

PACIFIC CIRCLE NEWSLETTER



No. 3

July 1987

PACIFIC CIRCLE NEWS

Newsletter readership continues to grow, as does our Board of Correspondents. This month we welcome Dr. WILLIAM BACKHUYS, president of E. J. Brill Publishers of Leiden and a devotee of the history of malacology. Dr. Backhuys will serve as our correspondent for northern Europe (excluding Britain).

The growth in our readership, coupled with insufficient clerical resources in the editorial office, have delayed the promised directory of Pacific Circle members. With luck, however, it should be included in the next number.

Plans for a December 1987 Pacific Circle Workshop in Honolulu, announced in the last Newsletter, have been postponed, awaiting further news of international funding. We are also disappointed to learn that the Society for the History of Natural History in London has found it necessary to truncate its 1988 Easter Meeting to a single day: March 2?. On the positive side, however, the Pacific theme of the meeting has been retained. Meetings Secretary, Dr. J.A. GIBSON, says that he would be delighted to hear from any individual desirous of presenting a paper on the history of Pacific natural history. His address: The Scottish Natural History Library, Foremount House, Kilbarchan, Renfrewshire, Scotland PA10 2EZ

Meanwhile, we continue to explore strategies for assembling scholars of our far-flung association for its first regular meeting, and we welcome suggestions from members. We are pleased to report that the International Union for the History and Philosophy of Science (IUHPS) has approved a grant to cover initial expenses of organizing the Pacific Circle and planning its meetings.

It is time for the Newsletter to move from the bare mention of new books on Pacific science to actual, if modest reviews. Circle members are encouraged to convey to the editors information about new publications, with names of appropriate reviewers.

PACIFIC CIRCLE CONSORTIUM

Having claimed no great originality in the name of this association, we could not feign surprise in learning of other "Pacific circles." There is already a "Pacific Circle Consortium," concerned with school curriculum development and support in the Pacific, with members in Australia, Canada, Japan, New Zealand, and the U.S.A. The Consortium's Publication News is edited and distributed by BASIL SHAW, Brisbane College of Advanced Education, 130 Victoria Park Road, Kelvin Grove, Queensland 4059, Australia

SOLANDER CELEBRATION

The 253rd anniversary of the birth of Daniel Solander, pupil of Linnaeus and botanist on Cook's first voyage, was commemorated last year at the University of Auckland. A bust of the Swedish naturalist was presented to the University by officials of the Swedish government and Solander's home city of Pitea.

This information comes simultaneously from GARRY J. TEE, editor of a history of science newsletter from the Department of Computer Science, University of Auckland; and from PER TINGBRAND, an amateur historian residing in Pitea. At the Auckland celebration, Tingbrand delivered a paper on "Daniel Solander and the Pacific." He is author of "Daniel Solander, Pitea's around-the-world pioneer," Archives of Natural History, 11 (1984), 489-498; and co-editor (with Christian Gisselquist) of Daniel Solander 1733-1782; Naturvetenskapsman och världsomseglare (Pitea Kommuns Kulturnämnd Skrifter 1, 1985).

OTHER CONFERENCE ANNOUNCEMENTS

The 20. CONGRESSO LATINO-AMERICANO DE HISTORIA DE CIENCIA E TECNOLOGIA has been scheduled for 30 June - 4 July 1988 in Sao Paulo, Brazil. Included will be plenary talks, symposia, panel discussions, communications, exhibitions, etc. Anyone wishing to receive the 2nd announcement (to be mailed out September 1987) should write:

Comissao Organizadora
2.0 CLAHCT Caixa Postal 6063
13.081 Campinas - SP Brasil

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The ANZASS Symposium on the History of Medicine in the Tropics, to be held in Townsville, Queensland, in August 1987, has attracted 13 papers:

