

DUAL-CAREER COUPLES IN OCEANOGRAPHY

By C. Susan Weiler

APPROXIMATELY thirty individuals met informally at the Inaugural Meeting of The Oceanography Society (TOS) to consider whether and how dual-career couples could better be accommodated within the oceanographic community.

The National Science Foundation's Ocean Sciences Division Director M. Grant Gross, TOS President D. James Baker, and TOS Council member S.W. Chisholm participated along with a broad cross section of TOS members.

Due to declines in science interest among students, projected personnel shortages, and the need to increase the participation of women and minorities, dual-career issues are receiving more attention than they have in the past.

Several people mentioned after the meeting that they were particularly encouraged by the demonstration of interest by Grant Gross and Jim Baker. The oceanographic community is fortunate that human-resource issues are recognized and appreciated at the highest levels.

Participants concluded that more could be done to accommodate dual-career couples. However, more information is first needed on how couples, colleagues and institutions are presently responding to dual-career issues. Because issues are similar across disciplines, participants agreed it would be helpful to obtain information and ideas from older and larger societies such as the American Geophysical Union (AGU). Complimentary or cooperative activities could then be undertaken by TOS.

Information specific to the oceanographic community is also needed. For instance, several participants mentioned that their job searches and negotiations were limited by the lack of information concerning the availability and use of non-traditional career options within the

oceanographic community.

Participants agreed it would be useful to collect information on the availability of non-traditional positions, spousal job referral services, stop-the-clock tenure, on-site day care, and other options which make it easier to balance career and family. Collecting information on individuals who have negotiated split, permanent part-time, and other non-traditional positions would facilitate the negotiations of similar positions and options at other institutions.

Participant responses suggest that it would be appropriate and useful for TOS to form a subgroup like the AGU's Education and Human Resources Committee. Among other things, it could decide whether and how activities such as those suggested at the dual-career meeting should be conducted. It is hoped that TOS will consider forming such a committee at its next board meeting. □

ANNOUNCEMENT AND CALL FOR PAPERS: THE ROBERT W. STEWART SYMPOSIUM

By Blyth Hughes

THE ROBERT W. Stewart Symposium will be held on May 25-26, 1990, at Dunsmuir Lodge, University of Victoria, Victoria, B.C., Canada. The symposium marks the retirement and honors the distinguished career of Robert W. Stewart as research scientist, teacher, administrator and public servant.

Contributed papers of about 15 minutes duration are solicited on the topics of physical oceanography, atmospheric sciences, and fluid dynamics, with a special empha-

sis on turbulence, air-sea interaction, boundary layer dynamics, and ocean-climate response.

Invited Speakers include F.P. Bretherton (Climate processes), F.W. Dobson (Air-sea interaction), C.J.R. Garrett (Mixing processes), P.H. LeBlond (Coastal processes), M.S. Longuet-Higgins (Waves), W.H. Munk (Acoustical oceanography), G.J. Odgers (Astrophysics) and C.I. Wunsch (Ocean circulation).

Please send abstracts by December

31, 1989, to: Blyth Hughes, R.W. Stewart Symposium, Defence Research Establishment Pacific, Forces Mail Office, Victoria, B.C., V0S 1B0, Canada; Fax: (604) 380-2856.

To be placed on the mailing list to receive further information contact: R.W. Stewart Symposium, Dept. of Physics & Astronomy, University of Victoria, P.O. Box 1700 Victoria, B.C., Canada V8W 2Y2; Telephone: (604) 721-7698; Fax: (604) 721-7715. □

CONFERENCE ON THE ROLE OF THE POLAR REGIONS IN GLOBAL CHANGE

By Gunter Weller

AN INTERNATIONAL conference on the role of the polar regions in climate and global change will take place at the University of Alaska in Fairbanks on June 11-15, 1990. The conference is sponsored by the Arctic Research Consortium of the United States and is hosted by the University of Alaska Fairbanks.

Other co-sponsors are the American Meteorological Society, the American Geophysical Union (AGU), The Oceanography Society, and the Arctic Division of the American Association for the Advancement of Science.

The conference will address both the Arctic and the Antarctic. The deadline for one-page, AGU-style abstracts is December 31, 1989.

