

PACIFIC CIRCLE NEWSLETTER



No. 4

February 1988

PACIFIC CIRCLE NEWS

Developments in the history and social studies of Pacific science continue apace. The Society for the History of Natural History (U.K.) is devoting this year's Easter Meeting to "Landfall in Unknown Seas: Themes in the Discovery of Australian and Pacific Natural History." A seminar on "Nationalism and Internationalism in Science: Australia, America and the World of Science" is to be held in Melbourne this May. Plans for the 17th Pacific Science Congress, to take place in Honolulu in 1991, include a symposium on the history of Pacific science. And the collected papers of the Pacific Circle's inaugural symposium "Western Science in the Pacific" (Berkeley, 1985) will soon be published. These events and others are covered in detail below.

Meanwhile, we sadly record the passing of three Pacific science scholars. SIR CHARLES FLEMING, former director of the Geological Survey of New Zealand and a devotee of the history of geology and of New Zealand contributions to science, died at his home in Auckland in September, shortly after the publication of his book *Scientists, Settlers and Scholars*. DR. CHARLES JUDD, Honolulu physician and revered professor of medical history at the University of Hawaii's John A. Burns School of Medicine, passed away in July. And PROFESSOR OSWALDO CORI, Professor of Biochemistry at the Universidad de Chile, Santiago, and our correspondent for Chile, died during the summer.

We are pleased to announce that Academician V.I. ILYICHEV, President of the Far Eastern Branch of the USSR Academy of Sciences, will serve as our correspondent for the Soviet Union. And we welcome as our correspondent for Korea DR. PARK SEONG-RAE of the Hankuk University of Foreign Studies in Seoul.

CALL FOR PAPERS

The **XVII International Congress of the History of Science** is scheduled for 1-9 August 1989. The congress will begin in Hamburg and conclude in Munich, West Germany. The theme of the congress is "Science and Political Order" (*Wissenschaft und Staat*). Preliminary planning is underway for a Pacific symposium, with sessions devoted to: "Politics and Pacific Science," "Oceanography and Marine Biology in the Pacific," and "Darwinism and Pacific Geology." Anyone wishing to contribute a paper on one of these themes, or on any other Pacific-related theme, is urged to communicate with Fritz Rehbock or Roy MacLeod as soon as possible.

AWARDS AND APPOINTMENTS

DR. DAVID R. STODDART has received the Herbert E. Gregory Medal, awarded in August 1987 at the 16th Congress of the Pacific Science Association. The Gregory Medal is awarded by the trustees of the Bishop Museum, Honolulu, for outstanding achievement in Pacific science. Dr. Stoddart, of Cambridge University, has recently been appointed chairman of the Department of Geography at the University of California, Berkeley. He has published widely on island geography and biogeography, the history of geography, and the history of Darwinian geology. Among his recent works is On Geography (Basil Blackwell, 1986).

MARCUS CUETO, a graduate student at Columbia University, was this year's recipient of the Schuman Prize, awarded by the History of Science Society. His prize-winning essay was entitled "Excellence, Institutional Continuity, and Scientific Styles in the Periphery: Andean Biology in Peru."

PROFESSORS HO PENG YOKE and NATHAN SIVAN have been appointed Visiting Associate Directors of the Needham Research Institute in Cambridge. Supervision of Science and Civilization in China continues under JOSEPH NEEDHAM and LU GWEI-DJEN.

COLLABORATORS SOUGHT

A "Readers' Guide" to Abraham Rees's Cyclopaedia, is being assembled by a small British-American ad hoc group, headed by PROF. JUNE Z. FULLMER. The guide is to include: biographical notes on the contributors to this multi-volume 19th-century work; a discussion of the major articles; an analytical subject index; and chapters on the printing and publishing history of both the English and American editions. Because the Cyclopaedia is so comprehensive, collaborators from many fields, including the humanities, the sciences, medicine, the arts and technology can be accommodated in areas coinciding with their

scholarly interests. Much material on the Pacific islands was included in the Cyclopaedia.

For further details, write to Prof. Fullmer at: Department of History, Dulles Hall, Ohio State University, Columbus, Ohio 43210



JOSEPH NEEDHAM and LU GWEI-DJEN standing before the recently completed East Asian History of Science Library, Cambridge, U.K.

FORTHCOMING CONFERENCES

"Science and Technology" will be among the numerous topics addressed at the **Australian Historical Association's** Bicentennial Conference, "The Making of Nations." The conference will be held at the University of Sydney, 8-13 February 1988. Additional information available from DR. K.K. MACNAB, Department of History, University of Sydney, Sydney, N.S.W. Australia, 2006.

