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PACIFIC CIRCLE NEWS

Your Pacific Circle officers have begun early preparations for a Pacific symposium at the **XXth International Congress of History of Science**, to take place at the University of Liège, Belgium, 25-30 July 1997. Sessions are being planned on:

Museums of the Pacific
Exploration and Natural History of the North Pacific
Astronomy in the Pacific
Science in Japan

Suggestions of papers that might fall within any of the above topics, as well as proposals for other Pacific sessions, are now solicited and should be communicated to either ROY MACLEOD (Department of History, University of Sydney) or FRITZ REHBOCK (Department of History, University of Hawaii).

The general theme of the congress is "Science, Technology and Industry." The first circular is scheduled to appear in September of this year. To be placed on the congress mailing list, write:

Congress Office, Centre d'Histoire des Sciences et des Techniques
Université de Liège, Avenue des Tilleuls 15
B-4000 Liège, Belgium
Fax: (32-41) 66-95-47



The Circle would be pleased to sponsor one or more sessions on Pacific topics at the **Third British-North American Joint Meeting** of the Canadian, American and British history of science societies, to be held in Edinburgh, Scotland, 23-26 July 1996. Please convey your suggestions to ROY MACLEOD. For details of this conference, see page 6.



"Natural History Field Practice, at Home and Abroad," is the title of a Pacific Circle-sponsored session at the **History of Science Society's** annual meeting, Minneapolis, Minnesota, 26-29 October 1995. Inquiries:

Sandra Herbert, Department of History
University of Maryland—Baltimore County, Baltimore, MD 21228, USA
Phone: (410) 455-2049



Qingdao, China has been chosen as the site of the **VIth International Congress on the History of Oceanography** in 1998. The organizer of the congress is PROFESSOR WU BAOLING of the First Institute of Oceanography, State Oceanic Administration, PRC. The Circle will serve as a co-sponsor. More information will be available in the next newsletter.

The Pacific Circle Annual Report for 1994 is now available. Anyone wishing a copy should drop a request to Editor-Treasurer Fritz Rehbock.

**CONGRESSES, CONFERENCES,
AND
CALLS FOR PAPERS**

7-9 April 1995. The Third Public Interest Science Conference, investigating questions of social and environmental concern, will be held at the University of Oregon. This conference will bring together scientists, activists, lawyers, and interested citizens to explore the opportunities for, and the barriers to, pursuing work on social and environmental issues with an emphasis on science in the decision and policy making process. Keynote addresses include: "Maintaining Scientific Integrity and (Hopefully) the Rest of One's Life" by COLE CROCKER-BEDFORD, and "The Company of Wolves" by PETER STEINHART. Sponsors include: C.S. Mott Foundation, Flint, Michigan; Institute for a Sustainable Environment, and University of Oregon students, faculty, and staff. For complete conference description and registration information and other inquiries, contact:

PISC c/o Susan Shannon or David Butcher
Department of Biology
University of Oregon
Eugene, OR 97403, USA
Phone: (503) 346-2797
E-mail: pisc@darkwing.uoregon.edu

10-21 April 1995. "T.H. Huxley: Victorian Science and Culture," an international conference organized by the **British Society of the History of Science** and the **Imperial College of Science, Technology and Medicine** will be held in the Huxley Building at Imperial College in London. The purpose of this meeting is to commemorate the life and work of T.H. Huxley on the occasion of the centenary of his death. Deadline to turn in interest forms was **1 December 1994**. Inquiries:

Dr. David Edgerton
History of Science & Technology
Sherfield Building, Imperial College
London, SW7 2AZ, UK
Phone: 0171 594 9354
Fax: 0171 594 9353

or

BSHS Executive Secretary
31 High Street, Stanford in the Vale
Faringdon, Oxon, SN7 8LH, UK
Phone & Fax: 01367 718963

19-21 May 1995. "Contexts of Victorian Science" is the theme of a conference to be held at York University, Toronto,

Canada. The focus will be on social and cultural contexts of science in England from about 1830 to 1900, with emphasis on how they shaped definitions of knowledge, the practice of science, and the communication of science to diverse audiences. For a brochure, contact:

Professor Bernard Lightman
S932 Ross
Office of the Dean of Arts
York University
4700 Keele Street
North York, Ontario, Canada M3J1P3
E-mail: lightman@vm2.yorku.ca

29 May-3 June 1995. The conference "Einstein Meets Magritte: An Interdisciplinary Reflection on Science, Nature, Human Action and Society" will be held to mark the 25th anniversary of the Vrije Universiteit Brussel in Brussels, Belgium. There are two basic attitudes people take toward the increasing speed at which science and technology pushes our world—a relativistic one and one that focuses on unification. The aim of the conference is to gather scholars from different domains to set up a dialogue between the above attitudes and integrate the more relevant insights of both into a new perspective on global change. "Do we have to oppose life 'within object' (the conscious ordering of the physical and social world, symbolized in 'Einstein') to a form of life 'beyond object' (symbolized in the imagery of Magritte)?"