The polar regions of the earth have recently become the focus of considerable

attention in connection with atmospheric pollution and global climate concerns. For example, growing evidence suggests that the polar regions play a key role in the physical processes responsible for global climatic fluctuations.

In many instances, the polar regions may be the prime source of such fluctuations. Polar regions are now widely recognized as important repositories of information on past climates and the causes of past climatic fluctuations. There is mounting concern that systematic warming in polar regions will alter the equilibrium of the polar ice masses and, thus, affect the global sea level. Induced changes in the chemistry of high-latitude air are also viewed with increasing apprehension, based on dramatic trends in ozone depletion and the occurrence of Arctic Haze.

The conference will include sessions and workshops on six topics:

- The polar regions as sources of paleoenvironmental data,
- Polar interactions: focus on the oceans,
- Polar interactions: focus on land,
- Human impacts on global change in the polar regions,
- Social and economic impacts of change in the polar regions,
- Detection and monitoring of change in the polar region.

Both disciplinary papers and interdisciplinary ones linking atmospheric to oceanographic, cryospheric, and biological and social processes will be accepted.

For further information, contact Dr. Gunter Weller, Geophysical Institute, University of Alaska, Fairbanks, AK 99775-0800, Tel. (907) 474-7954, TELEX 35414.

THE SECOND INTERNATIONAL SYMPOSIUM ON GAS TRANSFER AT WATER SURFACES

By Steven C. Wilhelms

THE SECOND International Symposium on Gas Transfer at Water Surfaces will be held September 11-14, 1990, in Minneapolis, Minnesota. Sponsors are the U.S. Army Engineer Waterways Experiment Station and The University of Minnesota. Co-sponsors include the American Geophysical Union, American Institute of Chemical Engineers, American Society of Civil Engineers, American Water Resources Association, International Association for Hydraulic Research, North American Lake Management Society, International Association for Great Lakes Research, and the Water Pollution Control Federation. The final date for receipt of abstracts is January 31, 1990.

The First International Symposium was held at Cornell University in 1983 and focused primarily on an improved understanding of the physical and chemical processes controlling gas transfer. As a natural progression, the Second International Symposium will focus on improvements in the ability to describe the physical and

chemical processes associated with gas transfers and applications of process knowledge to solve engineering problems.

The purpose of the Symposium is to provide a forum for interdisciplinary exchange of knowledge about the physiochemical processes that influence gas transfer and the subsequent engineering applications of that state-of-the-art knowledge to solve or mitigate environmental quality problems and improve process design.

The scope of disciplines involved in the investigation of the gas transfer process is broad, including fluid mechanics, physical chemistry, chemical engineering, environmental engineering, bio-geochemistry, hydraulics, physical oceanography, etc. The topic areas, therefore, reflect this broad scope of disciplines as applied to gas transfer at water surfaces.

These topic areas include fundamental physical, chemical and modeling phenomena; development of experimental techniques through laboratory, field and pilot

plant and process studies; and gas transfer application of atmospheric, tracer gas and toxic chemical exchange. For further information, contact: Mr. Steven Wilhelms, Chairman of the Organizing Committee, U.S. Army Engineer Waterways Experiment Station, P.O. Box 631, Vicksburg, MS 39180; (601) 634-2475. □

ERRATUM

In the Meetings & Workshops section of the April 1989 issue, Dr. Bruce B. Parker's address was given incorrectly. For information regarding the International Conference on Tidal Hydrodynamics held in November 1988, please contact Dr. Parker at: N/OMA 13, Room 419; National Ocean Service/NOAA; Rockville, MD 20852; Telemail: B.PARKER/OMNET. *Oceanography Magazine* sincerely regrets the error. □

CALENDAR OF MEETINGS



: Co-sponsored by The Oceanography Society

THE ROBERT W. STEWART SYMPOSIUM

Date: May 25-26, 1989

Location: Dunsmuir Lodge, University of Victoria, Victoria, B.C., Canada

Abstract Deadline: December 31, 1989

Abstract Contact: Blyth Hughes; R.W. Stewart Symposium; Defence Research Establishment Pacific; Forces Mail Office; Victoria, B.C., V0S 1B0; Canada; Fax: (604) 380-2856