"Landfall in Unknown Seas: themes in the discovery of Australian and Pacific natural history," is the title of a one-day meeting of the **Society for the History of Natural History**, to be held at the Geological Museum, London, on Friday, 18 March 1988. Meeting organizer is

DR. DAVID GALLOWAY, Botany Dept., British Museum (Natural History). Papers to be presented include:

- CDR A.C.F. DAVID, "The opening of the Pacific: European navigators and explorers"
 DR. D.J. GALLOWAY, "The making of a colonial flora: Joseph Hooker and New Zealand botany"
 DR. MICHAEL OSBORNE, "'Cultivating a small sin': Charles de Montigny as naturalist-diplomatist in Asia"
 MR. J. MAGGS, "Australian books and their collectors"
 DR. E.C. NELSON, "'Genius in botany'--botanical artists in Australia 1788-1794"
 MR. P.F. DAVIS, "'Related to nothing we have hitherto seen'--the reaction of scientific societies in Britain to Australian natural history as revealed through their museum collections."

The **ANZAAS 1988 Centenary Congress**, one of the many events scheduled in celebration of Australia's bicentennial, will be held in Sydney, 16-20 May 1988. The central theme of the congress is to be "What Use - Science and Technology?" Additional information is available from MR. B. O'ROURKE, 1988 ANZAAS Centenary Congress, 118 Darlington Road, University of Sydney, N.S.W., Australia, 2006.

"Nationalism and Inter-nationalism in Science: Australia, America and the World of Science" is the theme of a seminar scheduled for 22-26 May 1988 in Melbourne. This meeting follows the ANZAAS conference in Sydney, and is intended as a sequel to the 1981 seminar, "Scientific Colonialism, 1800-1930." Organizers are PROF. SALLY GREGORY KOHLSTEDT (Syracuse University), DR. MARC ROTHENBERG (Smithsonian Institution), and PROF. ROD HOME (University of Melbourne).

A Botanical History Symposium, "The Development of Systematic Botany in Australasia," will be held by the **Australian Systematic Botany Society** at Ormond

College, University of Melbourne, 25-27 May 1988. The convenor is DR. PHILIP SHORT, National Herbarium of Victoria, Birdwood Ave., South Yarra, Victoria, Australia 3144

"Terra Australis to Australia" is the Bicentennial conference sponsored by the **Australian Academy of the Humanities**. It will take place in both Sydney and Canberra, 14-26 August 1988. For further information: Australian Academy of the Humanities, G.P.O. Box 93, Canberra, A.C.T., Australia, 2601

The **17th Pacific Science Congress** will be held in Honolulu in May 1991. The theme of the Congress will be "Toward the Pacific Century: The Challenge of Change." Co-hosts will be the Bishop Museum (celebrating its centennial in 1991), the University of Hawaii and the East-West Center. A historical symposium is planned, with emphasis on the various ways in which Pacific island and rim cultures have been influenced by the introduction of science and technology. Suggestions for session topics or individual papers should be submitted to Fritz Rehbock, who will coordinate the symposium; or to the congress secretary-general, PROFESSOR NANCY D. LEWIS, Dept. of Geography, University of Hawaii, Honolulu, Hawaii, 96822

A **Vancouver Conference on Exploration & Discovery** will be hosted by Simon Fraser University in April 1992. This international, interdisciplinary conference commemorates the arrival of Captain George Vancouver on the Pacific Northwest coast of North America in 1792. Inquiries should be sent to PROF. HUGH JOHNSTON, Director, Vancouver Conference, Department of History, Simon Fraser University, Burnaby, British Columbia, Canada V5A 1S6.

RECENT CONFERENCES

A two-day conference on "Major Issues in Development Studies in Australia" was held

in November at Monash University, Clayton, Victoria. The conference, funded by the Australian Development Studies Network, was the first in Australia to consider the current and future role of development studies in Australian educational institutions. Further information is available from *Network* newsletter editor Pamela Thomas, Australian Development Studies Network, National Centre for Development Studies, Australian National University, GPO Box 4, Canberra, ACT, Australia, 2601

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A **Colonial Science Club**, a gathering sponsored by the Royal Australian Historical Society for members of the public interested in the history of 19th- and 20th-Century Australian science, technology and medicine, held its inaugural meeting in Sydney in June 1987. The Club meets bi-monthly. Additional information is available from MS. BETH NEWLAND, 26 George St. Yowie Bay, N.S.W., Australia 2228.

