



No. 6

July 1989

THE HAMBURG/MUNICH CONGRESS

On August 2-3 the Pacific Circle will hold its first formal meeting since the inaugural gathering at Berkeley in 1985. As part of the XVIII International Congress of History of Science in Hamburg and Munich (Aug 1-9), the Pacific Circle will sponsor a three-session symposium on "Western Science in the Pacific." During business meetings, the Circle will seek ratification of its constitution and designation as a Scientific Section of the International Union of the History and Philosophy of Science. Program details appear below.

That the first meeting should take place in West Germany—literally 180 degrees in longitude from the central Pacific—may seem inopportune. But how better to focus the attention of scholars throughout the world on the attractions and challenges of Pacific science, than to carry the message directly to the heart of the Atlantic community? The only difficulty lies in ensuring that enough scholars will be on hand to deliver that message. As the program testifies, this difficulty has been overcome. Moreover, there will be abundant opportunities for future meetings in the Pacific, and plans (outlined below) are underway to exploit those opportunities.

FORTHCOMING CONFERENCES AND CALLS FOR PAPERS

1-9 August 1989. The XVIIIth International Congress of the History of Science, Hamburg and Munich, Federal Republic of Germany. Congress theme: "Wissenschaft und Staat." Among the numerous activities of this quadrennial event will be the symposium "Western Science in the Pacific" organized by the Pacific Circle.

Session 1: Thursday, 3 August - Hamburg

Chairs: ROY M. MACLEOD & PHILIP F. REHBOCK

- 14:30 REBECCA A. ULLRICH, "Naturalists on HM Ships: Motives and Opportunities"
15:00 ROBERTA A. SPRAGUE, "The Wilkes Expedition: Science or Imperialism"
15:30 DAVID F. BRANAGAN, "Samuel Stutchbury: Science before Darwin in the Pacific"
16:00 Discussion
16:15 MICHAEL A. OSBORNE, "Pacific Rim Organisms and French Agriculture"
16:30 ADOLPH PAUL TIDDENS, "'Aquaculture in America: the Role of Science, Government and the Entrepreneur"
16:45 HARRY N. SCHEIBER, "Science and Commerce in Conflict: Tensions in U.S. Pacific Ocean Fisheries Research Programs, 1947-1970"
17:15 PETER NEUSHUL, "Harvesting the Sea: California's Alginates Industry"
17:45 Discussion

Session 2: Friday, 4 August. Chair: PHILIP F. REHBOCK

- 9:30 JERRY LOVELAND, "Science and Politics in the Pacific Islands"
10:00 FERNANDO MONGE, "Drinking Kava with 'Vavao' Islanders: Political Aims and Scientific Works. Anthropology in the Malaspiña Expedition (1789-1794)"
10:30 BARRY WILLIAM BUTCHER, "'Social Darwinism' and the Australian Aborigines"
10:45 Discussion
11:00 SARA H. SOHMER, "The Melanesian Mission and Victorian Anthropology: A Study in Symbiosis"
11:30 ALISON M. TURTLE, "World War II and Aftermath: The Expansion of Psychology in Australia and Papua New Guinea"
12:00 Discussion
12:15 Business Meeting of the Pacific Circle

Session 3: Friday, 4 August. Chair: PHILIP F. REHBOCK

- 14:30 DANIEL E. APPLEMAN, "James Dwight Dana and the Post Darwin Evolution of Pacific Geology"
15:00 ROY M. MACLEOD, "Embryology and Empire: The Quest for Mechanism in the Laboratory of the Pacific"
15:30 MANUEL VEGAS-VELEZ, "The Contribution of German Scientists to the Knowledge of Peruvian Pacific Waters"
16:00 Discussion
16:30 DAVID DOLAN "The Far Eastern Foundations of Percival Lowell's Major Scientific Hypothesis and Political Philosophy"
17:00 RODERICK W. HOME & MASAO WATANABE, "Forming New Physics Communities: Australia and Japan 1914-1950"
17:30 MAURICE FONTAINE, "L'Académie des Sciences (Institut de France) et la 'Pacific Science Association'"
17:45 Discussion

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7-10 August 1989. The VIth Pacific Science Inter Congress, in Valparaiso, Viña del Mar, Chile. Theme: "The Pacific: Bridge or Barrier?" Secretary General: PROF. JEANNETTE IRIGOIN. Organizing institution: Institute of International Studies, University of Chile. Inquiries:

PROF. FRANCISCO ORREGO VICUÑA
Chairman of the Organizing Committee
P.O. Box 14187, Sec 21
Santiago, Chile.