Inquiries:

Einstein Meets Magritte
TENA
Vrije Universiteit Brussel
Pleinlaan 2
1050 Brussels, Belgium
E-mail: einmag@vub.ac.be

or

in the WWW at:

<http://pespmc1.vub.ac.be/conf/einmagAN.html>

3 June 1995. "Writing Scientific Biographies" is the title of a one-day conference of the **British Society for the History of Science**, to be held at King's College, London.

Inquiries:

BSHS Executive Secretary
31 High Street
Stanford in the Vale
Faringdon, Oxon SN7 8LH, UK

8-10 June 1995. An interdisciplinary conference, "Knowledge Tools for a Sustainable Civilization," will be held at Ryerson Polytechnic University, Toronto, Ontario, Canada. Its purpose is to find, create, and promote knowledge tools needed in achieving a sustainable society, and to establish action priorities and call for action.

Proposed themes include "Global and Long Term Issues," "The Individual's, and the Corporation's, and the Nation's Means to Further the Common Good," "Sustainability and the Sciences: Systems Science, Natural and Engineering Sciences, Ecological and Social Sciences," "Contributions of the Arts and the Humanities, of Philosophy and Religion to a Sustainable Society," "The Role of Education, the Media, Communication and Information Technology," and "Sustainability and the Economy, Industry, International Trade."

All those with an interest in effective utilization of knowledge, and in global, interdisciplinary, and long-term issues are encouraged to participate. Teachers and conference participants are invited to participate in a session on: "K-12 Curriculum and the Sustainable Future?" on Saturday, 10 June. One-page abstracts of papers were due by 15 March. Inquiries:

H. Burkhardt
 Department of Physics
 Ryerson Polytechnic University
 350 Victoria Street
 Toronto, Ontario, Canada M5B 2K3
 Phone: (416) 979-5000 ext. 7246
 Fax: (486) 979-5064
 E-mail: burkhard@acs.ryerson.ca

15-18 June 1995. The International Society for the Comparative Study of Civilizations will hold its 24th Annual Meeting at Wright State University, Dayton, Ohio. Themes for papers and panels include: "Origins of Civilization Reconsidered: Was Civilization a Mistake?" "Paradigms of Civilization, Methods of Analysis, and Canons of Evidence—A Re-examination of Fundamentals," "Intracivilizational Connectivities," "Civilizational Symbols and Forms: Science and Civilization," "The Role of Geography; Ethnocentrism; Regional Culture; National Culture; Globalization," "Differing Civilizational Views of Past and Future," "The Present as a Civilizational Turning Point: The Civilization(s) of the 21st Century." Roundtable/workshop themes include, "Digital Confluence and What it Signifies," "Seminal Authors and Ideas," and "Virtual Wars." Inquiries:

Prof. Corinne Gilb
 19 Selby Lane
 Atherton, CA 94027, USA
 Phone: (415) 299-9241
 Fax: (510) 652-7849

16-18 June 1995. "Science and Civility" will be the topic of a summer school workshop at Jemby Rinjah Lodge, Blue Mountains, New South Wales. The workshop is designed to explore themes in Steven Shapin's recent

**Darwin's Laboratory
 Evolutionary Theory
 and Natural History
 in the Pacific**

*Edited by Roy MacLeod
 and Philip F. Rehbock*



No scientific traveler was more influenced by the Pacific than Charles Darwin, and his legacy in the region remains unparalleled. Yet the extent of the Pacific's impact on the thought of Darwin and those who followed him has not been sufficiently grasped. Fired by Darwin's ideas, nineteenth-century naturalists within and around the Pacific rim worked to further Darwin's programs in their own research: in Seattle, conchologist P. Brooks Randolph; in Honolulu, evolutionist John Thomas Gulick; in Adelaide, botanist Richard Schomburgk; and in Malaysia, biogeographer Alfred Russell Wallace. Lesser known enthusiasts furnished Darwin with fresh materials and replied to his endless inquiries, while young aspiring biologists from Cambridge tested Darwinian ideas directly in the "laboratory" of the Pacific. *Darwin's Laboratory* demonstrates the variety and richness of his legacy in the Pacific and, in so doing, shows how the region functioned as a testing ground for the theory of evolution.

Contributors: Ron Amundson, Keith R. Benson, Janet Browne, Barry W. Butcher, Jane R. Camerini, Nancy J. Christie, Janet Garber, Niel Gunson, E. Alison Kay, Henrika Kuklick, John Laurent, Roy MacLeod, Pauline Payne, Philip F. Rehbock, Sara Sohmer, John Stenhouse, and David R. Stoddart.

424 pages, ISBN 0-8248-1613-7, \$45.00, cloth
Special 20% discount price \$36.00

Please send me ___ copies of *Darwin's Laboratory* at the special discount price of \$36.00. U.S. shipping: \$3.00 for the first book, and \$1.00 for each additional. Other countries: \$4.00 for the first book, \$2.00 each additional.

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 06/12 31249-200

book, *The Social History of Truth*.

