enlightenment and New Zealand Politics"
NANCY J. CHRISTIE, "Environment and Race: Geography's Search for a Darwinian Synthesis"
JOHN LAURENT, "Varieties of Social Darwinism in Australia, Japan and Hawaii, 1883-1921"

SCIENCE OF PACIFIC ISLANDS PEOPLES

Papers presented at the **Science of Pacific Islands Peoples Conference** (University of the South Pacific, Fiji, July 1992) are to be published as a book. For further information: Linda Crowl, Institute of Pacific Studies, P.O. Box 1168, Suva, Fiji.

FIFTH INTERNATIONAL CONGRESS ON THE HISTORY OF OCEANOGRAPHY

[We are very much indebted to Eric L. Mills, editor of the newsletter *History of Oceanography*, for allowing PCN to reprint his account of ICHO-V.]

"Oceanography: the Pacific Perspective" was the theme of ICHO-V, held at the Scripps Institution of Oceanography, La Jolla, California, July 7-14, 1993. But the intellectual fare was varied and broader even than the Pacific, ranging from explorations to folks ways, and from coral reefs to subduction zones. The venue, the Scripps Institution of Oceanography, was at its best. Every morning the overnight "June gloom," a coastal mist linked to the California Current upwelling, gave way to bright sunshine, 20°C+ temperatures, and ocean breezes that made "Snackopolis," the beautiful surf-side lunch spot just below the lecture hall, a particularly attractive spot for a meal and conversations about the history of oceanography.

ICHO-V attracted more than 120 participants and accompanying persons from at least 24 nations. It was opened by Robert Friedman's keynote lecture on the career of Harald Sverdrup. Each day featured a plenary session, these being *Oceanography around the Pacific Rim*; *Archival Resources for the History of Oceanography*; *Pacific Waters in Motion*; *Beyond Darwin: Coral Reef Research in the Twentieth Century*; *Continents vs. Oceans in the Earth Sciences Revolution*; and *Scripps at Ninety*. Concurrent sessions, mainly in the afternoons, were made up of contributed papers on a wide variety of topics ranging from the history of ocean technology to aboriginal fisheries, and from ocean policy to historiography and bibliography.

Receptions and a barbecue, special lectures on U.S. naval oceanography after the Cold War (Dr. Tim Coffey) and on the next fifty years of oceanography (Dr. John Knauss), an evening at Sea World, visits to Scripps' new Stephen Birch Aquarium/Museum, and a fascinating but far too short glimpse of Ensenada and adjacent Baja California kept the "accompanying persons" and most of the ICHO-V participants from any chance of ennui. John Muir College of the University of California at San Diego, on the mesa-top to the north, served as a pleasant, congenial bedroom suburb of the Scripps campus for the ICHO-Vers.

Many of the papers presented during ICHO-V will be published by the University of Washington Press in a special volume *Oceanographic History: the Pacific and Beyond*, which is likely to be available late in 1994 or 1995. Information is available from Dr. Keith R. Benson, Dept. of Medical History and Ethics, School of Medicine SB-20, University of Washington, Seattle, Washington 98195.

The organization of an International Congress of the History of Oceanography is a major undertaking. Few have attended all, but we have been fortunate in the variety of places and of historical information during the preceding Congresses: Monaco in 1966, Edinburgh in 1972, Woods Hole in 1980, Hamburg in 1987. ICHO-V was the equal of its predecessors: outstandingly organized, well-attended and undoubtedly an intellectual sparkplug for those who attended. To Deborah Day (archivist of the Scripps Institution) who was in charge of local arrangements, to Philip F. Rehbock (University of Hawaii) and Keith Benson (University of Washington) (Co-chairs in charge of program and many other arrangements), congratulations for an outstanding accomplishment, ICHO-V in 1993.

Proposals for the next ICHO, scheduled for 1998, are now being invited by the Commission on Oceanography of IUHPS/DHS. They should be sent to Eric L. Mills, Department of Oceanography, Dalhousie University, Halifax, Nova Scotia B3H 4J1, Canada, by 1 September 1994.

VIIth PACIFIC SCIENCE INTER-CONGRESS

Our correspondent for Japan, FUMIHIKO SATOFUKA, has provided a report on the VIIth Pacific Science Inter-Congress, sponsored by the Pacific Science Association and the University of the Ryukyus. The congress took place at the International Convention Centre and Miyako Hotel, Naha-city, Okinawa, 27 June - 3 July 1993. This was the first PSA congress held in Okinawa. The theme was "The Pacific Crossroads for Culture and Nature." More than 540 participants from 33 countries presented papers in the 30 scientific sessions which followed the keynote speech by Nobel Laureate DR. R. EZAKI.

Dr. Satofuka presented a paper on the role of the PSA between the world wars (1920-1939), stressing the importance of their regionality and diversity.

The next Pacific Science Inter-Congress is to be held in Suva, Fiji, in 1997. Before then, however, the XVIII Pacific Science Congress will take place in Beijing, 5-12 June 1995.

**CONGRESSES, CONFERENCES
AND
CALLS FOR PAPERS**

Washington, DC 20005
Phone: (202) 326-6450
Fax: (202) 326-4021

11-14 November 1993. Annual meeting of the **History of Science Society**, Santa Fe, NM. Among the 67 sessions planned are: "Voyages of Scientific Discovery," "From Research to Tropical Conservation: Case Studies from the Neo Tropics," "The Emergence of the Mexican Scientific Community in the 19th Century," "The History of Science in Latin America: New Ways and Opportunities of Investigation," and "Diffusion of Medical Sciences to Latin America and the Institutionalization of Medical Schools: A Comparative Analysis." Inquiries:

Paul Lawrence Farber
Dept. of History
Oregon State University
Corvallis, OR 97331-5104
Phone: (503) 737-1273
Fax: (503) 737-2434
E-mail: farberp@ccmail.orst.edu

19-22 November 1993. Annual meeting of the **Society for Social Studies of Science**, at Purdue University, West Lafayette, Indiana. Program inquiries:

Tom Gieryn
Dept. of Sociology
Ballantine Hall 754
Indiana University
Bloomington, IN 47405
Phone: (812) 855-2950
Fax: (812) 855-2818
E-mail: gieryn@ucs.indiana.edu

6-10 December 1993. "New Directions in Maritime History," organized jointly by the **International Commission of Maritime History** and the **Australian Association for Maritime History**, in Fremantle, Western Australia. Inquiries:

New Directions in Maritime History
c/- Department of History
University of Western Australia
Nedlands, WA 6009
Australia

18-23 February 1994. 160th annual meeting of the **American Association for the Advancement of Science (AAAS)**, San Francisco. Overall theme: "Science and a Changing World." Inquiries:

AAAS - Meetings Department
1333 H Street NW

19-21 March 1994. "From the Inside and the Outside: Interdisciplinary Perspectives on the History of the Earth Sciences," is the title of the **Geological Society of America Penrose Conference**, in San Diego, California. Application deadline was 1 Nov 1993. Inquiries:

Naomi Oreskes
Earth Sciences Department
Dartmouth College
Hanover, NH 03755
Phone: (603) 646-1420
Fax: (603) 646-3922
E-mail: naomi.oreskes@dartmouth.edu
or

Kenneth L. Taylor
History of Science Department
University of Oklahoma
Norman, OK 73019
Phone: (405) 325-2231
Fax: (405) 325-2363
E-mail: aa0214@uokmvsa.bitnet

28-30 March 1994. "Making Space: Territorial Themes in the History of Science," a conference at the **University of Kent at Canterbury**, cosponsored by the **British Society for the History of Science**. Themes include: the construction of boundaries around or between academic disciplines, laboratories, privileged sites for science (universities, institutions, nature reserves), architectural formations, the specificity of knowledge and the local context, spatiality and scientific representations (cartography, crystallography, stereography, stratigraphy), spatiality of technology (telegraphy, transport, radio), the politics of space, imperial and colonial science, the reassertion of space in social theory, cultural geographies of science, historiography of space. Inquiries:

Dr. Crosbie Smith
History of Science Unit
Physics Laboratory
University of Kent at Canterbury
Canterbury, Kent CT2 7NR, UK

20-22 April 1994. "'My Dear Sir...' The Development of International Communication in Natural History," the 9th international conference of the **Society for the History of Natural History**, at the Wellcome Trust in London. The meeting will explore the growth and development of the means of

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communication between natural historians from the time of Sir Hans Sloane (1660-1753) to the present day, with a glimpse of the future. The program will be in four sessions: (1) Individual Correspondents; (2) Institutions and Publications; (3) Networking: From Old to New; and (4) Living with the New.

Inquiries:

Gina Douglas, SHNH Meetings Secretary
Linnean Society
Burlington House
Piccadilly
London W1V 0LQ, UK
Phone: (44 71) 434-4479
Fax: (44 71) 287-9364

29 April -1 May 1994. "California and the Pacific Rim: Past, Present, Future," a special conference sponsored by the **John Muir Center for Regional Studies, University of the Pacific**. Inquiries:

The John Muir Center for Regional Studies
University of the Pacific
Stockton, CA 95211

14 May 1994. "The Outsider in Science," a meeting of the **British Society for the History of Science**, in London. This meeting will consider the life and work of figures who made and published notable contributions to science which were only partly recognized (or not at all) in their lifetimes and who never gained proper professional recognition.

Inquiries:

I. Grattan-Guinness
43 St. Leonard's Road
Bengeo, Hertfordshire
SG14 3JW, UK

or

Roy Porter
Wellcome Institute for the History of Medicine
London, NW1 2BN, UK

5-6 May 1994. "Biogeography, Ecology and Prehistory of the Pitcairn Islands," organized by the **Linnean Society**, in London. Inquiries:

Linnean Society
Burlington House
Piccadilly
London W1V 0LQ UK
Phone: (44 71) 434-4479
Fax: (44 71) 287-9364

2-5 July 1994. Xth conference of the **Pacific History Association**, Kiribati. Inquiries:

Sr Alaima Talu
OLSH Regional House

P.O. Box 20 Bairiki
Tarawa, Republic of Kiribati
Phone: (686) 21213
Fax: (686) 21269

4-8 July 1994. "History of the Geological Science in the Pacific Region," is the title of the 19th international symposium of the **International Commission on the History of the Geological Sciences**. The symposium is being organized by the Earth Sciences History Group, Geological Society of Australia, Inc, and will take place at the University of Sydney. Deadline for preliminary registration and submission of abstracts is 23 Dec 1993. Inquiries:

19th INHIGEO Symposium
c/o Earth Resources Foundation
Dept. of Geology and Geophysics
University of Sydney
Sydney, NSW 2006, Australia

6-8 July 1994. "Science and British Culture in the 1830s," a meeting of the **British Society for the History of Science** commemorating the bicentenary of the birth of William Whewell, at Trinity College, Cambridge. Inquiries:

Dr. Geoffrey Cantor
Department of Philosophy
University of Leeds
Leeds LS2 9JT, UK

or

Dr. Simon Schaffer
Department of History and Philosophy of Science
University of Cambridge
Free School Lane
Cambridge CB2 3RH, UK

30 July - 4 August 1994. **22nd International Symposium of ICHOTEC**, at the Centre for the History of Technology, University of Bath. The symposium will cover wide-ranging topics in the history of technology, but particular attention will be given to three themes: (1) international aspects of the institutional organization of engineers; (2) the manufacture and marketing of gunpowder; (3) the value of physical artifacts in international comparisons in the history of technology. Inquiries:

Professor R.A. Buchanan
Centre for the History of Technology
University of Bath
Claverton Down
Bath BA2 7AY, UK
Phone: (44) 0225-826826
Fax: (44) 0225-826381

10-12 August 1994. "World War II in the Pacific," sponsored by the **Naval Historical Center, American Society of Naval Engineers, Marine Corps Historical Center and Marine Corps Historical Foundation, Naval Historical Foundation, Naval Order of the United States, and U.S. Naval Institute.** Deadline for submission of proposals: 30 Nov 1993. Inquiries:

Dr. Edward J. Marolda
Chair, Program Committee
World War II in the Pacific Conf.
Naval Historical Center
Bldg 57 WHY
Washington, DC 20374-0571

14-18 August 1994. "Pasado y presente de la modernización tecnológica y científica de México" is the general theme of the IV Congreso Mexicano de historia de la Ciencia y de la Tecnología, at Culiacán, Sinaloa, México. The congress, which marks the 30th anniversary of the founding of the **Sociedad Mexicana de Historia de la Ciencia y de la Tecnología, A.C.** will be held at the Centro de Ciencias de Sinaloa. Inquiries:

Comite Organizador IV COMHCYT
Centro de Ciencias de Sinaloa
Av. de las Américas 2771 Nte.
Culiacán, Sinaloa
80010 México
Fax: (67) 16 93 83

25-27 August 1994 (Anchorage); 29 August - 2 September 1994 (Vladivostok). "Bridges of Science Between Western North American and the Russian Far East: Past, Present, and Future." Major conference themes include: natural resources and environmental changes; Beringia revisited: recent discoveries and interpretations; development and adaptation of people and cultures; communication and information exchanges. Inquiries:

Dr. Gunter Weller, Exec. Secy.
Arctic Division AAAS
Geophysical Institute
University of Alaska
Fairbanks, AK 99775

or

Dr. Alan E. Leviton
Pacific Division AAAS
California Academy of Sciences
San Francisco, CA 94118

4-9 September 1994. **34th International Congress on the History of Medicine, Glasgow, Scotland.**

Inquiries:
Conference Secretariat

Meeting Makers
50 George St.
Glasgow G1 1QE, UK

19-22 September 1994. "20th Century Science: Beyond the Metropolis," **ORSTOM/UNESCO** Conference, Paris. This conference, marking the fiftieth anniversary of ORSTOM, will be organized in six sessions:

HISTORY - (1) Scientists, Institutions and Policies; (2) Changing Concepts in Tropical Sciences; (3) Cultural Areas and Transfer of Science and Technology.