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The Winter meeting of the **British Society for the History of Science**, 7-8 January, was devoted to a conference on "Anglo-Australian Science 1788-1988." It was sponsored by the Royal Institution's **Centre for the History of Science and Technology** and the **Royal Society's Committee for Science, Technology, Industry and Medicine**.

The following papers were presented:

HAROLD B. CARTER, "Sir Joseph Banks and the Dawn of Science in the Pacific"
 DR W A SMEATON, "French Scientific Expeditions to Australia in the Eighteenth Century: La Perouse (1788) and D'Entrecasteaux (1792-3)"
 DR IAN INKSTER, "Intellectual Dependency and the Sources of Invention: Britain and the Australian Colonies in the Nineteenth Century"
 PROFESSOR ROY MACLEOD, "'The Arsenal in the Strand': The Australian Chemical Workers in the British Munitions Effort 1916-1918"
 PROFESSOR DAVID FENBY, "British Influences on New Zealand Science in the Nineteenth Century"
 DR. GARRY J. TEE, "Mathematics in the Pacific Basin"

DR. DEREK A. DOW, "An Anglo-American Gynaecologist and other Unobtrusive Persons ? Scottish Medical Men in Australia"
 PROFESSOR A.M. LUCAS, "Von Mueller's Work in Australia"
 DR. D.R. STODDART, "Jukes and the *Fly* expedition"
 PROFESSOR R.W. HOME, "Physics and Geophysics in Nineteenth-Century Australia"
 PROFESSOR ALAN MACCOLL, "Australian Chemists in London, 1920-1988";
 DR. TREVOR WILLIAMS, "Lord Howard Walter Florey"
 LORNA ARNOLD, "Anglo-Australian Atomic Bomb Collaboration"
 PROFESSOR WOODRUFF T. SULLIVAN III, "From Radar to Galaxies: the Development of Radio Astronomy in Australia"
 DR. N.K. BOARDMAN, "The Current Scientific Relationship between Britain and Australia."

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Possibly the first of the conferences to celebrate the 1988 Australian bicentennial, however, was the Liverpool meeting of the **Society for the History of Natural History**, 26 September 1987. Speakers included: JOHN EDMONSON, on the Australian collections in the J.E. Smith Herbarium at Liverpool; CHARLES NELSON, on the life and work of John White (ca.1756-1832); S.J. WOOLFALL, on the Knowsley Aviary and Menagerie assembled by Edward Stanley, Earl of Derby; DR. LARGEN, on the bird specimens of William Bullock's Leverian Museum (many from Cook's second and third voyages); and MISS FISHER, on the natural history collections of John Gilbert (1812-1845). In addition, an exhibition "Australia 1788: a mine of botanical novelty" had been mounted at the Natural History Centre of the Liverpool Museum.

RESEARCH RECENTLY COMPLETED

JAMES A. GILLESPIE completed a research project last summer at the Rockefeller Archive Center, entitled "The Rockefeller Foundation, Public Health, and Medicine in Australia and the Pacific, 1910-1950." His report appears in the summer 1987 *Newsletter* of the Center.

R.A. STAFFORD, "The Role of Sir Roderick Murchison in Promoting the Geological Exploitation of the British Empire, 1855-1871." D.Phil. thesis, Oxford University. Supervisor: C.W. NEWBURY.

FARADAY CORRESPONDENCE

It has been decided to prepare an edition of the complete correspondence of Michael Faraday. This project is supported by the Institution of Electrical Engineers and will be carried out by DR. FRANK JAMES at the Royal Institution of Great Britain.

To make this edition as complete as possible, anyone possessing letters to or from Faraday or knowing of their location is asked to contact Dr. James, RICHST, Royal Institution, 21 Albemarle St., W1X 4BS, England.

NEW JOURNAL

The **Pacific Circle Consortium** (see *Newsletter* #3, p.2) issued the first number of its journal, *Public Education*, in the fall of 1987. Subscriptions are available from Pacific Educational Press, Faculty of Education, The University of British Columbia, Vancouver, BC, V6T 1Z5, Canada.

NEW NEWSLETTER

The **Centre for South Pacific Studies** of the University of New South Wales issued the first number of its monthly *Newsletter* in September, 1987.

The **Centre** sponsors Study Programmes, scholarships and visiting associateships on: Culture & Politics, Economic Development and Business, Health and Consumer Issues, Law, the Position of Women, and South Pacific Arts.

The **Centre** hopes in the future to distribute Pacific information by Electronic Bulletin Board (EBB) and videodisc. Additional information is available from GRANT MCCALL, School of Sociology, University of New South Wales, Kensington, N.S.W., Australia, 2033.