Inquiries:

Dr. Michael Shortland
Unit for HPS
University of Sydney
Sydney, NSW 2006, Australia

18-27 June 1995. "Cold War Plus Science Makes U.S. the World Power: For How Long?" is one of the sessions that will be held at the **American Association for the Advancement of Science's** 1995 Annual Meeting of the Pacific Division at the University of British Columbia, Vancouver, B.C. Examination of the history of past world powers will be conducted to determine how science and engineering contributed to their growth, and why they declined. The "cracks" developing in the world-power status of the U.S. will also be examined. Scientists interested in making presentations at this session should contact:

Henry Oman
1921 Normandy Park Drive, SW
Seattle, WA 98166, USA
Phone: (206) 878-4458
Fax: (206) 878-9421

22-25 June 1995. "Europe and the Wider World: The Construction of Identities in World History" is the principal theme of the upcoming Fourth Annual Conference of the **World History Association** to be held at the Hotel Demidoff, in the hills of Pratolino just north of Florence, Italy. Plenary sessions on "Renaissances in World History" and "Water and Water Management in World History" will be held. There will also be discussions on other topics relevant to the understanding of world, global, and comparative history. The deadline to reserve a place and/or submit paper/panel proposals was 2 January 1995.

Inquiries:

Mr. Stuart Ward
WHA Conference
Department of History and Civilization
European University Institute
Via dei Roccettini, 9
I-50016 San Domenico di Fiesole
Florence, Italy

8-11 July 1995. The **Australasian Association for the History, Philosophy and Social Studies of Science (AAHPSSS)** will hold its annual conference at the University of New South Wales, Sydney. Along with the usual program of papers, the following special symposia are planned: "Science, Technology, and World Peace," "19th-Century Natural History," "History of

Medicine," "Scientific and Technological Development in Asia," plus a student workshop and presentations of work in progress. Papers on one or more of these areas as well as general papers in HPS/STS (about 45 minutes) are invited. Preliminary offers of papers should be made by 1 April 1995, and the closing date for early submission of abstracts is 31 May 1995. Registration fees: regular members A\$45, non-members A\$55, student members A\$25, student non-members A\$30. Attendance for two days available at half these prices. Accommodations available on campus at A\$35 for "bed and breakfast" (from the evening of 7 July if required). Paper submissions and inquiries:

Dr. David Miller
AAHPSSS Conference Secretary
School of Science and Technology Studies
University of New South Wales
Sydney, NSW 2052, Australia
Phone: +61 2 385 2359
Fax: +61 2 313 7984
E-mail: dp.miller@unsw.edu.au
or

David Oldroyd
School of Science and Technology Studies
University of New South Wales
Sydney, NSW 2052, Australia
Fax: +61 2 313 7984
E-mail: d.oldroyd@unsw.edu.au

12-14 July 1995. "The Visual Culture of Art and Science from the Renaissance to the Present" is the topic of an international conference at the Royal Society of London, organized by the Association of Art Historians, the **British Society for the History of Science** and the Committee on the Public Understanding of Science.

Inquiries:

BSHS Executive Secretary
31 High Street
Stanford in the Vale
Faringdon, Oxon, SN7 8LH, UK

19-23 July 1995. The biennial meeting of the **International Society for the History, Philosophy and Social Studies of Biology** will be held at the University of Leuven, Leuven, Belgium. Among the many sessions to be held will be those on "The Politics of Conservation," which will explore 19th- and 20th-century domestic and international intersections of conservation and politics. Abstracts for sessions, workshops, and roundtable discussions were due 1 January 1995. Abstracts for poster contributions and individual papers were due on 1 February 1995. Inquiries, contact the program co-chairs:

Linnda Caporael
 Department of Science and Technology Studies
 Rensselaer Polytechnic Institute
 Troy, NY 12180-3590, USA
 Fax: (212) 627-3626
 E-mail: caporl@rpi.edu
 or

Elihu M. Gerson
 Tremont Research Institute
 458 29th Street
 San Francisco, CA 94131-2311, USA
 E-mail: tremont@ucsfvm.ucsf.edu

23-28 July 1995. The **International Commission on the Teaching of the History of Science** will hold a conference in Istanbul. Inquiries:

Dr. A.M. Duncan
 116 Herrick Road
 Loughborough
 Leicestershire LE11 2BU, UK
 or

Prof. Ekmeleddin Ihsanoglu
 IRCICA
 P.O. Box 24
 Besiktas, 80692 Istanbul, Turkey

18-19 September 1995. A two-day historical program on "The **Challenger** Legacy," featuring talks by an international assemblage of historians of ocean science, is being planned for the dedication of the new facilities of the **Southampton Oceanography Centre** in Britain. The program, which also marks the 100th anniversary of the completion of the *Challenger Reports*, is being organized by MARGARET DEACON. Inquiries:

Margaret Deacon
 Department of Oceanography
 University of Southampton
 Highfield, Southampton SO17 1BJ, UK

19-22 October 1995. "Rewriting the Pacific: Cultures, Frontiers, and the Migration of Metaphors," is the subject of an international conference to take place at the University of California, Davis. Organized by the **Pacific Bridges Project** of the Davis Humanities Institute, the conference will consist of three sections: "Myths of National Identity: Origins and Transformations," "Garden, Wilderness, City: Technologies of Land and Light," and "Tourism: The New Topographies of Work and Play." Inquiries:

Prof. Kay Flavell
 Program in Critical Theory
 University of California
 Davis, CA 95616, USA
 Fax: (916) 752-8630

26-29 October 1995. The annual meeting of the **History of Science Society** will be held in Minneapolis, Minnesota. As in the past, papers for the HSS meeting will cover a broad range of research topics. **3 April 1995** is the deadline for submitting proposals for papers on the HSS Annual Meeting Paper Proposal form and following the new guidelines.