- D. DENOON, "The Idea of Tropical Medicine in Papua New Guinea"
- J.T. GRIFFIN, "John Gunther and Medicine in Papua New Guinea"
- L. HARLOE, "Anton Breinl and the Australian Institute of Tropical Medicine"
- T. HULL, "Hygiene Programmes in Colonial Indonesia"
- R. ILETO, "Cholera and Colonialism in the Philippines: the Spanish Period"
- R. SULLIVAN, "Cholera and Colonialism in the Philippines: the American Period"
- E. WYLIE, "Debate on the Causes of Beriberi: Dr. Braddon in Malaya";
- P. BELL, "Goldmining Communities of the 19th Century"
- R. MCGREGOR, "The Debate on Racial Degeneration"
- J. MCGUIRE, "The Fantome Island Leprosarium"
- D. MAY, "Aborigines in the Queensland Cattle Industry"

C.R. MOORE, "Pacific Islanders in the Queensland Sugar Industry;" and L. RIDDETT, "Women in the Northern Territory in the 1930s."

Those interested should write after 1 September to Prof. ROY MACLEOD, Department of History, University of Sydney, Sydney, N.S.W. 2006.

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The third and final circular for the XVth PACIFIC SCIENCE CONGRESS (Seoul, Korea, 20-30 August 1987) has been distributed. Although there will be no history of science symposium during the Congress, there will be several sessions of historical interest. We hope to be able to include abstracts of these sessions in the next Newsletter.

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The August 1987 conference of the AUSTRALASIAN ASSOCIATION FOR THE HISTORY, PHILOSOPHY AND SOCIAL STUDIES OF SCIENCE will be held at Griffith University, Brisbane. Program information is available from: Dr. Richard Yeo, School of Humanities, Griffith University, Nathan, Queensland 4111.

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The AUSTRALIAN BICENTENNIAL will be celebrated by a conference entitled "Terra Australis to Australia," 14-26 August 1988. To be held in Sydney and Canberra, the conference is sponsored by the Australian Academy of the Humanities. Information is available from the conference secretariat, Conventions Department, G.P.O. Box 489, Sydney, N.S.W. 2001

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A BOTANICAL HISTORY SYMPOSIUM on the "Development of Systematic Botany in Australasia" is to be held 25-27 May 1988 at Ormond College, University of Melbourne, under the auspices of the Australian Systematic Botany Society. Convener of the symposium committee is Dr. PHILIP SHORT, National Herbarium of Victoria, Birdwood Avenue, South Yarra, Victoria 3141.

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HISTORY OF PHYSICS MEETING, Physical Society of Japan Autumn Conference, 26-29 September 1987, Tohoku University. For information contact the Physical Society of Japan, Rm 211, Kikai Shinko Building, 3-5-8 Shiba Koen, Minato-ku, Tokyo, 105, Japan.

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A first announcement and call for papers has been issued for an INTERNATIONAL SYMPOSIUM ON THE STUDY OF MAWANGDUI MEDICAL BOOKS, to be held 15-19 June 1988, in Changsha, Hunan, China. Information is available from Mr. BAI HANWEI, Hunan Association for Science and Technology, 1 Dong Feng Road, Changsha, Hunan, P.R.C.

PROJECT FUNDING

The Interpretive Research Program of the NATIONAL ENDOWMENT FOR THE HUMANITIES (U.S.A.) has set a deadline of 1 October 1987 (postmarked), for projects beginning on or after 1 July 1988, and of 1 October 1988 for projects beginning on or after 1 July 1989. Funding is available for up to three years of collaborative research in any field or fields of the humanities. Draft applications

may be sent to the program for staff comments any time up to August 15. In addition to the traditional areas of support (history, literature, philosophy, musicology, art history, archaeology and the social sciences that employ interpretive rather than quantitative methods), the NEH has a category--Humanities, Science and Technology--which supports collaborative research drawing on the theories and methods of the humanities to study current or historical issues in science and technology. Inquiries should be sent to DANIEL JONES or ELIZABETH ARNDT, Interpretive Research Program, Room 318 IR, National Endowment for the Humanities, Washington D.C. 20506

PACIFIC TRAVEL

"Retracing European Voyages of Discovery in the South Pacific," is the title of a 21-day tour under the auspices of the Royal Australian Historical Society. Tour leader is Dr. JAMES WALDERSEE, latterly of the History Department, University of Sydney. The tour begins in June and takes in New Zealand, Honolulu, Los Angeles, Tahiti and the Cook Islands.