FORTHCOMING BOOKS

Australian Science in the Making, the bicentennial history of Australian science edited by PROF. ROD HOME, will be available early this year. It is being published jointly by the Australian Academy of Science and Cambridge University Press.



'*Nature in its Greatest Extent*': *Western Science in the Pacific*, edited by Roy MacLeod and Philip F. Rehbock, will be published in April by the University of Hawaii Press. Contributors include:

- O.H.K. SPATE, "Seamen and Scientists: The Literature of the Pacific, 1696-1798"
- ALAN FROST, "Science for Political Purposes: European Explorations of the Pacific Ocean, 1764-1806"
- ISABEL OLLIVIER, "Pierre-Adolphe Lesson, Surgeon-Naturalist: A Misfit in a Successful System"
- MIRANDA HUGHES, "Tall Tales or True Stories? Baudin, Peron, and the Tasmanians, 1802"

DAVID G. FRODIN, "The Natural World of New Guinea: Hopes, Realities, and Legacies"

BARRY W. BUTCHER, "Darwin's Australian Correspondents: Deference and Collaboration in Colonial Science"

ROY MACLEOD, "Imperial Reflections in the Southern Seas: The Funafuti Expeditions, 1896-1904"

PHILIP F. REHBOCK, "Organizing Pacific Science: Local and International Origins of the Pacific Science Association"

HARRY N. SCHEIBER, "Wilbert Chapman and U.S. Pacific Ocean Science Policy, 1945-1951"

ROBERT H. RANDOLPH and JOHN E. BARDACH, "Soviet Science in the Pacific: The Case of Marine Biology."

The Commonwealth of Science: ANZAAS and the Scientific Enterprise in Australasia, 1888-1988, edited by ROY MACLEOD will be published by Oxford University Press in May 1988.

Contributors include:

ROY MACLEOD, "Organizing Science under the Southern Cross" and "From Imperial to National Science"

JAMES DAVENPORT, "The Impulse of Science in Public Affairs, 1945-86"

LINDEN GILLBANK, "The Life Sciences: Collections to Conservation"

DAVID BRANAGAN and THOMAS VALLANCE, "The Earth Sciences: Searching for Geological Order"

R.W. HOME, "The Physical Sciences: String, Sealing Wax and Self-Sufficiency"

IAN D. RAE, "Chemists at ANZAAS: Cabbages or Kings?"

D.J. MULVANEY "Australasian Anthropology and ANZAAS: 'Strictly Scientific and Critical'"

ALISON TURKLE, "Education, Social Science and the 'Common Weal'"

J.M. POWELL, "Protracted Reconciliation: Society and The Environment"

BRUCE DAVIDSON, "Developing Nature's Treasures: Agriculture and Mining in Australasia"

JOHN POWLES, "Professional Hygienists and the Health of the Nation"

RON JOHNSTON, "Social Responsibility of Science: The Social Mirror of Science"

E.L. WHEELWRIGHT and G. GROUGH, "The Political Economy of Technology"

SOL ENCEL, "Technology, Employment and Post-Industrial Society"

The Charts and Coastal Views of Captain Cook's Voyages, The Voyage of the Endeavour, 1768-1771, chief editor ANDREW DAVID. Extra Series Vol. 43 (London: The Hakluyt Society, anticipated February 1988).

RECENT BOOKS

Academic and Scientific Traditions in China, Japan, and the West, by SHIGERU NAKAYAMA (Tokyo: University of Tokyo Press, 1984).

Catalogue of the Natural History Drawings Commissioned by Joseph Banks on the Endeavour Voyage, 1768-1771, Held in the British Museum (Natural History). Part 3: Zoology, by ALWYNE WHEELER. Bulletin of the British Museum (Natural History) Historical Series, 13 (London: British Museum [Natural History], 1986).

The Eye of Reason: Charles Darwin in Australasia, by JOHN LAURENT and MARGARET CAMPBELL (Wollongong, N.S.W.: University of Wollongong Press, 1987)

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

Guide to Sources in Northern California for History of Science and Technology, by ROBIN E. RIDER and HENRY E. LOWOOD (Berkeley: Office for History of Science and Technology, University of California, 1985).

The Hall of Heavenly Records: Korean Astronomical Instruments and Clocks, 1380-1780, by JOSEPH NEEDHAM, LU GWEI-DJEN, JOHN H. COMBRIDGE, AND JOHN S. MAJOR (Cambridge/London/New York: Cambridge University Press).

The Self-made Anthropologist: A Life of A.P. Elkin, by TIGGER WISE (Sydney: Allen & Unwin, 1985).