Submit proposals to:

Amy Lanfear
 History of Science Society
 Executive Office DR-05
 University of Washington,
 Seattle, WA 98195, USA
 Phone: (206) 543-9366
 Fax: (206) 685-9544
 E-mail: amyl@u.washington.edu
 krbenson@u.washington.edu.

Inquiries, contact the HSS Executive Office or the Program Co-chairs:

Hal Cook
 Department of History of Medicine
 1300 University Avenue
 Madison, WI 53706, USA
 Phone: (608) 263-7378
 Fax: (608) 262-2327
 E-mail: hjcook@macc.wisc.edu
 or

Deborah Fitzgerald
 Program in Science, Technology and Society
 MIT E51
 Cambridge, MA 02139, USA
 Phone: (617) 253-4062

29 October- 2 November 1995. The Third International History, Philosophy, and Science Teaching Conference will be held at the University of Minnesota in Minneapolis, Minnesota. The purpose of this conference is to promote collaborations among communities of scientists, mathematicians, historians, philosophers, cognitive psychologists, sociologists, science and mathematics educators, museum professionals, and school and college teachers; leading to the dissemination of lessons, units of work, and programs in science and mathematics, at all levels, that have successfully utilized history, philosophy, and sociology.

Proposals of papers, paper sets, workshops, symposia, discussion groups, interactive exhibits of curricular and instructional materials, work in progress, and posters were due **15 March 1995**. Details about conference registration fees, housing, and social events will be sent with the conference brochure in July. Inquiries:

Catherine Ploetz (612) 626-2259 or
 Lori Graven (612) 625-9023
 Professional Development & Conference Services
 University of Minnesota
 218 Nolte Center
 315 Pillsbury Drive S.E.
 Minneapolis, MN 55455-0139, USA
 Fax: (612) 626-1632
 E-mail: cploetz@mail.cee.umn.edu
 lgraven@mail.cee.umn.edu

Content questions:

Professor Fred Finley
 IHST Conference Chair
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 College of Education
 370 Peik Hall
 159 Pillsbury Drive S.E.
 University of Minnesota
 Minneapolis, MN 55455, USA
 Fax: (612) 624-8277
 E-mail: finleyfn@vx.cis.umn.edu

Late April 1996. "Empires of Nature" will be the theme of the biennial international conference of the **Society for the History of Natural History**, to be held in Oxford. The title is meant to encompass areas such as: the shifting inter-relationships between the metropolis and the peripheries; the role of women naturalists in the empire; the impact of indigenous knowledge of the natural world, and colonial experiences; the expansion of museum collections; imperial applications of the "type" in systematics; use of applied life sciences for exploitation and exploration of colonies; social roles of different personnel, e.g., the privately paid collector vs. the entrepreneur collector vs. the government official; natural history writing in the travel genre; the rhetoric of Linnean taxonomy and the Empire. Inquiries and paper proposals:

Ms. Jane Pickering
 Oxford University Museum
 Parks Road
 Oxford OX1 3PU, UK

19-21 July 1996. "Medicine and the Colonies," will be the theme of a meeting of the **Society for the Social History of Medicine**, at Oxford University. Inquiries and paper proposals:

Dr. Harriet Deacon
 The Queens College
 Oxford University
 Oxford, OX1 4AW, UK

23-26 July 1996. "Crossing Boundaries" is the theme of the **Third British-North American Joint Meeting of**

the CSHPS, HSS and BSHS to be held in Edinburgh, Scotland. The BSHS Executive Secretary will be coordinating the registration process. The theme, which may be broadly interpreted, provides a wide chronological and subject range and bridges a variety of approaches and methods, yet ensures coherence around interpretive problems of current interest. Provisional abstracts of approximately 250 words for individual papers should be submitted to one of the Programme Chairs of the respective societies by 1 August 1995. Proposers of sessions are invited to submit details of prospective speakers (preferably from more than one country), their paper topics and the discussant/commentator by the above date as well. Abstracts of accepted papers should be submitted to Dr. Henry by 1 June 1996; papers should not last more than 20-30 minutes. To facilitate the process of including abstracts in programs for all participants, speakers should be prepared to send computer disks of their abstracts to the BSHS Executive Secretary—ASCII text file in DOS preferred. Chairs:

Bob Hatch
 HSS Chair
 Department of History
 University of Florida
 Gainesville FL 21611, USA
 Phone: (904) 392-0271
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 Fax: 0524-846102
 E-mail: hia004@lancaster.ac.uk

Local Organizer (not for offers of papers):

John Henry
 Science Studies Unit
 University of Edinburgh
 2 Buccleugh Place
 Edinburgh EH8 9JT, Scotland, UK
 E-mail: cass07@castle.ed.ac.uk

22-28 September 1996. A commemorative conference will be held at the **Royal Botanic Gardens, Melbourne**, to mark the 150th anniversary of the foundation of the gardens, and the 100th anniversary of the death of botanist Ferdinand von Mueller. The conference will have two phases: 22-24 September: "A Scientific Savant in Nineteenth Century Australia: a Celebration of the Life, Times and Legacy of Ferdinand von Mueller"; and 26-28 September: "Beyond the Floras." The conference committee convener is DR. T.J. ENTWISLE. Inquiries:

1996 Commemorative Conference Committee
Royal Botanic Gardens
Birdwood Avenue
South Yarra, Vic. 3141, Australia
Fax: +61 3 655 2350
E-mail: entwisle@botany.unimelb.edu.au

25-30 July 1997. The **XXth International Congress of History of Science**, at the University of Liège, Belgium. See "Pacific Circle News," page 1.