RECENT EVENTS

The (U.S.) WEST COAST HISTORY OF SCIENCE SOCIETY held its annual spring meeting on 14 March 1987 at Pomona College, Pomona, California. A special focus of this year's meeting was the history of the earth sciences. Invited talks were given by DONALD B. McINTYRE Pacific (Chairman, Geology Dept., Pomona College), on "The Bicentennial of James Hutton's Theory of the Earth"; and by MOTT GREENE (Honors

Program, University of Puget Sound) on "If the History of Science is the Answer, What is the Question?"

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Photo of Mauna Kea Observatory courtesy of Institute for Astronomy, U. of Hawaii

The 20th anniversary of the establishment of the INSTITUTE FOR ASTRONOMY at the University of Hawaii was marked by an afternoon "Historical Forum" in Honolulu on May 29th. Six panel discussions brought to light the events surrounding the establishment of the Mees Solar Observatory on Mt. Haleakalala (Maui); the 88-inch telescope, the Canada-France-Hawaii telescope, and the NASA infrared telescope at Mauna Kea (Hawaii); and the Institute for Astronomy in Honolulu. Participating in the discussions were JOHN JEFFRIES, founder of the Institute in 1967, and approximately 20 astronomers, engineers and administrators, plus individuals in California, Massachusetts and Paris who were linked by teleconference facilities. All sessions were videotaped for retention in the institute's archives.

The new AUSTRALIAN SOCIETY OF THE HISTORY OF MEDICINE was founded in November 1986 at the Third National Conference on Medical History and Health in Australia. Inquiries may be made to the secretary, HAROLD ATTWOOD, Medical History Unit, University of Melbourne, Parkville, Victoria 3052, Australia. The Society's inaugural meeting will be held in Sydney in January 1989. Further details should be available from Prof. ROY MACLEOD by 1988.

The GRADUATE SCHOOL OF INTERNATIONAL RELATIONS AND PACIFIC STUDIES was established in January 1986, at the University of California, San Diego. The school will offer a Master's Degree in Pacific International Affairs (MPIA), and a Ph.D. in International Affairs in 1988. It seeks to be a "center of excellence for research on economic, political, social, technological, and security issues confronting nations in the Pacific region." Further information about the program is available from: Graduate School of International Relations and Pacific Studies, Q-062, University of California - San Diego La Jolla, California 92093

The University of Sydney has recently inaugurated a RESEARCH INSTITUTE FOR ASIA AND THE PACIFIC. Many conferences and projects are planned. For further information contact Professor M.T. DALY, Department of Geography, University of Sydney, N.S.W. 2006.

The NEEDHAM RESEARCH INSTITUTE moved into its splendid new quarters adjacent to Robinson College, Cambridge, last December. The second issue of the Needham Research Institute Newsletter, edited by MICHAEL LOEWE, appeared

in June; it lists all volumes of Science and Civilization in China published to date and those to appear over the next ten years.

PACIFIC SCIENCE PHILATELY



Inspired by ROY MACLEOD and encouraged by GARRY TEE (University of Auckland), the PCN editorial office has begun a modest collection of postage stamps commemorating the development of science in the Pacific. Information on new or little known issues, or literature pertaining thereto, would be greatly appreciated by the editor.

RECENT PUBLICATIONS

The AUSTRALIAN DEVELOPMENT STUDIES NETWORK, based at Australian National University, publishes a Newsletter plus intermittent Briefing Papers and Symposium Reports pertaining to contemporary economic and technological

development in the Pacific. Inquiries may be made to: PAMELA THOMAS, Australian Development Studies Network, National Centre for Development Studies, The Australian National University, G.P.O. Box 4, Canberra, A.C.T., 2601.