Of special interest to Pacific Circle members will be the following sessions:

J. Museums. Conveners: PROF. MARIO ARNELLO R. (Chile) and PROF. AGUSTIN LLAGOSTERA (Chile). Main themes:

1. *The adaptation of waterfront settlements in the prehistory of the Pacific.* 2. *Prehistoric navigation in the Pacific.* 3. *Importance and challenges of cultural differences and links in the present and future of the Pacific Era.*

L. Science Communication and Education. Conveners: PROF. DR. CARLOS MARTINEZ P. (Chile) and PROF. DR. ANNE B. PEDERSEN (U.S.A.). Main themes:

1. *Mass communication to popularize science:* science centers; science newspapers; science magazines and articles; science radio and television programs, videos.

2. *Formal and non-formal science communication and education:* international education of scientists, engineers, technicians and science teachers; information and education technology around the Pacific; communication technology and science education; the future of science communication and education technology; science education and the quality of life; implication of information technology on future science classroom practice and research; the right to communicate; science communication and education and their relation to cultural, religious and moral values.

3. *International technical cooperation in the Pacific:*

ethical and juridical aspects related to the development of science in the Pacific; perspectives of horizontal cooperation; joint programs in science communication and education.

4. *The reentry of scientists and engineers to Asian-Pacific countries after study abroad.*

5. *Exploring new mechanisms to cope with rapid advances in technology;* emphasis on university systems.

M. Social Science and Humanities. Conveners: PROF. PILAR ARMANET A. (Chile). PROF. WALTER SANCHES G. (Chile) and PROF. GRANT MCCALL (Australia). Main themes:

1. *Does the Pacific have a past?*

2. *Does the Pacific have a present?*

3. *Does the Pacific Century have a future?*

CONFERENCES (cont.)

The Colonial Science Club of Sydney will hold its final meetings of the calendar year on 25 September: DAVID MILLER, "Chemistry and Australian Industry in the early 20th Century"; and 20 November: BETH NEWLAND, "Dr George Bennett." Inquiries:

HARRY BOOTH

94 Woorarra Avenue

North Narrabeen, NSW 2010

10-16 October 1989. "The influence of the age of enlightenment and of the French Revolution on the occidental discovery of the South Pacific, its approach and its perception" will be the theme of a conference to be held at the French University of the Pacific, Noumea, New Caledonia.

Inquiries:

PROF. L. REIGEL

Université Française du Pacifique

B.P. 4477 Noumea

New Caledonia

15-18 November 1989. Fourteenth annual meeting of the Society for Social Studies of Science, Irvine California. Program chair:

ADELE CLARKE

136 Whitney St

San Francisco, CA 94131

Local arrangements:

S. LEIGH STAR

Department of Information and Computer Science, 405D

University of California

Irvine, CA 92717

25 November 1989. "Geography, Nature and Exploration," an interdisciplinary meeting at the Royal Entomological Society, London, jointly with the Society for the History of Natural History and the Institute of British Geographers' History & Philosophy of Geography Group. Inquiries:

H.S. TORRENS

Centre for the History

of Science and Technology

Keele University

Staffs ST5 5BG UK

18-21 October 1990. Annual meeting of the Society for the History of Technology, at the Clinic Center Hotel, Cleveland, Ohio. The organizing committee especially seeks "proposals that accent the Third World, Latin America...as well as gender, pre-twentieth century topics, and comparative studies." Deadline for preliminary proposals is 1 October 1989 to:

LINDY BIGGS

Department of History

Auburn University

Auburn, Alabama, 36849

25-28 October 1990. Annual meeting of the History of Science Society, Holiday In Crowne Plaza, Seattle, Washington.