PROSPECTS - (4) The State of Science Today: Implications for the South; (5) Science and Development; (6) Support from the North to Scientific Development in the South: New Approaches. Working languages will be French (preferably), English and Spanish. Those wishing to present a paper should submit an abstract prior to 31 Dec 93. Inquiries:

Mme Laurence Porgès
Colloque du Cinquantenaire, ORSTOM
213, rue La Fayette
75010 Paris, France
Phone: (33 1) 48 03 79 02
Fax: (33 1) 40 36 24 55

13-16 October 1994. Joint meeting of the **History of Science Society, Philosophy of Science Association, and Society for Social Studies of Science**, in New Orleans, Louisiana. Inquiries:

For PSA -
Richard M. Burian, Chair
1994 PSA Program Committee
Center for the Study of Science in Society
Virginia Polytechnic Institute and State University
Blacksburg, VA 24061-0247
Phone: (707) 231-6760
E-mail: rmburian@vtvm2.bitnet or
vtvm2.cc.vt.edu

2-9 July 1995. "Mutiny and Medicine - an International Conference on the History of Medicine and Health," will be held on Norfolk Island by the **Australian Society for the History of Medicine.** Conference themes include: the history of penal systems and medical aspects of incarceration; military and garrison medicine and health; outpost medicine and health; maritime medical history. Inquiries:

Dr. John Thearle
Conference 95 Secretariat

Department of Child Health
Mater Children's Hospital
South Brisbane, Queensland 4101
Australia

Phone: (61 7) 840-8935

Fax: (61 7) 844-9069

19-23 July 1995. Biennial meeting of the
**International Society for the History, Philosophy and
Social Studies of Biology (ISHPSSB)**, Leuven,

Belgium. Inquiries:

Peggy Stewart, ISHPSSB

Science Studies,

VPI & SU

Blacksburg, VA 24061-0247

Phone: (703) 231-7687

Fax: (703) 231-7013

E-mail: pstewart@vtml.cc.vt.edu

27 October - 1 November 1995. **Third International
History, Philosophy and Science Teaching
Conference**, at Minneapolis, Minnesota. The

conference organizers encourage the production of
units of work and lessons in the sciences and
mathematics that incorporate historical and
philosophical themes. These can be for elementary,
secondary or college level classes. The organizers
also encourage the various international groups that
have interests in the role of HPS in science,
mathematics and history teaching to use the
conference as an occasion to present their work and
to consolidate U.S. and international networks.

Inquiries:

Professor Fred Finley

Dept. of Curriculum and Instruction

University of Minnesota

Minneapolis, MN 55455-0208

Fax: 612-624-8277

E-mail: finleyfn@vx.cis.umn.edu

HAWAII SOCIETY FOR THE HISTORY OF MEDICINE AND PUBLIC HEALTH

The recently inaugurated **Hawaii Society For The
History Of Medicine And Public Health** has
announced its schedule of meetings for the first half
of 1994. Meetings are held on the last Wednesday
of the month, 5:00-6:00 p.m., at the Hawaii Medical
Library, Honolulu.

26 January: "The Brief History of AIDS & Pandemic
HIV Infection," by ALAN R. KATZ, M.D.

23 February: "Magic and Science in Medieval
Medical Practice," by KAREN JOLLY, PH.D.

30 March: Display of Medical Artifacts, by JOHN A.
BREINICH, M.L.S.

6 May: Paper (to be announced) by, and reception in
honor of, DR. ILZA VEITH.

Inquiries:

David M. Morens

Biomed. D-103

University of Hawaii

1960 East-West Road

Honolulu, Hawaii 96822

Phone: (808) 956-8601

Fax: (808) 956-4585

RECENT MEETINGS

The **Korean History of Science Society** reports the
following activities of its members in 1992. 29-30

May: The 35th Annual Meeting of the Korean
Federation of History; the main subject of the year
was "Science, Technology, and Historical
Development." 29-30 April: International

Symposium on Traditional Science, Seoul, attended
by A.I. SABRA, E. GRANT, J.J. SALDAÑA, C.N. YANG, CHEN

MEIDONG and S. NAKAYAMA. 21 May: The 36th Annual
Meeting of the Korean Federation of History

(History of Science Section). 4-7 July: 7th
International Conference of History of Science,
Technology and Medicine, at Kansai Science City -
10 members attended. The Society's membership
now stands at 398.

APPOINTMENTS, PROMOTIONS AND ELECTIONS OF PACIFIC CIRCLE MEMBERS

KEITH R. BENSON, Associate Professor, Department of
Medical History and Ethics, University of
Washington, has been elected to a five-year term as
Executive Secretary of the History of Science
Society. The new address for the HSS Executive
Office is

DH-05

University of Washington

Seattle, WA 98195

Phone: (206) 543-9366

Fax: (206) 685-9544

E-mail: krbenson@u.washington.edu

DAVID F. BRANAGAN, Department of Geology &
Geophysics, University of Sydney, has been elected
President of the International Commission for the
History of Geology (INHIGEO) for the period 1992-
1996.

MARCUS CUETO, Institute de Estudios Peruanos, has received a Guggenheim Latin American and Caribbean Fellowship for 1993.

DAVID G. FRODIN has joined the "Species Plantarum" Unit of the Royal Botanic Gardens, Kew.

MICHAEL A. OSBORNE has been named Assistant Professor of History and Environmental Studies, University of California, Santa Barbara.

DAVID R. STODDART, Department of Geography, University of California, Berkeley, was elected President-Elect of the Pacific Division, American Association for the Advancement of Science for 1992-93

SHARON TRAWEEK has been appointed Associate Professor of History at the University of California, Los Angeles.

PHILIP K. WILSON left the Department of General Science, University of Hawaii in August 1993 to accept a post-doctoral fellowship in the Section of the History of Medicine, School of Medicine, Yale University.

PRIZES & AWARDS

NAOMI ORESKES (Dartmouth College) has been named recipient of the third **W.E. and M.B. Ritter Memorial Fellowship** in the History of the Marine Sciences, by the Scripps Institution of Oceanography.

ADRIAN DESMOND and JAMES MOORE have received the **Watson Davis Prize**, awarded by the History of Science Society, for their book *Darwin: The Life of a Tormented Evolutionist* (New York: Time-Warner, 1993).

JOHN L. HEILBRON (University of California, Berkeley) has received the **1993 Sarton Medal**, the most prestigious award of the History of Science Society.