VICTORIAN STUDIES SPECIAL ISSUE

The journal *Victorian Studies* invites the submission of articles for a special issue on "Victorian Information Culture." Articles are sought across a wide range of topics, including: intellectual property and the economics of information (patents and copyright); developments in information technology—telegraphy, printing, photography, the telephone—and their economic, social, and legal impacts; the uses of statistics; professionalism and information; institutions of information (the post office, publishing, the press); mechanisms of detection and surveillance; scandal and its representation in literature and art; dynamics of secrecy and encoding; espionage (political and industrial); the uses of information theory in understanding Victorian culture. Deadline for submission: 1 September 1995. Send submissions to:

Prof. James Eli Adams, Co-Editor
Victorian Studies
Ballantine Hall 338
Indiana University
Bloomington, IN 47405, USA

ENCYCLOPAEDIA OF THE PACIFIC ISLANDS

A project is now underway to produce a one-volume *Encyclopaedia of the Pacific Islands*, to mark the arrival of the 21st century. An international editorial board will advise editors BRIJ LAL and MAX QUANCHI. The material will be presented under seven broad sections: Physical

Environment, Peoples, History, Politics, Economies, Society and Culture. The volume will be a joint publishing venture of the Polynesian Press in Auckland the University of Hawaii Press in Honolulu.

Inquiries:

Brij Lal
Division of Pacific & Asian History
Australian National University
Canberra, ACT 0200, Australia
Fax: (616) 249-5525

NEW DICTIONARY OF NATIONAL BIOGRAPHY

"Science 1500-2000" has been designated as a distinct area of the *New Dictionary of National Biography*, now in progress. PIETRO CORSI is Consultant Editor for this area, and a number of distinguished historians of science will act as associate editors. JOSEPH GROSS is the full-time Research Editor for Science 1500-2000.

The New DNB will build on the strengths of the old and will be written in the same format, but will reflect the different historical perspectives and priorities of 20th-century writers and will exploit the advantages of the electronic media. It is based at the University of Oxford and funded jointly by the British Academy and the Oxford University Press. Inquiries:

Joseph Gross
Research Editor, *New DNB*
Oxford University Press
Walton St.
Oxford, OX2 6DP, UK
E-mail: grossj@oup.co.uk

INTERNATIONAL BIBLIOGRAPHY OF METEOROLOGY

International Bibliography of Meteorology: From the Beginning of Printing to 1889, originally a four volume set, is being re-published by DIANE Publishing Co. as a one volume, clothbound edition, printed on over 700, acid-free pages. The original volumes were an international catalog of meteorological citations modeled after the Index Catalog of the Library of the Surgeon General's Office, and included 56,000 titles by 13,000 authors—citations from all the nations of the world active in meteorological research. The re-published edition, edited by ROY E. GOODMAN & JAMES RODGER FLEMING, includes all the citations of the original, plus a new author index to each volume, and is available in a limited edition of US\$195.00 (US\$245.00 for foreign buyers), which includes shipping and handling, from:

DIANE Publishing Co.
600 Upland Ave.
Upland, PA 19015, USA
Phone: (610) 499-7415
Fax: (610) 499-7429

TEACHING MATERIALS

The U.S. History of Science Society Committee on Education is assembling a database on "Using Images and Sound to Teach the History of Science." The committee hopes to document all good sources of films, videos, slide and print collections, CD-ROMs, etc. It requests that information be sent to:

HSS AV Project
David Rhees, Director
The Bakken Library
3537 Zenith Ave. South
Minneapolis, MN 55416, USA

The Committee on Education has also mounted a project on "Non-Western Science." They are collecting sample syllabi, recommendations of audio-visual materials or books well received by students in this area. Copies of the material collected will be available in November 1995. Information should be forward to:

Douglas Allchin
579 Ashland Ave.
St. Paul, MN 55102, USA

RECENT MEETINGS

The **Columbia History of Science Group** held its annual meeting at Friday Harbor in the San Juan Islands of Puget Sound on 17-19 February. About sixty persons, including significant contingents from the snows of Minnesota and the sun of California, were attracted to the local drizzle. While enjoying the hospitality of the Marine Biology Station's plush accommodations, they listened to a fascinating program assembled by MOTT GREENE (University of Puget Sound). Ten talks ranged from 17th-century animal spirits to 20th-century game management, from an examination of the scientific journal article as a rhetorical device to what it means to write a scientific biography in a feminist rhetorical style. Our keynote address was given by ANN HIBNER KOBLITZ on the practical and epistemological problems encountered in her project with the United Nations to gather data on women in science and technology.