Program co-chairs:

PETER GALISON & TIMOTHY LENOIR

Program in the History of Science

Stanford University

Stanford, CA 94305

Local arrangements:

KEITH BENSON

Dept. of Biomedical History

University of Washington

Seattle, WA 98195

December 1990. "Science of the Pacific Island Peoples," a conference at the University of the South Pacific, Suva.

Inquiries:

PROF. JOHN MORRISON

School of Pure and Applied Sciences

University of the South Pacific

Suva, Fiji.

27 May - 2 June 1991. The XVII Pacific Science Congress, to be held in Honolulu. Sponsored by the University of Hawaii, East-West Center, and B.P. Bishop Museum. (See p.5.) Preliminary program for the "Science and Culture" symposium of the congress calls for the following thematic subdivisions:

Science or Ethnoscience?

Scientific Discourse

Science and Technology Policy

Scientific Change in the Pacific

Science Education in the Pacific, and

Oral Tradition in the PSA—a Panel of Personal Reflections.

XVII Pacific



Science Congress

XVII Pacific Science Congress - Honolulu, Hawaii May 27-June 2, 1991
Sponsored by the University of Hawaii, the East-West Center and the Bishop Museum

"TOWARDS THE PACIFIC CENTURY: THE CHALLENGE OF CHANGE"

Five major symposia on general themes:

Biological Diversity - Dr. Rebecca Cann & Dr. S.H. Sohmer

Science and Culture - Dr. Fritz Rehbock

Global Environmental Change - Pacific Aspects - Dr. Richard Grigg &
Dr. Fred Mackenzie

Population, Society and Health - Dr. Barbara Siegel &
Dr. Nancy Lewis

Emerging Technologies and Development - Dr. James Dator &
Dr. Majid Tehranian

And meetings arranged by the 19 scientific Committees: Agricultural Sciences; Botany; Coral Reefs; Ecology, Conservation and Environmental Protection; Economics; Entomology; Forestry; Fresh Water Sciences; Geography; Information Sciences and Technology; Marine Sciences; Material Sciences and Technology; Meteorology and Atmospheric Sciences; Museums and Similar Institutions; Nutrition; Public Health and Medical Sciences; Science Communication and Education; Social Sciences and Humanities; Solid Earth Sciences

Venue: Sheraton Waikiki

Previous Pacific Science Congresses: 1920-Hawaii; 1923-Australia; 1926-Japan; 1929-Java; 1933-British Columbia; 1939-California; 1949-New Zealand; 1953-Philippines; 1957-Thailand; 1961-Hawaii; 1966-Japan; 1971-Australia; 1975-British Columbia; 1979-U.S.S.R.; 1983-New Zealand; 1987-South Korea

Scientific Organizing Committee Co-Chair: Dr. John Bardach, East-West Center; Dr. S.H. Sohmer, Bishop Museum; Dr. Barbara Siegel, University of Hawaii

For further information please contact:

Nancy Davis Lewis, Secretary General
XVII Pacific Science Congress Secretariat
2424 Maile Way, Fourth Floor, Honolulu, Hawaii 96822 U.S.A.
Phone: (808) 948-7551 (after 11/1/89 -(808) 951-7551)

Inquiries regarding the "Science and Culture" symposium should be directed to:
PROF. P.F. REHBOCK,
History Dept.
University of Hawaii
Honolulu, HI 96822

July 1993. Fifth International Congress on the History of Oceanography, at Scripps Institution of Oceanography, La Jolla, California. Local arrangements will be coordinated by DEBORAH DAY, Scripps Archivist. Program organizers are KEITH BENSON & FRITZ REHBOCK.