RECENT GRANTS

Among the 34 scholars who received stipends to conduct research at the **Rockefeller Archive Center** in 1993 were:

KAIYI CHEN, "History of Nursing in China"

CHEV KIDSON, "The Control of Parasitic Disease in China"

EMILIO H. KOURI, "A History of Agriculture, Ranching, and Land in Veracruz, Mexico, 1940-1969"

W. ALEXANDER MANN, "The Institute of Pacific Relations and the Cold War"

SUE RABBITT ROFF, "Human Radiation Damage from Weapons Development and Weapons Testing since 1940"

JAGDISH N. SINHA, "The Rockefeller Foundation and the Development of Science in India"

"REPORT FROM VIETNAM"

Sociologist of science and Pacific Circle member MAURICE N. ('RICK') RICHTER visited Hanoi last May. His reflections on this trip, which also included Beijing and Tianjin, appear in the American Sociological Association *Newsletter on Science, Knowledge and Technology* vol. 6, no. 2 (July 1993).

DOWN HOUSE FUND DRIVE

Down House, the home of Charles Darwin near Bromley, Kent, has been open to the public as a museum since 1929. Formerly overseen by the British Association for the Advancement of Science and the Royal College of Surgeons of England, Down House is now in the care of the Natural History Museum, London. The latter hopes to develop the full potential of Down House as a "museum, educational resource, historic house and garden." Private funding of £1 million is being sought "to refurbish the structure of the house, restore interiors and collections and create new exhibitions and displays." A longer term program hopes to raise an endowment of £2 million.

Inquiries:

The Natural History Museum Development Trust
Cromwell Road

London SW7 5BD, UK

Phone: (44 71) 938-8786

or

The Darwin Museum at Down House
Downe, Kent BR6 7JT, UK

Phone: (77 6898) 59119

NEW PROGRAMS

Royal Holloway College, University of London, has announced a new graduate degree, "M.A. in Modern

History: Power, Culture, Society." This is a one-year program "aiming to provide a solid foundation in basic historical skills, including historiography, theory of history and research techniques, as well as a specialist focus in British Imperial and Naval History, Victorian Studies, and Twentieth Century British State and Society.... Study in non-British fields is also possible, as is an interdisciplinary focus on history and literature, architecture, and geography." Inquiries:

Professor Gregory Claeys
Department of History
Royal Holloway
University of London
Egham
Surrey TW20 0EX, UK
Phone: (44 0784) 434 455
Fax: (44 0786) 433 032

The **University of Notre Dame** has established a new doctoral program in the History and Philosophy of Science. The thrust of the program is interdisciplinary; its aim is to provide a congenial environment for the study of science in its historical, philosophical and social dimensions. An important feature of the program is its attention to the broader relationships between science and culture, and especially to the interrelationships of science and religion. Inquiries:

Director, Program in History and
Philosophy of Science
University of Notre Dame
309 O'Shaughnessy Hall
Notre Dame, IN 46556

GRANT & FELLOWSHIP OPPORTUNITIES

The **University of Oklahoma** has announced an **Andrew W. Mellon Postdoctoral Fellowship** for research and teaching in the area of the Historical Intersections of the Biological and Social Sciences. The 1994-95 Fellowship is open to candidates with doctorates in history, the history of science, or related fields. The Mellon Fellow will have residence with the University's History of Science Department and the University Libraries' History of Science collections. The Fellow will teach one undergraduate or graduate course during the academic year. The fellowship carries a stipend of up to \$30,000, with benefits including a budget for travel and research expenses. Applications should be postmarked by 17 January 1994. Inquiries:

Dr. Gregg Mitman

History of Science Department
601 Elm St. Rm 622
The University of Oklahoma
Norman, OK 73019-0315
Phone: (405) 325-2213
Fax: (405) 325-2363
E-mail: aa2214@uokmvsa.bitnet

The Program in Nature, Culture, and Technology at the **University of Kansas** is a Rockefeller Residency Site for fellowships in environmental history and the humanities. The program particularly invites applicants who are doing research on themes such as: the cultural history of nature in western and nonwestern societies, the ideal of sustainable development, ethics and environmentalism in a multicultural world, the political economy of land and resource use, local versus elite knowledge of the environment, race and gender in the representation of nature, and theoretical issues in environmental history. Two post-doctoral fellowships of up to US\$35,000 are offered annually. Completed applications are due by 15 January 1994. Inquiries:

Prof. Donald Worster, Director
Program in Nature, Culture & Technology
Hall Center for the Humanities
University of Kansas
Lawrence, KA 66045-2967
Phone: (913) 864-4798

Cornell University invites applications for a one-year post-doctoral fellowship in science and technology studies. The fellow will be expected to participate in training graduate students and to carry out research on the social implications of changing knowledge in the life sciences, with emphasis on one or more of the following topics: (1) biology and the legal order; (2) environmental change; (3) communication and the use of scientific knowledge; (4) historical, philosophical and social studies of scientific change; and (5) women and biology. Application deadline: 1 April 1994. Inquiries:

Post-doctoral Search Committee
Department of Science and Technology Studies
726 University Avenue
Cornell University
Ithaca, NY 14850-3995
Fax: (607) 255-0616

The **National Endowment for the Humanities** is pleased to announce the availability of grants under the program of Humanities, Science and Technology for the support of research that brings to bear the knowledge, methods, and perspectives of the

humanities on the subjects of science, technology, or medicine. Historical studies and studies of current topics are eligible. However, studies of current science, technology, or medicine must deal with fundamental issues in the humanities. Individuals and institutions are eligible to apply. Applicants may request support for full or part-time salaries, travel, and other costs of conducting research for periods of from one to three years. This category of support is for projects that, because of their intellectual scope and consequent size, duration, or complexity, cannot be accomplished through individual one-year fellowships. Application materials are available from:

Daniel Jones
Program Officer for the Humanities
Room 318
National Endowment for the Humanities
Washington DC 20506.
Phone: (202) 606-8210.

The **Rockefeller Archive Center**, a division of the Rockefeller University, invites applications for its program of Grants for Travel and Research at the Rockefeller Archive Center for 1994. The program makes grants of up to US\$1500 to researchers in any discipline, usually graduate students or post-doctoral scholars, who are engaged in research that requires use of the collections at the Center, which include the records of the Rockefeller family, the Rockefeller Foundation, The Rockefeller University and other philanthropic organizations and associated individuals. The deadline for applications is 31 December 1993; grant recipients will be announced in March 1994. Inquiries:

Darwin H. Stapleton, Director
Rockefeller Archive Center
15 Dayton Avenue
North Tarrytown, NY 10591-1598

MICRONESIAN AREA RESEARCH CENTER

The Micronesian Area Research Center (MARC), established in 1967 to develop major collections of Guam, Micronesia and Pacific area materials, celebrated its 25th anniversary in 1992 by moving into its new two-story building on the **University of Guam** campus. The center has created the Micronesian Area Bibliographic Database (MABDB) on agriculture and aquaculture in Micronesia, and also has an Online Public Access Catalog (OPAC) available for reference searches.

An active publications program and seminar series are also ongoing.