Besides the paper sessions, there were, *mais oui*, the other activities for which our meetings are fabled near and far. Fresh oysters from Westcott Bay and a keg of

Seattle microbrew were enjoyed along with "poetry" such as "I like to eat an uncooked oyster/Nothing's slicker, nothing's moister..." and "song" led by TED PORTER about how to succeed in academia (with apologies to Gilbert & Sullivan). After the Milosian banquet, the coveted awards were bestowed, including the Aztec Potato to JOHN SUTTON (University of Sydney) who certainly came a long enough way to deserve it, and the Milosian apron and chef's hat to STEVE STRAKER (University of British Columbia) who doubted whether they would allow him back across the border in such garb. Finally, we all were delighted with an hour of wind music that stretched from the 12th to 20th centuries. The Tielmann Susato Krummhorn Quartet amazed us with its versatility in playing about twenty different instruments in almost as many different styles.

—Woody Sullivan
Professor of Astronomy
Washington University

"Science and Christianity in History" was the theme of a symposium held at the International Christian University in Tokyo on 17 December 1994. The open lectures at this symposium celebrated the Japanese translation of *God and Nature* and included: "Science and Christianity: In View of the European Enlightenment" given by YOCHICHIRO MURAKAMI, professor at the University of Tokyo and Director of the University's Research Center for Advanced Science and Technology; and "Science and Christianity: Some Crucial Issues in Japan" given by MASAO WATANABE, emeritis professor from the University of Tokyo and Research Advisor of the ICU's Research Center for the History of Science.

The IV Latin American Congress of History of Science and Technology was sponsored by the **Latin American Society for the History of Science and Technology**. "Nationalism and Internationalism in the History of Science and Technology in Latin America" was the central subject of this congress, held in Cali, Colombia on 24-27 January 1995. Symposia included: "Nationalism and Internationalism," "Social Construction of Knowledge," "Social History of Public Health," "Contexts and Social Actors in Science," "Technology and Society," and "History and Teaching of Sciences." A special session was organized to discuss the experiences, topics, work-in-progress, ideas, etc., of Latin American students studying STS abroad. It was hoped that this interaction would promote the development of STS in Latin America.

"Unity in Diversity," was the theme of the 1995 AAAS Meeting and Science Innovation Exposition that was held at the Atlanta Marriott Marquis and the Hyatt

Regency Atlanta in Atlanta, Georgia on 16-21 February 1995. RONALD L. NUMBERS (University of Wisconsin-Madison) presented the annual Sarton Lecture: "Darwinism Comes to America: A Reappraisal of Scientific Responses."

The **Seventh Annual Symposium on Maritime Archaeology and History of Hawaii and the Pacific**, was co-sponsored by the Marine Option Program and the Hawaii Maritime Center. This symposium was held at the Hawaii Maritime Center, Pier 7, Honolulu Harbor in Honolulu, Hawaii on 18-20 February 1995. The featured speaker was DR. PAUL JOHNSTON, curator of Maritime History at the Smithsonian Institution. There were two days of lecture presentations and one day of field trips. An evening session by Dr. Johnston on the *Ha'aheo o Hawai'i* shipwreck in Hanalei Bay, Kauai was free and open to the general public.

LAPÉROUSE REMEMBERED

Last year on May 30th a ceremony was held to commemorate the landing of Jean-François de Galaup, Comte de Lapérouse on the island of Maui in 1786. A



Dedication of the Lapérouse Memorial, Lapérouse Bay, Maui, 30 May 1994. Left to right: Pardee Erdman, Philippe & Elizabeth de Lapérouse, members of the French Armed Forces aboard *La Tapageuse*.

Photo courtesy of Mrs. Nelly Hardy

memorial plaque, marking this discovery of Maui by Europeans aboard the French frigates *La Boussole* and *L'Astrolabe*, was unveiled at LaPerouse Bay. Remarks

were delivered by ANTOINE FRASSETO, Consul General of France; PHILIPPE DE LAPÉROUSE, a descendent of the 18th-century navigator; and several local dignitaries. The memorial and ceremony were organized by the Lapérouse Committee in Hawaii, ELISABETH JENSSEN, President. Both the funds for the monument and the land on which it rests were generously donated by MR. PARDEE ERDMAN of Ulupalakua Ranch.

PAPERS OF HAMPTON L. CARSON

The papers of University of Hawaii population geneticist Hampton Carson have been received by the American Philosophical Society. The collection includes 15 linear feet of correspondence (1944-1993), subject files, works by Carson and others and research notes (1921-1993), course materials and photographs. Carson conducted comparative analyses of the genetics of *Drosophila* species from New Guinea, Australia, the West Indies, Brazil and parts of North America. His best known ideas regarding speciation derived from his work on the Hawaiian *Drosophila* Project, which was undertaken to study the 600 unique species of *Drosophila* in Hawaii. (*Mendel Newsletter*, n.s., no. 4, November 1994).