PRIZE COMPETITION

In 1990 the Third World Academy of Sciences will award its second History of Science Prize, consisting of \$10,000 and a medal. Inquiries:

MOHAMED H.A. HASSAN
TWAS Executive Secretary
International Centre for Theoretical Physics
P.O. Box 586
Miramare, Strada Costiera 11, 34100
Trieste, Italy

ASTRONOMICAL CENTENNIAL

The Astronomical Society of the Pacific, headquartered in San Francisco, celebrates its 100th anniversary this year. *Mercury*, the journal of the A.S.P., features a column called "Echos of the Past" by Katherine Bracher. The issue for January/February included her article, "The Founding of the A.S.P.;" and a useful chronology, "Some Notable Dates in Astronomy and Space Exploration," by managing editor Sherwood Harrington. The March/ April issue carried a comparative history of the observatories at Mauna Kea (Hawaii) and La Palma (Canary Islands) by Kevin Krisciunas.

BISHOP MUSEUM CENTENNIAL

Yet another 100th anniversary is celebrated this year by the Bernice P. Bishop Museum in Honolulu. Construction of the Museum

was begun in 1889 under the direction of businessman and philanthropist CHARLES REED BISHOP, who wanted a home for the collections of his late wife BERNICE PAUAAHI BISHOP and of QUEEN EMMA, widow of Kamehameha IV, as well as for his own collections. WILLIAM TUFTS BRIGHAM was appointed the Museum's first curator in 1990

AUSTRALIAN SCIENCE ARCHIVES

The cataloging of scientific papers continues at the University of Melbourne under the guidance of PROF. ROD HOME and SENIOR ARCHIVIST G.J. MCCARTHY. Obtainable from the Project at A\$10 per volume are the following publications:

"The Records of the Royal Chemical Institute, 1916-1980"; The Records of Albert Cherbury David Rivett (1885-1961)"; "The Records of Phillip Garth Law"; and "The Records of Michael James Denham White (1910-1983)." The Project is currently seeking funding to complete its *Guide to the Archives of Science in Australia*.

NEW MARITIME MUSEUM

The Hawaii Maritime Center, located at Pier 7, Honolulu Harbor, opened its doors to the public earlier this year. Situated adjacent to the four-masted *Falls of Clyde* and the Polynesian voyaging canoe replica *Hokule'a*, the Center is open daily 9-5. Hulls, artifacts and displays from all periods of Pacific sea-faring are featured. The *Journal of Pacific Maritime Museums* describes the center as a "stupendous facility...an incredible experience."

TRUK SCIENCE CENTER

The Truk State Science Center has recently been established on the island of Truk, Eastern Carolines. The Center seeks materials relating to the history of chemistry and the history of marine biological exploration. Individuals willing to share such material should contact:

ALAN EUGENE DAVIS
Truk State Science Center
Box 663
Truk, Eastern Carolines 96942
Micronesia

Avenue Saint-Martin
Monaco-Ville
MC 98000 Monaco

ALVIN'S 25th BIRTHDAY

Marine Studies (June '89), the bulletin of the Marine Studies Centre, University of Sydney, reminds us that 1989 marks the 25th anniversary of *Alvin*, the highly successful research submersible of the Woods Hole Oceanographic Institution. Although most of *Alvin*'s famous exploits have been in Atlantic waters--recovery of a hydrogen bomb off the coast of Spain in 1966 and the more recent filming of the *Titanic*'s gravesite--it was also used in the 1979 Galapagos Rift Expedition which discovered a number of unusual animal species dependent upon chemical synthesis at the rift's hydro-thermal vents.

FLINDERS VOYAGE REVISITED

A voyage retracing the route of Matthew Flinders' circumnavigation of Australia (1801-1803) is currently being sponsored by the Oceanic Research Foundation, an independent, subscriber-funded group. The voyage is being carried out aboard the R/V *Allan and Vi Thistlethwayte*. (*Marine Studies*, February 1989.)