MEDICAL ARCHIVES OF MICRONESIA

The Medical Archives of Micronesia was established at the **University of Guam** in 1992, with funding from the Government of Guam, for the purposes of preserving the history of health services in Micronesia, and providing contemporary support for health related research. The collection solicits materials from and about all the islands of Micronesia. Inquiries:

Maxine A. Becker, Librarian
Micronesian Health Archives
School of Nursing and Allied Health
University of Guam UOG Station
Mangilao, Guam 96923
Phone: (671) 734-9218
Fax: (671) 734-8379
E-mail: mab@uog.pacific.edu

CAMBRIDGE ASIA-PACIFIC STUDIES

Cambridge University Press has launched a new series on the contemporary Asia-Pacific region. The series will provide a focus for scholarly work on the region as a whole, and its component sub-regions, namely Northeast Asia, Southeast Asia, and the Pacific Islands. Among the topics that the editorial board are particularly interested in are the regionalisation of production, environmental issues, democratisation, ethnicity and gender, science and technology, the evolving security balance, and religion and politics. Inquiries:

Dr. John Ravenhill, Editor
Cambridge Asia-Pacific Studies
Department of International Relations
Research School of Pacific Studies
Australian National University
Canberra, ACT 0200
Australia

THE YEAR OF THE PACIFIC IN POLAND

The Asia and Pacific Museum in Warsaw will center its activities for 1994 on the countries of Oceania and Australia. A number of events are planned, which aim to popularize Pacific countries as a necessary precondition of improved and mutually beneficial cooperation and friendship. The Museum hopes that

its initiative will open a way to the development of economic cooperation and tourism as well. It will be very grateful for any art and/or handicraft artifact that will enrich the Museum, and any publications for its growing library. Inquiries:

Andrzej Wawrzyniak
Director/Curator-in-Chief
The Asia & Pacific Museum
24, Solec Str.
00-403 Warsaw, Poland

RESEARCH AND TOURIST DATA BASE

To facilitate the work of the researcher and the manager of the private or public sector, the Centre des Hautes Etudes Touristiques of the University of Law, Economics and Sciences of Aix-Marseille has been annually collecting material to form the most important library in the world dealing with multiple aspects of tourism and outdoor recreation. The collection now contains more than 51,000 books and 7000 scientific papers. It can be accessed by a computer program which reveals that, for example, there are 80 documents on Fiji, 257 on Hawaii, and 112 on Micronesia. Inquiries:

Centre des Hautes Etudes Touristiques
Fondation Vasarely
1 Avenue Marcel Pagnol
13090 Aix-en-Provence, France
Phone: (33) 42 20 09 73
Fax: (33) 42 20 50 98

NATURALISTS: A BIOGRAPHICAL ENCYCLOPEDIA

Pacific Circle correspondent JANET GARBER is currently editing *Naturalists: A Biographical Encyclopedia*, scheduled for publication by Garland Press in 1995. Authors are sought to write biographies of individual naturalists of approximately 5000 words each. Less well known naturalists are of particular interest.

Proposals and inquiries:

Janet Garber
7734 W. 81st St.
Playa del Rey, CA 90293

SOCIAL STUDIES OF THE ENVIRONMENT

A special issue of *The Canadian Review of Sociology and Anthropology* is to be devoted to "Social Studies of the Environment." under the editorship of GARY BOWDEN. "The objective of this

special issue is to consolidate current social scientific understanding of environmental issues and to extend social science's contribution to environmental problem solving." The issue will appear in May 1994. Inquiries:

Gary Bowden
Department of Sociology
University of New Brunswick
Box 4400
Fredericton, New Brunswick
Canada E3B 5A3



COMMONWEALTH OF SCIENCE

Copies of 400-page collection of essays, *The Commonwealth of Science: ANZAAS and the Scientific Enterprise in Australia 1888-1988*, edited by ROY MACLEOD (Oxford University Press, 1988) are available at the greatly reduced price of US\$15. + postage to readers in Europe and North and South America; and at A\$10. + postage for those in Africa, India, the Pacific and Australasia. Orders:

Prof. Roy MacLeod
Department of History
University of Sydney
Sydney, NSW 2006 Australia





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ICHO-V pictorial essay (overleaf). Clockwise from noon (photos by Fritz Rehbock unless otherwise indicated):

SIO Director Edward Frieman and former NOAA Director John Knauss flank the podium; the Oceanographic Archives symposium: Deborah Day, Jacqueline Carpine-Lancre, Christiane Groeben, Pennington Ahlstrand, Pamela Henson, James Markham; congress organizers: Fritz Rehbock, Deborah Day, Keith Benson (photo by Luis Saldanha); "Scripps at 90" symposium: Betty Shor, Kathryn LaFond, Eugene LaFond, Fred Spiess, Walter Munk, Deborah Day, Robert Fisher, George Shor; congress participants assembled on Scripps Pier at sunset, 13 July 1993; Plate Tectonics symposium: Robert Parker, Naomi Oreskes, Homer Le Grand, Tanya Atwater, Alan Allwardt; Joe Reid and John Knauss at the opening reception, Stephen Birch Aquarium-Museum; Coral Reef symposium: Bernard Salvat, Daphne Fautin, Robert Kinzie, Patricia Mather, Joshua Tracy. Center: 1927 panorama of the Scripps Institution of Oceanography campus (from *Legacy of Exploration: Scripps Institution of Oceanography Since 1903*, La Jolla: 1993; reproduced courtesy of SIO Archives/UCSD).

HISTORY OF SCRIPPS

Legacy of Exploration: Scripps Institution of Oceanography since 1903 is a new pictorial guidebook to the history of Scripps Institution Of Oceanography, University of California, San Diego. This 20-page full-color publication provides an anecdotal overview of the continuing story of Scripps in words, illustrations, and photographs. It is jointly published by the Stephen Birch Aquarium-Museum and the SIO director's office. Copies may be obtained for US\$5.95 + shipping and handling from:

Stephen Birch Aquarium-Museum Bookshop
9500 Gilman Drive
Mail Code 0207
La Jolla, CA 92093-0207
Phone: (617) 534-5744).

NEW SERIALS

EMECS Newsletter nos. 3 & 4 (1993), on environmental management of enclosed coastal seas. Published by

Water Quality Division Environmental Bureau
Public Health and Environmental Department

Hyogo Prefectural Government
10-1 Shimoyamatedori 5-chome
Kobe 650
Japan

Phone: (81 78) 362-3255
Fax: (81 78) 382-1580

French Science and Technology.
Inquiries:

Peter Judge
Science Service, French Embassy
6 Perth Avenue
Yarralumla, ACT 2600
Australia
Phone: (61 6) 270-5138
Fax: (61 6) 273-3193

Indonesian Environmental History Newsletter, published twice yearly. Edited by LUC NAGTEGAL and DAVID HENLEY. Inquiries:

EDEN KITLV
P.O. Box 9515
2300 RA Leiden
The Netherlands
Phone: (071) 272295
Fax: (071) 272638

Novajletero, Japana STS-Reto, nos. 1 (1992), 2 & 3 (1993), gives information about STS activities in Japan, especially those of the STS Network Japan. It is published in Esperanto. Inquiries:

Tanaka Hiroaki
2-26-15-103 Kashii, Higashi-ku
Fukuoka 813
Japan

Pacific News Bulletin, vol. 8, nos. 2 & 3 (1993), published since 1986 by the NFIP Movement for a nuclear free and independent Pacific.