APPOINTMENTS, PROMOTIONS, AND ELECTIONS OF PACIFIC CIRCLE MEMBERS

DAVID DOLAN, Manager of Collection Development and Research at the Powerhouse Museum, who was the museum's Senior Curator of Historical Decorative Arts and Design from 1989 to 1993, has been appointed to the chair of Cultural Heritage at Curtin University, Western Australia. Dr. Dolan will leave the museum at the end of 1994 and take up the new position in January 1995. As Foundation Professor he will be *ex officio* director of the Centre for Cultural Heritage Studies.

DAVID OLDROYD has been promoted to full professor in the School of Science and Technology at the University of New South Wales. He is also the first historian of science to be elected to the Australian Academy of the Humanities.

LEWIS PYENSON has been elected a fellow of the Royal Society of Canada. He is *professeur titulaire* in history at the University of Montreal. The last volume in his trilogy about science and imperialism,

Civilizing Mission, was published in 1993 by the Johns Hopkins University Press.

POSITION NOTED

The Department of Sociology at the University of California, San Diego announced a position for a tenure-track or tenured professor specializing in the sociology or social study of modern science, technology, or related areas, to begin 1 July 1995. This position is subject to the availability of funds. Candidates were sought with exceptionally strong research records of potential, as well as promise or demonstrated achievement as teachers, who could contribute significantly to an interdisciplinary Ph.D. program in Science Studies. Ph.D. or advancement to candidacy was required. Applications were to be received by 10 January 1995.

REQUEST FOR INFORMATION

JON GUICE, Science Studies, UC San Diego, is putting together an "INTERNET History Literature Review," the results of which will be posted to the sci-tech-studies mailing list. The review will also cover related projects (ARPANET, NSFNET, NREN, DRI). "While there are many 'history' sections in Internet guidebooks and manuals, there are not many in-depth scholarly treatments of these subjects." He has already put together a partial list of sources, however, he requests information on other "scholarly non-technical works which discuss at some length some of the history of the Internet." Contact:

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E-mail: jguice@helix.ucsd.edu

E-NEWS

While sorting through the information sent to us—especially for the conferences and calls for papers and the job position announced—we realized that, because the *Newsletter* comes out at most twice a year, there are many time-sensitive items that would reach readers too late to be of any use. One solution would help at least those who have e-mail access: we are in the process of setting up an e-mail list for *Newsletter* readers so that we can make time-sensitive information available to you as we receive it. To reach as many of you as possible, we ask that, if you haven't previously provided us with your e-mail address, please send us a message via e-mail so that we may add it to the list. All information relayed in

these ways will also appear in the *Newsletter*.

Once again there are several new and recent additions to the Information Superhighway dealing with the History of Science. Many of the creators of the items listed this time around request your input as to their new services—additions, participation, etc.

As before, when subscribing: characters in **bold** should be typed as is, and the info between <>s must be provided.

Program on Science, Technology, & Society Home

Page. Dr. Patrick W. Hamlett of the North Carolina State University has constructed a home page containing 25 STS-related links. The URL is: <http://www3.ncsu.edu/unity/users/p/pwhmde/index.html>
Suggested additions may be sent to:

hamlett@social.chass.ncsu.edu

Biographical Dictionary. The WWW Virtual Library for the History of Science, Technology and Medicine now includes the beginnings of a biographical dictionary. Links to information on about 60 scientists have been brought together to form this new resource. The URL is: <http://coomgs.anu.edu.au/SpecialProj/ASAP/WWWVL-HSTM.html> Suggested additions to the dictionary or to the WWWVL-HSTM in general may be sent to: tim.sherratt@anu.edu.au

Science Studies Program Guide. The University of Missouri-Kansas City announced a new project for its gopher archive "Science Studies," mounted on kasey.umkc.edu. The "Internet Worldwide Guide to Science Studies Programs" will be a comprehensive guide to what is available in science studies around the globe. It is proposed that the guide be organized in two ways: 1) by continent and more specifically thereafter; and 2) by subject. A list of abbreviations will be used to help in categorizing by subject (for a list of these abbreviations, contact George Gale). If you are part of a program in {history, philosophy, psychology, sociology} of {science, engineering, medicine, technology, etc.} and would like your program listed in this guide, send a program description of not more than 90 lines to George Gale at: ggale@kasey.umkc.edu

STS-L on listserv@utkvm1.utk.edu is a new moderated e-mail list (messages are received by the moderator who distributes them to the list) sponsored by the Science and Technology Section of the Association of College and Research Libraries (ACRL) of the American Library Association (ALA). It is a public list open to all who are interested. To subscribe, send e-mail to listserv@utkvm1.utk.edu in the following format:

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RESEARCH IN PROGRESS

ALAN DAVIS, who has made the island of Chuuk (Truk) his home for the past 8 years, has been collecting information on the native knowledge of marine biology of the Eastern Caroline Islands. Davis first traveled to Micronesia in 1978. After earning a Bachelor of Arts degree in Zoology at the University of California at Santa Barbara in 1984, and studies of the Micronesian marine fauna at the University of Guam Marine Laboratory from 1984-1986, he moved to Chuuk. He has been employed as a marine science educator, first at the College of Micronesia, Chuuk Continuing Education Center, and, from 1987 until 1994, in the public school system of Chuuk State, at the secondary level. This employment, combined with a life-long interest in marine life, have supported his long-term study of indigenous knowledge of marine organisms. In 1984, he began to document the names of marine organisms in the Eastern Chuukic language continuum, with the intention of enabling a dialog about marine animals. Specific scientific interests include seasonality and reproductive periodicity of tropical marine organisms.