"Pacific Island Focus: An Occasional Journal of Student Research" has recently been announced by the Institute for Polynesian Studies in Hawaii. Articles on Pacific Island subjects may be submitted by both undergraduates and graduate students. Contact: DALE B. ROBERTSON, Editor of Publications, The Institute for Polynesian Studies, Brigham Young University--Hawaii Campus, Box 1979, Laie, Hawaii 96762

Pacific Marine Museums and Data/Research Centers 1985, a 248-page illustrated directory, has been compiled by LYNDALL B. LANDAUER & DONALD A. LANDAUER, for the Institute for Marine Information (Box 91033, Pasadena, California 91109). The Institute also publishes a quarterly Journal of Pacific Marine Museums.

Asian Studies in the Southeast [United States]: A Twenty-five Year Retrospect, edited by KENNETH W. BERGER (Southeast Conference Association for Asian Studies, 1987).

Beyond the Lagoon: a Biography of Charles M Scammon (1825-1911), by LYNDALL BAKER LANDAUER (Pasadena, California: Institute of Marine Information, 1986).

British Oceanographic Vessels, 1800-1950, by A. L. RICE (London: Ray Society, 1986).

Deep-sea Challenge. The John Murray/Mahabiss Expedition to the Indian Ocean, 1933-34, edited by A. L. RICE (Paris: UNESCO, 1986).



Hope's Track, 1791, Joseph Ingraham

The Early Mapping of Hawai'i, by GARY L. FITZPATRICK of the Geography and Map Division of the Library of Congress, has been published by Editions Limited, Honolulu (1986).

An 87-page "Guide to the Archives of the Australian Museum," has been compiled by MICHAEL ORGAN and his associates at the University of New South Wales.

L'Expedition de LaPerouse, 1785-1788: Replique francaise aux voyages de Cook, by CATHERINE GAXIELLO (Paris C.T.H.S., 1984.)

Health, Illness, and Medical Care in Japan: Cultural and Social Dimensions, edited by EDWARD NORBECK and MARGARET LOCK (Honolulu: University of Hawaii Press, 1987).

JOHN WHITE, Surgeon General, Journal of a Voyage to New South Wales, with an introductory study and bibliographical notes by E. CHARLES NELSON (Clarabricken, Ireland: Boethius Press, 1987).

Jupiter Botanicus: Robert Brown of the British Museum is D.J. MABBERLEY's major biography of the botanist who accompanied Matthew Flinder's voyage (London: British Museum [Natural History], 1985).

Malinowski, Rivers, Benedict and Others: Essays on Culture and Personality by GEORGE W. STOCKING, JR (Madison/London: University of Wisconsin Press, 1986).

An Ocean in Mind, by WILL KYSELKA, examines native ways of discovery and knowing, as manifested in Polynesian navigation (Honolulu: University of Hawaii Press, 1987).

The Ocean of Truth: A Personal History of Global Tectonics, by H.W. MENARD (Princeton: Princeton University Press, 1986).

Psychology Moving East: The Status of Western Psychology in Asia and Oceania, edited by GEOFFREY H. BLOWERS and ALISON M. TURTLE, is a collection of 21 essays covering the recent history of psychology in East, South and Southeast Asia, and Oceania (Boulder, Colorado: Westview Press, 1987).

Sir Joseph Banks and the Origins of Science Policy, by A. HUNTER DUPREE (The James Ford Bell Lectures, No. 22; Associates of the James Ford Bell Library, University of Minnesota, 1984).

The Stubborn Earth; American Agriculturists on Chinese Soil, 1989-1937 by RANDALL E. STROSS (Berkeley: University of California Press, 1986).

Technological Development in China, India and Japan: Cross-Cultural Perspectives, edited by ERIC BAARK and ANDREW JAMISON (New York: St. Martin's Press, 1986).

Under the Cloud: The Decades of Nuclear Testing by RICHARD L. MILLER (New York: Free Press, London: Collier Macmillan, 1986).