Inquiries/subscriptions:
Pacific News Bulletin
P.O. Box 489
Petersham, NSW 2049
Australia

PHINews, April/May 1993, newsletter for the Pacific Health Information Network, is published quarterly. Inquiries:

The Governor's Pacific HealthPromotion and Development Center
226 North Kuakini St. Rm 223
Honolulu, HI 96817
Phone: (808) 544-3385
Fax: (808) 544-3335

BOOK REVIEW

EUGENE CITTADINO, *Nature as the Laboratory: Darwinian Plant Ecology in the German Empire, 1880-1900* (Cambridge: Cambridge University Press, 1990). xi. + 199 pp. + index. ISBN 0-521-34045-4.

The activity of science can be construed as an expression of nationalism and internationalism, of locality and universality. It can also be construed as a agency of cultural imperialism. During the last few years, a minor industry has grown up around the study of imperial science and colonial science, which has focussed increasingly upon the dynamics of science at the periphery. Unquestionably, the fact and nature of an imperial presence gave motive, method and means to scientific enquiry. Opportunities for British scientists were facilitated by British interests in Africa, India and the Middle East, in Australasia and the Pacific; so, too, French science drew upon opportunities in North Africa, Indochina and Polynesia; the Dutch, in the East Indies; and the Germans, in Africa, New Guinea and the Carolines. New lands could be, and commonly were, welcomed as occasions for the application of science, directed to government advantage and commercial profit. But they also afforded important openings for fundamental research, vital to the completion of the European 'picture of the world.' In this sense, cultural imperialism was not uniquely the privilege of the exact sciences. Natural history was an imperial science as well, and the circumstances of imperialism contributed to its theoretical development.

This timely addition to the history of biology, while not dwelling principally upon the Pacific, nevertheless informs our wider understanding of European science 'overseas' in two important ways. First, in following the emergence of plant ecology, and the paths taken by botanists from Berlin and Strassbourg/Bonn, led by Gottlieb Haberlandt, AFW Schimper, and Heinrich Schenck, we are reminded how Europeans sought out a new 'laboratory of nature', rendered accessible to them as a consequence of expansion into newly created 'protectorates' in Africa and Asia. The period of 'colonial opportunism', in the first two decades after the Treaty of Berlin led to the 'scramble for Africa' and European envelopment of the 'world overseas', is one of immense interest to historians of Germany's imperial rivals, particularly Britain and France. That such opportunism had dramatic consequences for the history of science and culture, is a matter of record and experience.

Second, in telling a story of biological enterprise, the author reminds us how biologists, trained in the laboratories and museums of Europe, responded to active field work in a Darwinian universe, rich in all its competitive diversity. Like their British counterparts, German botanists came to reject traditional phylogenetic and morphological preoccupations in favor of relationships drawn from nature, illuminated by Darwinian views of environmental change and functional adaptation. Indeed, field work in natural habitats -- made feasible by the 'colonial connection' -- made possible conceptual shifts in botanical emphasis. Colonial botany, everywhere else a common tool of commercial exploitation, acquired in this important case a theoretical dimension as well.

Thanks to the author's meticulous scholarship and sure grasp of its wider implications, we have here not only an excellent case study of German science, Darwinian biology, and institutional development in the life sciences. In text and subtext, at the intersection of imperialism and biodiversity, we have also an excellent illustration of the ways in which opportunities shape outcomes, and how the discourses of science and politics are ineluctably combined. It is a story familiar to students of European science in general, and in the Pacific, in particular; and its message will be welcomed no less well for that.

Roy MacLeod
University of Sydney

RECENT BOOKS

Affinity and Shinwa Ryoku: Introduction of Western Chemical Concepts in Early Nineteenth-Century Japan, by TOGO TSUKUHARA (Amsterdam: J. Gieben, 1993).

Antarctica, Cambridge, Conservation and Population: A Biologist's Story, by COLIN BERTRAM (Cambridge: G.C.L. Bertram, 1987).

Arctic Exploration and Development, c. 500 B.C. to 1915, An Encyclopedia, edited by CLIVE HOLLAND (Hamden, CT: Garland Publishing, 1993).

Astorian Adventure: The Journal of Alfred Seton, 1811-1815, edited by ROBERT F. JONES (Bronx, NY: Fordham University Press, 1993), US\$25.

Australian Aborigines and the French. Papers from a Symposium held at the University of New South Wales, 21-23

July 1988, edited by MAURICE BLACKMAN (Kensington: University of New South Wales, 1990).

Beauty and the Beasts: A Fascinating History of Taronga and Western Plains Zoos and their Antecedents, by RONALD STRAHAN (Zoological Parks Board of New South Wales, 1991).

Beyond the Dream: A Search for Meaning, by LAURA THOMPSON, edited by REBECCA A. STEPHENSON (University of Guam: MARC Publications Program, 1991), US\$25.00 (cloth), \$16.00 (paper).

Breaking the Maya Code, by MICHAEL D. COE (London: Thames and Hudson, 1992).

Canal Irrigation in Prehistoric Mexico: The Sequence of Technological Change, by WILLIAM E. DOOLITTLE (Austin: University of Texas Press, 1990).

Challenger at Sea: A Ship That Revolutionized Earth Science, by KENNETH J. HSU (Princeton: Princeton University Press, 1992), US\$35, £20.

Confronting the Margaret Mead Legacy: Scholarship, Empire, and the South Pacific, edited by LENORA FOERSTEL AND ANGELA GILLIAM (Philadelphia: Temple University Press, 1992), US\$34.95.

Contributions to the History of Canadian Geoscience, on the Occasion of the 150th Anniversary of the Geological Survey of Canada, special issue of *Earth Sciences History* 12 (2) (1993).

The Creation of the Anglo-Australian Observatory, by S.C.B. GASCOIGNE, K.M. PROUST and M.O. ROBINS (Cambridge: Cambridge University Press, 1990).

Crosbie Morrison: Voice of Nature, by GRAHAM PIZZEY (Melbourne: Victoria Press in association with the Museum of Victoria, 1992), A\$25.

Culture and Democracy in the South Pacific, edited by RON CROCOMBE, UENTABO NEEMIA, ASESELA RAVUVU and WERNER VOM BUSCH (Suva: University of the South Pacific, Institute of Pacific Studies, 1992).

Culture Contact in the Pacific, edited by MAX QUANCHI and RON ADAMS (Cambridge: Cambridge University Press, 1993).

La Découverte de Tahiti, by CHRISTIAN BUCHET (France-Empire, 1993), FF130.