HISTORY OF OCEANOGRAPHY

The first issue of *History of Oceanography*, the newsletter of the Commission of Oceanography of the International Union of the History and Philosophy of Science, appeared in January. This inaugural issue contains a handlist of source books on the history of oceanography prepared by ERIC L. MILLS, and a current bibliography on the history of oceanography (1987-1988) assembled by JACQUELINE CARPINE-LANCRE. President of the Commission is PROF. JEAN THEODORIDES. Inquiries: JACQUELINE CARPINE-LANCRE
Muséé océanographique bibliothèque

RECENT CONFERENCES

The Australian Society of the History of Medicine held its first national conference in Sydney, 15-19 February 1989. The following officers were elected:

President: HAROLD ATTWOOD
Vice-Pres: RANDALL ALBURY
Secretary: RICHARD GILLESPIE
Treasurer: GEOFFREY KENNY.

MUSEUM PUBLICATIONS

The Directory of Pacific Marine Museums and Data/Research Centers, 1990 edition (\$US19.95), will be available soon from the Institute for Marine Information, 1960 Kapiolani Blvd. #113, Suite 379, Honolulu, HI 96826.

The Guide to the Australian Museum Archives, 2nd ed., (\$A15.00) is available from the Archives and Rare Books Librarian, Australian Museum Library, P.O. Box A285, Sydney South, NSW 2000.

RECENT BOOKS

An American Scientist in Early Meiji Japan: The Autobiographical Notes of Thomas C. Mendenhall, edited by RICHARD RUBINGER (Honolulu: University of Hawaii Press, 1989), \$US11.

Ancient Indian Cosmogony, essays selected and introduced by JOHN IRWIN (New Delhi: Vikas, 1983).

Antarctic Science, edited by D.W.A. WALTON (Cambridge/ London/New York: Cambridge University Press, 1987).

Australian School Science Text-books, 1850-1939: A Bibliography, by ROSEMARY POLYA (Bundoora, Aust.: Borchardt Library, La Trobe University, 1986).

The Bragg Family in Adelaide: A Pictorial Celebration, by JOHN G. JENKIN (Adelaide, University of Adelaide, 1986).

Charles Darwin in Western Australia: A Young Scientist's Perceptions of an Environment, by PATRICK ARMSTRONG (Nedlands, W.A.: University of Western Australia Press, 1985).

China's Science Policy in the 80s, by TONY SAICH (Atlantic Highlands, NJ: Humanities Press, 1989), \$US39.95.

Die Chinesische Akademie der Wissenschaften und ihre Vorläufer, 1928-1985, by HANS KÜHNER (Hamburg: Institut für Asienkunde, 1986).

Conception in the Test Tube: The IVF Story: How Australia leads the World, by HARRY KANNEGIESSER (South Melbourne: Macmillan Company of Australia, 1988) \$A39.95.

The Early Mapping of Hawai'i, by GARY L. FITZPATRICK (London: Kegan Paul International, 1987).

Economic Native Plants of New Zealand, by STAN R. BROOKER, R. CONRAD CAMBIE, and ROBERT C. COOPER, available from the Advisory Officer, Botany Division, DSIR, Private Bag, Christchurch, NZ. \$NZ16.50.

Enlightenment and Beyond: Political Economy Comes to Japan, edited by CHUHEI SUGIYAMA & HIROSHI MIZUTA (Tokyo: University of Kokyo Press, 1988).

An Explorer at Rest: Ludwig Leichhardt Journals, edited by E.M. WEBSTER (Melbourne: Melbourne University Press, 1986), \$US19.95.

The Explorers of the Pacific, by GEOFFREY BADGER (Kenthurst, NSW: Kangaroo Press, 1988), \$A35.

The Farthest Corner: New Zealand, A Twice Discovered Land, by HARRY MORTON and CAROL MORTON JOHNSTON (Honolulu: University of Hawaii Press, 1989), \$US25.

The Florilegium of Captain Cook's First Voyage to Australia 1768-1771, by H. EBES (Melbourne/Sydney: Ebes Douwma & Sotheby's Australia Pty.,Ltd, 1988).

The French Reconnaissance: Baudin in Australia, 1801-1803 by FRANK HORNER (Melbourne: Melbourne University Press, 1987).