BOOKS FROM CHINA

Our correspondent from the People's Republic, LI PEI-SHAN, has provided the following translated list of history of science publications appearing in China during 1985-86:

History of the Technology of Ancient Chinese Architecture, edited by the Institute for History of Natural Science, Science Press, 1985. Written by more than 70 authors, the managing editor is ZHANG YU-HUAN. It is rich in materials, photos, and draftings and is the first to emphasize ancient Chinese architectural technology.

A History of Technology of the Ancient Chinese Bridges, chief editor MAO YI-SHENG, Beijing Publishing House, 1986. Emphasizes the classification and structure of bridges in China from ancient times to 1881, the year when the first

modern bridge was constructed for the first railway in China.

Collected Papers on Chinese Metallurgy and Casting, Cultural Relics Publishing House, 1986. Contains 23 papers written by HUA JUE-MING and co-workers.

History of Chinese Optics, by WANG JIN-GUANG and HONG SHEN-HUANG, Hunan Education Publishing House, 1986.

Zhu Zai-Yu, A Prominent Star of Science and Art in the Ming Dynasty, by DAI NIAN-ZU, People's Press, 1986. Zhu Zai-yu was a prince who gave up being emperor to devote himself to the study of mathematics, physics, astronomy, music and the calendar. His creative work on twelve scales in music is well-known.

Studies On the History of Ancient Chinese Chemistry, edited by ZHAO KUANG-HUA, Peking University Press, 1985. An assemblage of 54 papers from various journals.

A Brief History of Chinese Traditional Medicine, by FAN ZING-ZHUN, Ancient Chinese Medical Book Press, 1986.

Collected Papers on the Study of Li Shih-chen (1518-1593), edited by the China Society of Pharmacology, Society of History of Pharmacology, Hubei Science and Technology Publishing House, 1985.

A History of 20th Century Science and Technology, Science Press, 1985. A collective work of the History of Modern Science Division, Institute for History of Natural Science; edited by XU LIANG-YIN, LI PEI-SHAN and ZHANG ZHONG-JING.

Niels Bohr, His Life, Work and Thought, by Ge Ge, Shanghai People's Press, 1985.

Carl Schorlemmer, by PAN JI-XING, Liaoning Book Publishing House, 1986. Schorlemmer was a 19th-Century German-born organic chemist, a friend of Marx and Engels.

Xu Shou and Modern Chemistry in China, by YANG GEN, Document of Science and Technology Press, 1986. Xu Shou (1818-1884), a scientist of the late Qing Dynasty, made great contributions toward the introduction of modern chemistry in China.

A Brief History of the Development of Electric Technology, by HUANG XI, Hydraulic Engineering and Electricity Press, 1986.

Sixty Years of Modern Physiology in China, 1926-1986, edited by WANG ZHI-JUN and CHEN MENG-QIN, Hunan Education Publishing House, 1986. In three parts: a retrospect of the foundation of the Chinese Society of Physiology, 1926-1986; an introduction to the development of different fields of physiology in China; and biographies and memoirs of 33 well-known Chinese physiologists.

The Collected Papers for the Centenary of the Death of Gregor Mendel, edited by the Chinese Society of Genetics, Science Press, 1985. 35 papers by Chinese geneticists, some dealing with the history of genetics, including the development of modern genetics in China.

A Hundred Schools Contending - the Road That Must Be Followed in the Development of Science, edited by LI PEI-SHAN, MENG QING-ZHE, HUANG QING-HE and HUANG SHUN-E, Commercial Press, 1985. On Lysenkoism in China, containing the proceedings of a genetics conference held Qingdao, China in 1956, and other source materials.

And the following were published by Hunan Science and Technology Publishing House, 1985:

Biographies of Contemporary Chinese Physicians, Vol. 1, chief editor, HUANG HIA-AI. Contains biographies of 24 physicians and medical scientists.

Biographies of Contemporary Chinese Biologists, Vol. 1, chief editor, TANG JIA-ZHEN. Articles on 33 biologists.