Information Contact: R.W. Stewart Symposium; Dept. of Physics & Astronomy; University of Victoria; P.O. Box 1700; Victoria, B.C., V8W 2Y2; Canada; Telephone: (604) 721-7698; Fax: (604) 721-7715

Issue: Current

INTERNATIONAL CONFERENCE ON THE ROLE OF THE POLAR REGIONS IN GLOBAL CHANGE

Date: June 11-15, 1990

Location: University of Alaska, Fairbanks

Sponsors: Arctic Research Consortium of the United States

Co-Sponsors: American Meteorological Society, the American Geophysical Union, The Oceanography Society, and the Arctic Division of the American Association for the Advancement of Science

Abstract Deadline: December 31, 1989

Contact: Dr. Gunter Weller; Geophysical Institute; University of Alaska; Fairbanks, AL 99775-0800; Telephone: (907) 474-7954; Telex 35414

Issue: current



INTERNATIONAL SYMPOSIUM ON ASSIMILATION OF METEOROLOGICAL AND OCEANOGRAPHICAL OBSERVATIONS

Date: July 9-13, 1990

Location: Clermont-Ferrand, France

Sponsor: World Meteorological Organization

Co-sponsor: The Oceanography Society

Language: English

Abstract Deadline: December 15, 1989

Contact: The Secretary-General of WMO; Attention PTR; World Meteorological Organization; 41, av. Giuseppe-Motta; Case postale No. 5; CH-1211 Geneva 20; with a copy to: Dr. O. Talagrand; Chairman of the International Programme Committee; Laboratoire de Météorologie Dynamique; Ecole Normale Supérieure; 24, rue Lhomond; F-75231 Paris Cedex 05

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THE SECOND INTERNATIONAL SYMPOSIUM ON GAS TRANSFER AT WATER SURFACES

Date: September 11-14, 1990

Location: Minneapolis, Minnesota

Sponsors: U.S. Army Engineer Waterways Experiment Station and The University of Minnesota

Co-sponsors: American Geophysical Union, American Institute of Chemical Engineers, American Society of Civil Engineers, American Water Resources Association, International Association for Hydraulic Research, North American Lake Management Society, International Association for Great Lakes Research, and Water Pollution Control Federation

Abstract Deadline: January 31, 1990

Contact: Mr. Steven Wilhelms; Chairman of the Organizing Committee; U.S. Army Engineer Waterways Experiment Station; P.O. Box 631; Vicksburg, MS 39180; Telephone: (601) 634-2475

Issue: Current

NSF SHORT COURSE IN OCEANOGRAPHY

By Shannon O'Dunn

THE NATIONAL Science Foundation (NSF) has funded an oceanography short course for instructors of undergraduate marine sciences, to be held at San Diego in the summer of 1990.

Targeted participants are instructors of undergraduate courses with physical or biological oceanography content who have seasoned degrees or lack substantial formal course work in the ocean sciences.

They will receive state-of-the-art information in ocean research, hands-on experience in sample collecting and data analysis, and new instructional materials and techniques.

The project is based at the University of San Diego where participants will earn three graduate semester units in Marine Studies. Conducted jointly with the Grossmont-Cuyamaca Community College District, the project will feature research at sea, and site visits to Scripps Institution of Oceanography (UCSD), a variety of commercial marine facilities, U.S. Navy marine research operations, and an oceanographic station in Mexico. Field tours will feature modern coastal environments and Mesozoic/Cenozoic marine sedimentary facies.

The project begins on Sunday, June 24, 1990, and ends on Saturday, July 14, 1990. NSF funding covers tuition, room and board, course materials, expenses associated with project activities, and a \$250/week stipend.

For more information, call Project Director Dr. Richard Phillips at USD (619-260-4632) or Co-Project Director Shannon O'Dunn (619-465-1700, ext. 690).

To receive a short course application, write to: Shannon O'Dunn, Director, Grants and Contract Instruction, Grossmont-Cuyamaca Community College District, 8800 Grossmont College Drive, El Cajon, CA 92020.

Selection of applicants will be made in February 1990. □