La Généreuse et Tragique Expédition Lapérouse, by FRANÇOIS BELLEC (Rennes: Ouest France, 1985).

The Genius of China: 3000 years of Science, Discovery, and Invention, by ROBERT TEMPLE (New York: Simon & Schuster, 1986).

Georg Wilhelm Steller. Journal of a Voyage with Bering, 1741-1742, edited by O.W. FROST (Stanford, Cal.: Stanford University Press, 1988), \$US28.50.

Gerard Fridrikh Miller. Bering's Voyages: The Reports from Russia, translated with commentary by CAROL URNESS (Fairbanks: University of Alaska Press, 1986).

Une Grande Expédition Scientifique au Temps de la Révolution Française: Le Voyage de d'Entrecasteaux à la Recherche de Laperouse, by HELENE RICHARD (Paris: C.T.H.S., 1986).

Historia Social de las Ciencias en Colombia (Bogota: Univ. Nacional de Colombia, 1986).

A History of Human Nutrition in Australia, by FREDERICK W. CLEMENTS (Melbourne: Longman Cheshire, 1986).

The Invention of Primitive Society: Transformations of an Illusion, by ADAM KUPER (New York: Routledge, 1989) \$US14.95.

Keneti: South Seas Adventures of Kenneth Emory, by BOB KRAUSS (Honolulu: University of Hawaii Press, 1988), \$US35.

The Life of Charles Ledger (1818-1905). Alpacas and Quinine, by GABRIELE GRAMICCIA (London: MacMillan, 1988).

Louis Pasteur and the Pasteur Institute in Australia, edited by JEAN CHAUSSIVERT & MAURICE BLACKMAN (The French-Australian Research Centre Occasional Monograph, 1; Kensington: University of New South Wales French-Australian Research Centre, 1988), \$A12.

Mirror in the Shrine: American Encounters with Meiji Japan, by R.A. ROSENSTONE (Cambridge, Mass./London: Harvard University Press, 1988).

Native Cultures of the Pacific Islands, by DOUGLAS L. OLIVER (Honolulu: University of Hawaii Press, 1989) \$US12.95.

The Natural History of Larval Mosquito Habitats, by M. LAIRD (London: Harcourt Brace Jovanovich, 1988), £65.

Observations and Interpretation of Hawaiian Volcanism and Seismicity, 1779-1955. An Annotated Bibliography and Subject Index, by THOMAS L. WRIGHT & TAEKO JANE TAKAHASHI (Honolulu: University of Hawaii Press, 1988), \$US30.

Pacific Air Race, by ROBERT H. SCHEPPLER (Washington, D.C./London: Smithsonian Institution Press, 1988), \$US24.95.

Polynesian Seafaring and Navigation: Ocean Travel in Anutan Culture and Society, by RICHARD FEINBERG (Kent, Ohio: Kent State University Press, 1988).

"Renaissance in the Pacific" is the theme of the most recent issue of the journal *Ethnies*. Edited by MURRAY CHAPMAN and JEAN-FRANÇOIS DUPON, it is a collection of essays by and interviews of Pacific islanders about cultural identity. Available in French or English (\$US17) from Survival International (France), 45 rue de Faubourg-du-Temple, 75010 Paris, France. Copies of the English edition are available to Pacific Islanders at about half price through the Institute of Pacific Studies, University of the South Pacific, Suva, Fiji.

Return to Tahiti: Bligh's Second Breadfruit Voyage, by DOUGLAS OLIVER (Honolulu: University of Hawaii Press, 1989), \$US40.

Science and Technology in Canadian History: A Bibliography of Primary Sources to 1914, by R. ALAN RICHARDSON & BERTRUM H. MACDONALD (Thornhill, Ontario: HSTC Publications, 1987). 105 microfiches + 17-page pamphlet.

Shaping Science and Industry: A History of Australia's Council for Scientific and Industrial Research, by C.B. SCHEDVIN (Sydney/London/Boston: Allen & Unwin, 1987), \$US45.