The paper, "Indigenous Knowledge of Marine Animals in the Caroline lands," is a report of a survey during an extended residence in Chuuk Lagoon, an effort to promulgate a dialog between Western science and native knowledge. The aim of the work has been to establish a

map of issues and topics of interest for further scientific and ethnological research, emphasizing the potential for a synergism between indigenous and Western scientific knowledge. Indigenous knowledge may suggest testable hypotheses; however, specialized scientific knowledge is often needed before an adequate interpretation of suggestive anecdotal knowledge can be made.

Marine animals and their associations permeate the cultures of Micronesia, in diverse contexts. Stories and myths, beliefs, rituals, paraphernalia, and techniques may function as repositories of adaptive knowledge of the natural world. Through these various associations, knowledge of marine animals is preserved and functions as an aspect of the whole system within which specific adaptive knowledge is codified.

The observer is often faced with anecdotal reports from native islanders that seem completely untenable. At least some of these anecdotes can be better understood as attempts to explain observations in terms of what is known. In this way, traditional knowledge can be seen to be embedded in a system of theory, similar to that of Western science. Several examples of species which are said to be born of, or mothers to, certain other species can, in some cases, be seen to embody useful information. In some cases, it is difficult to evaluate any possible underlying truth in these reports, even those which are heard from numerous informants.

Indigenous knowledge is sophisticated enough to require insight of a scientific specialist to probe its depths: it is precisely these depths that will be expected to yield the most interesting knowledge. For example, a number of reports concerning the octopus have seemed untenable; yet a zoological specialist was able to interpret indigenous knowledge in terms of cutting edge research issues. Chuukese report that octopuses leave their lairs in thunder; however, although biologists have mapped virtually the entire brain of octopus, no hearing organ has ever been found, and no experimental work has focused on vibration reception.

Time reckoning and knowledge of seasonality are found codified in seemingly mundane or unscientific contexts, as well as within esoteric specializations such as navigation and complexes of ritual and belief. Time-reckoning knowledge is found in several contexts, demonstrating real oceanographic and biological knowledge diffused throughout the culture. A myth of the constellation Pleiades is presented within what appears to be embedded knowledge of seasonality. A complex of ritual and belief involving certain eels, within an important body of magic—breadfruit summoning—suggests knowledge of seasonality, and possible clues to the reproductive biology of eels, which

is poorly known. *Hexabranchnus sanguineus*, reported as a sign of impending calm weather, suggesting possible knowledge of seasonality, may represent an entire class of rare phenomena which would be difficult or impossible to verify by scientific means. Weather signs, but little known, may turn up with more effort. A possible obscure school of knowledge of calendric values of plants is also of intense interest.

Tides of Chuuk are predominantly solar in that their day to day timing varies but little during a given time of year, while times of high and low tides differ greatly and consistently between seasons. Previously undocumented lore correlates the times when certain bivalves are best to eat, as well as the times of aggregations of the fish *Lutjanus fulvus*, with the time of year when tides are high in the morning. This information parallels an area in which Micronesians have already made a significant contribution to science: knowledge of the times of spawning aggregations of fishes.

Despite scientific and anthropological interest in traditional reef tenure, proprietorship or trusteeship over specific species or complexes of animals, another important aspect of the traditional system of marine resource management, has heretofore not been documented.

Further researches stand to benefit not only science, but the Micronesians themselves, in preserving aspects of the adaptation which has enabled their survival on these islands for millennia. In designing a truly indigenous science curriculum, traditional knowledge of the environments of Micronesia will necessarily play a pivotal role. The best hope for management of marine resources is believed by many scientists to lie in preservation of traditional systems, based on tenure. If this knowledge is lost, survival on the islands will be imperiled, with or without a sea level rise.

History of science is about the past. This study of contemporary knowledge of indigenous island peoples may serve as a window into the otherwise inaccessible dawn time of ancient oceanography. In this study I have sought clues from the study of the roots of Western science, to understand the nature and form of indigenous science. Contributions to science by traditional Micronesians are of intense interest in the history of science. Philosophical parallels provide another potential area of scholarly interest.

* * *

WIM J. VAN DER SCHEER is presently conducting research for a doctoral thesis at the Institute for the History of Science, Utrecht University, on the topic "Pure and Applied Science in the Tropics: Biological Research at

Private Experiment Stations in the Dutch East Indies (Indonesia), 1870-1940."

NEW SERIAL

Environment and History, An International Journal of Environmental History (ISSN 0967-3407) will begin publication this year from White Horse Press. Edited by RICHARD H. GROVE (Australian National University and University of Cambridge), the journal will appear three times a year. An international editorial board is now being assembled. The journal "aims to bring scholars in the humanities and biological sciences closer together, with the deliberate intention of constructing long and well-founded perspectives on present day environmental problems." It will supersede the *Newsletter* of the European Association for Environmental History.

Contributions should be sent to:

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