The Dictionary of Australian Inventions and Discoveries, by MARGARET MCPHEE (St. Leonards, NSW: Allen & Unwin, 1993) A\$19.95.

Disease and Demography in the Americas, edited by JOHN W. VERANO and DOUGLAS H. UBELAKER (Washington, DC/London: Smithsonian Institution Press, 1992), US\$62.

The Emergence of Environmental Literature in Japan, by KAREN COLLIGAN-TAYLOR (New York: Garland Publishing, 1990), US\$69.

Ethics, Religion and Biodiversity: Relations between Conservation and Cultural Values, edited by LAWRENCE S. HAMILTON (Cambridge, UK: White Horse Press, 1993) £29.95 (cloth), £14.95 (paper).

La Expedición Malaspina: Un Proyecto Ilustrado para América, special issue of *Sylva Clivus* 3(7) (1989), 3-86.

The Fiji School of Medicine: A Brief History & List of Graduates, by HARRY LANDER and VIRGINIA MILES, Pacific Studies Monograph No. 2 (Kensington: University of New South Wales, Centre for South Pacific Studies, 1992).

The Fontana History of the Environmental Sciences, by PETER J. BOWLER (London: Fontana, New York: Norton, 1993), £8.99, US\$15.95 (paper).

Franz Boas, Social Activist: The Dynamics of Ethnicity, by MARSHALL HYATT (New York: Greenwood Press, 1990).

Guam Diary of Naturalist Antonio de Pineda, 1792, translated by VICTOR F. MALLADA, edited by MARJORIE G. DRIVER (University of Guam: MARC Publications Program, 1990), US\$5.00.

Guide to the Archives of Science in Australia. Records of Individuals, by G. MCCARTHY (Port Melbourne: National Centre for Australian Studies), A\$70.

Historical Dictionary of Polynesia, by ROBERT D. CRAIG, Oceanian Historical Dictionaries, Series 2 (Metuchen, NJ: Scarecrow Press, 1993), US\$37.50

The History of Science: An Annotated Bibliography, by GORDON L. MILLER (Pasadena, CA: Salem Press, 1992).

Imaging the Pacific: In the Wake of the Cook Voyages, by BERNARD SMITH (New Haven/London: Yale University Press, 1992), US\$70.

Imperialism and the Natural World, edited by JOHN M. MACKENZIE (Manchester: Manchester University Press, 1990).

Inca Cosmology and the Human Body, by CONSTANCE CLASSEN (Salt Lake City: University of Utah Press, 1993), US\$29.95

Leibniz Korrespondiert mit China: Der Briefwechsel mit den Jesuitenmissionaren (1689-1714), edited by RITA WIDMAIER (Frankfurt am Main: Klostermann, 1990).

The Life and World of John Tebbutt by RAGBIR BHATHAL (Kenhurst, NSW: Kangaroo Press, 1993), A\$19.95

Maya Civilization, by JOHN M. WEEKS, Research Guides to Ancient Civilizations vol. 1 (Hamden, CT: Garland Publishing, 1993), US\$48

New Zealand's Economic Native Plants, by R.C. COOPER and R.C. CAMBIE (Auckland/New York: Oxford University Press, 1991).

Northwest Passage. The Quest for an Arctic Route to the East, by E. STRUZIK and M. BEEDELL (London: Blandford, 1991), £19.95.

Oceanic Homosexualities, by STEPHEN O. MURRAY (Hamden, CT: Garland Publishing, 1991), US\$40.

Pacific Neighbors: New Zealand's Relations with Other Pacific Islands, by RON CROCOMBE (University of Canterbury, Centre for Pacific Studies and University of the South Pacific, Institute of Pacific Studies, 1992).

Paths to Asian Medical Knowledge, edited by CHARLES LESLIE and ALLAN YOUNG (Berkeley/Los Angeles/London: University of California Press, 1992).

Plants in Hawaiian Culture, by BEATRICE H. KRAUSS (Honolulu: University of Hawaii Press, 1993), US\$26.95 (paper).

Practical User's Guide to the Trust Territory Archives, by SAM MCPHETRES (University of Guam: MARC Publications Program, 1992), US\$7.50.

A Quantum of Australian Science, by DICK GILLING (St. Leonards, NSW: Allen & Unwin, 1993), A\$19.95.

Samoa's Forgotten Whaling Heritage: American Whaling in Samoan Waters 1824-1878, by RHYS RICHARDS (Petone, NZ: Brendan Coe, Publisher, 1993), NZ\$35.

Science Across Cultures: An Annotated Bibliography of Books on Non-Western Science, Technology, and Medicine, by HELAINE SELIN, Garland Reference Library of the Humanities, vol. 1597 (New York/London: Garland Publishing, Inc., 1992), US\$64.

Science and Civilisation in China, vol. 5 Chemistry and Chemical Technology: Part 6 Military Technology: Missiles

and Sieges, by JOSEPH NEEDHAM and ROBIN D.S. YATES (Cambridge: Cambridge University Press, 1993), US\$130.

Science and Empire: Essays in Indian Context (1700-1947), edited by DEEPAK KUMAR (Delhi: Anamika Prakashan, 1991).

Science and the Canadian Arctic: A Century of Exploration, 1818-1918, by TREVOR H. LEVERE (Cambridge: Cambridge University Press, 1993), US\$64.95.

Science, Technology and Colonisation: An Indian Experience, 1757-1857, by SATPAL SANGWAN (Delhi: Anamika Prakashan, 1991).

Selected Bibliography of 20th Century Geoscience and Related Scientific Literature of Micronesia, Part One: Mariana Island Arc, by H. GALT SIEGRIST, JR (University of Guam: MARC Publications Program, 1992) US\$9.95 (cloth), \$7.95 (paper).

Shen Pao-chen and China's Modernization in the Nineteenth Century, by DAVID PONG (Cambridge: Cambridge University Press, 1993), US\$54.95.

Sir Joseph Banks and the Transfer of Plants to and from the South Pacific, 1786-1798, by ALAN FROST (Melbourne: Gaston Renard, 1993), A\$65.

The Shorter Science and Civilisation in China, vol. 4: An Abridgement of Joseph Needham's Original Text of Volume IV, by COLIN A. RONAN (Cambridge: Cambridge University Press, 1993), US\$69.95 (cloth), \$29.95 (paper).

Sociedades Cientificas en Colombia. La Invenccion de una Tradicion, 1859-1936, by DIANA OBREGON TORRES (Bogota: Banco de la Republica, 1992).

Taming the Great South Land. A History of the Conquest of Nature in Australia, by WILLIAM J. LINES (North Sydney: Allen and Unwin/Berkeley: University of California Press, 1991), £30.

Textile Traditions in Mesoamerica and the Andes, An Anthology, edited by MARGO BLUM SCHEVILL, JANET CATHERINE BERLO and EDWARD B. DWYER (Hamden, Ct: Garland Publishing, 1991), US\$55.