Terra Australis: The Furthest Shore, by WILLIAM EISLER & BERNARD SMITH (Sydney: International Cultural Corporation of Australia, 1988).

Thomas Baines and the North Australia Expedition, by RUSSELL BRADDON (Sydney: Collins, in association with the Royal Geographical Society, 1986).

Time, Science and Society in China and the West, by I.T. FRASER, N. LAWRENCE & F.C. HABER (Amherst, Mass.: University of Massachusetts Press, 1986).

University and Community in Nineteenth Century Sydney: Professor John Smith 1821-1885, edited by ROY MACLEOD (Sydney University Monographs, 3). Sydney: University of Sydney, 1988.

Le Voyage de Louis XVI Autour de Monde: L'expédition La Pérouse, by PAUL GIRAULT DE COURSAC & PIERRETTE GIRAULT DE COURSAC (Paris: La Table Ronde, 1985).

Ph.D. DISSERTATIONS COMPLETED

"The Introduction of American Technology Into the Japanese Electrical Industry: Another Aspect of Japanese-American Relations at the Turn of the Century," by YOSHIKATSU HAYASHI. University of California, Santa Barbara, 1986.

"Mapping the Unknown: Jesuit Cartography in China, 1583-1773," by CHERYL A SEMANS, University of California, Berkeley, 1987.

"Surveying Eldorado: The Social Role of California's Scientific Community, 1850-1915," by MICHAEL L. SMITH. Yale University, 1983.

RECENT ARTICLES

"Anti-Darwinian Theory in Japan," by BEVERLY HALSTEAD. *Nature* 317 (1985), 587-589.

"Cathedrals of Science: The Development of Colonial Natural History Museums During the late 19th Century," by SUSAN SHEETS-PYENSON. *History of Science* 25 (1987), 279-300.

"Capitalist Philanthropy and Russian Revolutionaries: The Jesup North Pacific Expedition (1897-1902)," by STANLEY A. FREE, RUTHS. FREED AND LAILA WILLIAMSON. *American Anthropologist* 90 (1988), 7-24.

"Sir Charles Mackellar: Psychiatry, Eugenics and Child Welfare in New South Wales, 1900-1914," by STEPHEN GARTON. *Historical Studies [Univ. of Melbourne]* 22 (1986), 21-34.

"Collector or Thief: Andreas Reischek in New Zealand and the Problem of Scientific Ethics in the 19th Century," by ERICH KOLIG. *Archiv für Völkerkunde* 39 (1985), 127-146.

"Cranometry and Eugenics in Australia: R.J.A. Berry and the Quest for Social Efficiency," by MARY CAWTE. *Historical Studies [Univ. of Melbourne]* 22 (1986), 35-53.

"Early Days at ANU: An Anecdote," by OSKAR SPATE. *ANU Reporter*, 24 Feb, 10 Mar, 24 Mar 1989. (Available from: ANU Reporter, University Public Relations, 28 Balmain Crescent, Acton ACT 2601).

"Easter Island's 'Sun Stones': A Re-evaluation," by GEORGIA LEE AND WILLIAM LILLER. *Archaeoastronomy* 11 (1987), 1-11.

"Exploration as Science: Charles Wilkes and the U.S. Exploring Expedition, 1938-42," by IAN C. JACKSON. *American Scientist* 73 (1985), 450-461.

"Exporting American Agriculture: The Rockefeller Foundation in Mexico, 1943-53," by DEBORAH FITZGERALD. *Social Studies of Science* 16 (1986), 457-483.

"Forgotten Early Australian Journals of Science and Their Editors," by ELIZABETH DALTON NEWLAND. *Journal of the Royal Australian Historical Society* 72 (1986), 59-68.

"The Foundations of South Australian Geology, 1802-1860," by DAVID W.P. CORBETT. *Earth Sciences History* 6 (1987), 146-158.

"Friedrich Ratzel (1844-1904) als Begründer der 'Allgemeinen Biogeographie,'" by GERHARD H. MÜLLER. *Medizin Historisches Journal* 21 (1986), 147-158.