Two Voyages to the South Seas, by Dumont d'Urville, translated and edited by HELEN ROSEMAN (Melbourne: Melbourne University Press).

RECENT ARTICLES

"Chinese Curiosi: Nineteenth Century Examples of the East-West Titration," by SIMON S. BROOK. *Journal of the Royal Society of Medicine* 78 (1985), 945-948.

"Savages, Noble and Otherwise, and the French Enlightenment," by MICHELLE BUCHANAN. *Studies in 18th-Century Culture* 15 (1986), 97-109.

"Smallpox in Aboriginal Australia: the early 1830s," by JUDY CAMPBELL. *Historical Studies* 21 (1985), 336-358.

"Historia de la ciencia y la tecnología en el Perú. Una aproximación bibliográfica," by MARCUS CUETO. *Quipu* 4 (1987),

"South Pacific Plants Named by K.P.J. Sprengel in 1807," by P.J. GARNOCK-JONES. *Taxon* 35 (1986), 123-171.

"Scientific Enterprise and the Colonial 'Model': Observations on the Australian Experience in Historical Context," by IAN INKSTER. *Social Studies of Science* 15 (1985), 677-704.

"Andreas Reischek and the Maori: Villainy or the Nineteenth-Century Scientific Ethos?" by ERICH KOLIG, *Pacific Studies* 10 (1986), 55-78.

"Darwin's Coral Reef Research: A Review and Tribute," by DIETRICH H.H. KUHLMANN. *Marine Ecology* 3 (1982), 193-212.

"Changes in Rarotongan Attitudes toward Health and Disease: Historical Factors in the Development of Mid-Twentieth-Century Understanding," by RAEBURN LANGE. *Pacific Studies* 10 (1986), 29-53.

"History of Modern Science and Technology in the People's Republic of China," by LI PEI-SHAN. *Isis* 76 (1985), 366-370.

"The Early History of the Anglo-Australian 150-inch Telescope (AAT)," by BERNARD LOVELL. *Quarterly Journal of the Royal Astronomical Society* 26 (1985), 393-455.

"The Scientific Life of William Scoresby Jnr, with a Catalogue of his Instruments and

Apparatus in the Whitby Museum," by ANITA MCCONNELL. *Annals of Science* 43 (1986), 257-286.

"Derek Freeman and Samoa: the Making and Unmaking of a Biobehavioral myth," by ALLAN PATIENCE and JOSEPH WAYNE SMITH. *American Anthropologist* 88 (1986), 157-162.

"La Organización de la expedición al Pacífico en 1862. Un Proyecto Político-científico para articular el sistema colonial español," by MIGUEL ANGEL PUIG-SAMPER. *Quipu* 3 (1986), 335-348.

"The Zoological Notes by Johann Reinhold and George Forster Included in Buffon's *Histoire Naturelle* (1782)," by L.C. ROOKMAAKER. *Archives of Natural History* 12 (1985), 203-212.

"James Cook's Scientific Programme in the Southern Ocean, 1772-75," by M.J. RUBIN. *Polar Record* 21 (1982), 33-49.

"A Directory of Scholars in East Asia Engaged in Research on Traditional Chinese Science," by NATHAN SIVIN AND SHIGERU NAKAYAMA. *Chinese Science* 6 (1983), 33-58.

"La Investigación oceanográfica en el Perú desde Humboldt a nuestros días," by MANUEL VEGAS VELEZ. *Kuntur, Peru en la Cultura* 3 (1987), 11-21.

"Semblanza Histórica de la Facultad de Pesquería de la Universidad Nacional Agraria la Molina," by MANUEL VEGAS VELEZ. *Universidad Nacional Agraria La Molina* (Lima, Peru), Facultad de Pesquería, *Boletín* No. 26.

"The Search for a Scientific Community in Venezuela: From Isolation to Applied Research," by HEBE M.C. VESSURI. *Minerva* 22 (1984), 196-235.

"The Mesoamerican Rabbit in the Moon: An Influence from Han China," by CHARLES R. WICKE. *Archaeoastronomy* 7 (1984), 46-55.

"The Intensive Study of a Restricted Area: Or, Why Did Malinowski Go to the Trobriand Islands?" by MICHAEL W. YOUNG. *Oceania* 55 (1984), 1-26.

CATALOGS RECEIVED

"Australia, the Pacific and South East Asia,"
catalogs 168, 169, 176, from Serendipity Books
Antiquarian Booksellers, P.O. Box 340,
Nedlands, W.A. 6009, Australia

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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Similarly, subscription requests should be sent to:

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