Traditionelle Medizin auf den Philippinen: Angstbewältigung und Kognition bei Krankheiten, by NORBERT KOHNEN (Stuttgart: Franz Steiner Verlag, 1992), DM88 (paper).

Transfer of Modern Science and Technology to the Muslim World, Proceedings of the International Symposium on "Modern Science and the Muslim World," Istanbul, September

1987, edited by EKMELEDDIN IHSANOGLU (Istanbul: Research Centre for Islamic History, Art and Culture, 1992).

The Voyage of the Batavia, by FRANÇOIS PELSART (Sydney: Hordern House, 1993), A\$118.

The Voyage of the Peacock: A Journal by Benajah Ticknor, Naval Surgeon, edited by NAN POWELL HODGES (Ann Arbor: University of Michigan Press, 1991).

The Wealth of Nature: Environmental History and the Ecological Imagination, by DONALD WORSTER (Oxford: Oxford University Press, 1993), US\$25.

World Trade since 1431: Geography, Technology, and Capitalism, by PETER J. HUGILL (Baltimore/London: Johns Hopkins University Press, 1993), US\$59.95.

DISSERTATIONS COMPLETED

"American Geographics: The Popular Reproduction of the non-European World, 1830-1860," by BRUCE A. HARVEY, Stanford University, 1991.

"Biological Diversity and Third World Development: A Study of the Transformation of an Ecological Concept in Natural Resource Policy," by ROBERT MONTGOMERY VINCENT, Oregon State University, 1991.

"British Contributions to Antarctic Exploration, 1891-1900," by TIMOTHY H. BAUGHMAN, Florida State University, 1990.

"The Cosmopolitan Imagination: Franz Boas and the Development of American Anthropology," by JULIA E. LISS, University of California, Berkeley, 1990.

"Dr. Richard Schomburgk and Adelaide Botanic Garden 1865-91," by PAULINE PAYNE, University of Adelaide, 1992.

"The Formation of a Technical Elite in Latin America; Mining Engineering and the Engineering Profession in Bolivia, 1900-1954," by MANUEL E. CONTRERAS, Columbia University, 1990.

"Gist Gee: A Life in Science and in China," by WILLIAM H. HAAS, Harvard University, 1992.

"John Muir and the Nature of the West: An Ecology of American Life, 1864-1914," by SCOTT LANKFORD, Stanford University, 1991.

"Remembering Los Alamos: Culture and the Nuclear Weapons Organization," by BRYAN COPELAND TAYLOR, University of Utah, 1991.

"The Rise and Fall of a Strategic Technology: The American Battleship from Santiago Bay to Pearl Harbor, 1898-1941," by WILLIAM M. MCBRIDE, The Johns Hopkins University, 1990.

"The Roles of Arthur Holmes and Harry Hess in the Development of Modern global Tectonics," by ALAN O. ALLWARDT, University of California, Santa Cruz, 1990.

"Visions, Plans and Realities: A History of the Columbia Basin Project," by PAUL C. PITZER, University of Oregon, 1990.

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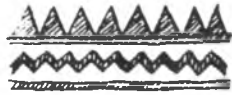
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[continued on p. 22]

The Sasakawa Pacific Island Nations Fund



Basic Concept of SPINF Program

The Sasakawa Pacific Island Nations Fund (SPINF) was established within The Sasakawa Peace Foundation (SPF) with a ¥3-billion endowment from the Sasakawa Foundation (JSIF) in 1988. While reflecting the understanding and cooperation that has already been achieved between the island states of the Pacific and Japan, the SPF seeks also to derive lessons in the carrying out of SPINF programs from the achievements made by Australia, New Zealand, the U.S., and countries of Europe in their cooperation with the Pacific Island Nations. As a private, nonprofit Japanese foundation, the SPF will, while recognizing the need for development in the Pacific Island Region, base its programs on a respect for the native cultures and traditional social systems of the island nations.

Recognizing these nations to be culturally diverse but having shared problems, the SPF has focused SPINF programs on the following two objectives: 1) to promote mutual understanding between the Pacific Island Nations and Japan, and 2) to support activities implemented by the Pacific Island Nations to foster wider and deeper inter-regional and international cooperative relations.

Areas of Funding Priority and Project Eligibility

Joint or Cooperative Projects Aimed at Promoting Mutual Understanding Between The Pacific Island Nations and Japan

Priority is given to projects that have specific concrete objectives and that seek to build ongoing partnerships. Some examples would be children or young farmer exchanges or join volunteer-based projects.

Human Resource Development and Educational Projects Conducted in Cooperation with Japan or Other Countries

Priority is placed on human-resource development and educational assistance projects that will assist in the cultivation of people who can develop and carry out cooperative programs that will widen and deepen the island nations' relations both in and outside of the region. Some examples in this priority area would be basic education, technical training, and teacher training.

Information and Communication Networks

The third priority area places emphasis on promoting the creation and use of information and communication networks beneficial to the Pacific Island Nations; for example, scientific research networks or satellite communication networks that could give the island nations more outside accessibility, making them less remote.



1. Project Eligibility Requirements

Projects must, in principle, meet the following requirements to be eligible for SPINF funding:

Project requirements

- Projects should cover at least two of the Pacific Island Nations.
- Projects or their results should have general applicability to the other Pacific Island Nations.
- Projects should be implemented in a manner that respects and encourages local initiative.
- Projects should promote understanding of the Pacific Island Nations in Japan and other countries.

Ineligible project activities

- Procurement of real estate or fixed property; construction of buildings
- Augmentation of operating expenditures
- Profit-making activities
- Purely theoretical research
- Disaster relief and other emergency activities

2 Eligible Organizations

- Educational and research institutions, NGOs, and private nonprofit foundations in the 12 Pacific Island Nations
- Regional agencies among the Pacific Island Nations
- Educational and research institutions, NGOs, and private, nonprofit foundations in Japan and other countries

3. Funding period

Grant agreements are made or renewed on an annual basis. Grants may cover a period of up to three years.

4. Application method

Though no special format is required, applications should include 1) an explanation of the project objectives, 2) an implementation plan, 3) an itemized budget plan, and 4) a detailed description of the applying organization. All applications should be submitted to the SPINF Liaison Office.

5. Application Period

There is no application filing deadline. However, applications for projects to be conducted over a set period should be submitted several months in advance.

SPINF Liaison Office's Functions

1. Carries out self-initiated projects

The Liaison Office conducts people exchange, scholarship and other of its own projects that contribute to the effective operation of The Sasakawa Pacific Island Nations Fund.

2. Provides support for grant-aided projects

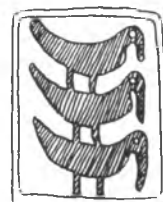
The Liaison Office conducts pre-project studies and offers consultation with regard to grant applications.

3. Offers information services

With an eye on creating an information and communication network in the future, the Liaison Office collects information on the Pacific Island Nations from individual researchers and research institutions both in and outside the region. When the need exists, it makes this information available to interested parties.

*For more information,
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[continued from p. 19]

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