Biographies of Contemporary Chinese Agricultural Scientists, Vol. 1, chief editor, JIN SHAN-BAO. Covers 58 agricultural scientists.

PUBLICATIONS FROM JAPAN

MORRIS LOW at the University of Sydney has provided the following list of Japanese works:

Committee for the Compilation of Materials on Damage Caused by the Atomic Bombs in Hiroshima and Nagasaki (transl. by EISEI ISHIKAWA and DAVID L. SWANN), The Impact of the A-bomb, Hiroshima and Nagasaki, 1945-85 (Tokyo: Iwanami Shoten, 1985).

MITUO TAKETANI, Shiso o oru (The Interweaving of Ideas - autobiography in Japanese); Tokyo: Asahi Shinbun-sha, 1985).

SIN-ITIRO Tomonaga, Collected Works Supplement Vol I: Poised to Learn (in Japanese, transcripts of discussions and bibliography); Tokyo: Misuzu Shobo, 1985).

SIN-ITIRO TOMONAGA, Collected Works, Supplement Vol. II: [German] Diary and Correspondence (in Japanese); Tokyo: Misuzu Shobo, 1985)

TETSUJI NISHIKAWA, "Search for the Quark" (in Japanese), Nishina Foundation (Tokyo) Publication No. 25 (1986).

YOICHIRO NAMBU, "Are Elementary Particles 'Particles'?" (in Japanese), Nishina Foundation Publication No. 26 (1986). Japan Society for the Promotion of Science, "Special Feature: Thirty Years of Antarctic Observation," (in Japanese), Gakujutsu Geppo (Japanese Scientific Monthly), vol. 39, no. 12 (Dec 1986), 6-36.

OTHER RECENT ARTICLES

Volume 21 of The Journal of Pacific History (1987) is devoted to "Contemporary Issues in the Pacific." Among its articles are "The Nuclear Issue in the Pacific Islands," by STEWART FIRTH; and "Reflections on Pacific Island Agriculture in the late 20th Century," by R. GERARD WARD.

"An Austrian Gentleman Gardener in the Swan River Colony," by SOPHIE C. DUCKER. The Australian Garden Journal 3 (1984), 94-96. On Karl Alexander von Hügel (1794-1870).

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

"Plagues and Pestilence in Polynesia: the 19th-century Cook Islands Experience," by RAEBURN LANGE. Bulletin of the History of Medicine, 58 (1984), 325-346

"Alternative Social Darwinism in an Australian Context, 1898-1914," by JOHN LAURENT. Metascience 3, (1986).

"Sixteenth Century Accounts of the Fauna and Flora of the Solomon Islands," by R. A. LEVER. Archives of Natural History 13, (1986), 71-77.

"Astronomy and Imperialism: J.A.C. Oudemans, the Topography of the East Indies, and the Rise of the Utrecht Observatory, 1850-1900," by LEWIS PYENSON. Historia Scientiarum 26 (1984), 39-81.

"History of Science in Latin America," by JUAN JOSE SALDANA. History of Science in America, News and Views, 4, no. 3 (May/June 1987), 1-4.

"Environment, Economy, and Australian Biology, 1890-1939," by C.B. SCHEDVIN. Historical Studies 28 (1984), 11-28.

"Pacific Ocean Resources, Science and Law of the Sea: Wilbert M. Chapman and the Pacific Fisheries, 1945-70," by HARRY N. SCHEIBER. Ecology Law Quarterly 13, (1986), pp. 381-534

"Geological Surveys, Mineral Discoveries, and British Expansion, 1835-71," by ROBERT A. STAFFORD, Journal of Imperial and Commonwealth History, 12 (3) (1984), 5-32.

CATALOGS

"The Far East, the Pacific, the Americas" is the title of Catalogue 1064 from Bernard Quaritch Ltd., London.

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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.

The Newsletter is distributed free of charge twice a year. Subscription requests should be sent to:

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Items to be included in the next issue should reach the editor by 1 December 1987.

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