"The Geological Survey of Victoria, 1852-1868," by T.A. DARRAGH. *Historical Records of Australian Science* 7 (1987), 1-25.

"Harry Smith in China--Routes of His Botanical Travels," by GORAN HERNER. *Taxon* 37 (1988), 299-308.

"History of Chinese Economic Thought: Overview and Recent Works," by JAMES L.Y. CHANG. *History of Political Economy* 19 (1987), 481-502.

"History of Science Collections at the Bancroft Library," by ROBIN E. RIDER. *Archives Internationales d'Histoire des Sciences* 33 (1983), 162-164.

"John Gilbert (1812-1845), the Australian Naturalist and Explorer: New Light on His Work in England," by H.S. TORRENS. *Archives of Natural History* 14 (1987), 211-219.

"Karl Scherzer and the Visit of the Novara to Sydney, 1858," by JOHN FLETCHER. *Journal of the Royal Australian Historical Society* 71 (1985), 189-206.

"Medical Care and Evacuation During the Philippine Insurrection, 1899-1901," by MARY C. GILLETT. *Journal of the History of Medicine and Allied Sciences* 42 (1987), 169-185.

"Naturalists and Natural History Institutions of the American West," [11 articles]. *American Zoologist* 26 (1986), 295-384.

"Nineteenth Century Medical Attitudes to the Maori Population of New Zealand," by MALCOLM NICOLSON. *Society for the Social History of Medicine Bulletin* 39 (1986), 35-37.

"The Origins of the Acclimatisation Society of Victoria: Practical Science in the Wake of the Gold Rush," by LINDEN GILLBANK. *Historical Records of Australian Science* 6 (1986), 359-374.

"Physics in Australia and Japan to 1914: A Comparison," by R.W. HOME & MASAO WATANABE. *Annals of Science* 44 (1987), 215-235.

"Robert Swinhoe (1836-1877), FRS, FZS, FRGS: A Victorian Naturalist in Treaty Port China," by PHILIP B. HALL. *Geographical Journal* 153 (1987), 37-47.

"The Role of Private Libraries in the Dissemination of Knowledge about Asia in 16th-century Europe," by ROBERT K. O'NEILL. *In Asia and the West: Encounters and Exchanges from the Age of Explorations*, edited by CYRIACK K. PULLAPILLY & EDWIN J. VAN KLEY (Notre Dame, Indiana: Cross Cultural Publications, 1986), pp. 227-308.

"Scholars Amid Squalor," by STANLEY A. FREED, RUTH S. FREED, & LAILA WILLIAMSON. *Natural History* 97(3) (1988), 60-68. On the project to investigate the relationship between the peoples of northeastern Asia and northwestern North America directed by Franz Boas, 1897-1903.

"Science and the 19th-century Ceylon Coffee Planters," by T.J. BARRON. *Journal of Imperial and Commonwealth History* 16 (1987), 5-23.

"The Social Study of Science in Latin America," by HEBE M.C. VESSURI. *Social Studies of Science* 17 (1987), 519-554.

"Thirty Years of Computer Science Developments in the People's Republic of China, 1956-1985," by JOHN H. MAIER. *Annals of the History of Computing* 10 (1988), 19-34.

"Waves of Change: Mechanization in the Pacific Coast Canned-Salmon Industry, 1864-1914," by PATRICK W. O'BANNON. *Technology and Culture* 29 (1988), 21-33.

"Western Chemistry Comes to Japan: A Historical Account," by ISAO SHIHIRA & MICHAEL MCABEE. *Chemical and Engineering News* 66 (31 Oct 88) 26-40.

"The Young Naturalist's Society: From Chess to Natural History Collections," by KEITH R. BENSON. *Pacific Northwest Quarterly* 77 (1986), 82-93.

The *Pacific Circle Newsletter* is the communication medium of the Pacific Circle, organized in 1985 to promote and assist scholarship in the history and social studies of Pacific science.

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