



IPRC Director **Julian McCreary** was selected a Fellow of the American Meteorological Society (AMS) at the society's last annual meeting, held February 9-13, 2003, in Long Beach, California. The AMS bestows this prestigious, life-long title on only a small number of its approximately 11,000 members worldwide.

McCreary received the honor for his outstanding research contributions toward understanding the dynamics of the upper ocean and its influence on atmospheric circulation and climate. Active in the AMS for many years, McCreary was awarded the Sverdrup Medal by the AMS in 1996 for his research on the ocean dynamics of El Niño, the Equatorial Undercurrent, and the eastern boundary currents. He received the Editor's Award in 1981 for "providing observative, constructive, and thought-provoking reviews on numerous manuscripts submitted to the *Journal of Physical Oceanography*." He served as an editor and then senior editor of this journal from 1996 to 1999.



Tommy Jensen, oceanographer and associate researcher at IPRC, has recently been appointed editor of the *Journal of Climate*. He is replacing Mojib Latif in this capacity. Jensen has been an associate editor of the journal since February 2001. His editorial assistant will be Summer Silva. For more information see

<http://www.ametsoc.org/AMS/pubs/jnl/index.html>.



Takuji Waseda, Frontier researcher at the IPRC, received the Outstanding Research Scientists Award of the Frontier Research System for Global Change during Frontier's symposium in Tokyo, March 2003. He received the award for his research on Kuroshio meander formation arising from eddy-Kuroshio interaction.

IPRC bids Sayonara

Humio Mitsudera, IPRC Theme 2 Leader, has taken a professorship at the Institute of Low Temperature Science at Hokkaido University. He joined the IPRC as a Frontier scientist in December 1997, shortly after the founding of the IPRC. During those early days, he recalls, the most exciting work was the discovery, with Takuji Waseda, of a new mechanism by which a Kuroshio meander can form. His recent work has been on the dynamics of the Kuroshio-Oyashio confluence, which shows that the water from the Sea of Okhotsk is very important for Oyashio's southward intrusion and for the formation of the Mixed Water Region. Mitsudera was also a driving force behind the establishment of the Asia-Pacific Data-Research Center, serving as chair of its data committee (p. 18). At Hokkaido University, Mitsudera will focus on numerical modeling of the subarctic ocean including the Okhotsk Sea and the North Pacific. He is also keen to study the Antarctic Circumpolar Current, the largest current in the world.

Masami Nonaka, a Frontier researcher at the IPRC since 1999, has transferred back to Japan, to Frontier headquarters at Yokohama. While at the IPRC, he conducted research on the role of the subtropical cells, the shallow north-south overturning circulation connecting the midlatitudes and the equatorial Pacific Ocean (*IPRC Climate*, 1, Spring). Recently, he studied the effects of the Kuroshio and the Kuroshio Extension on winds (*IPRC Climate*, 2, No. 2). At Yokohama, he will continue to investigate these effects, using the solutions of a high-resolution ocean GCM that is being run on the Earth Simulator.

Hyoun-Woo Kang, who worked as a postdoctoral fellow with Tangdong Qu and Humio Mitsudera on the "Low Latitude Western Boundary Currents in the Pacific" project, has taken a research position at the Korea Ocean Research and Development Institute (KORDI). He will be studying long-term changes in the Japan Sea circulation using the Indo-Pacific ocean model that he developed at the IPRC based on the Princeton Ocean Model. He will also take part in KORDI studies on coastal processes and the Indo-Pacific Ocean.

Scientific Advisory Committee Meeting

Honolulu, December 11-12, 2002



From left to right: Roberto Mechoso (M), Gary Meyers (M), Atsushi Kubokawa (M), Akio Kitoh (M), Yong-Hwan Yoon (Co-Chair), Gerry Meehl (M), Julian McCreary, Eiichi Muto, Antonio Busalacchi (Co-Chair), Lorenz Maggaard, and Saichiro Yoshimura. (M = committee member)

Implementation Committee Meeting

Honolulu, February 18, 2003

From left to right, back row: Julian McCreary, Eric Lindstrom (Co-Chair), Chigusa Hanaoka, (Co-Chair), Toshiyuki Awaji, Eiichi Muto, Lorenz Maggaard, and Barry Raleigh. Front row : Takafumi Shimizu (M), Tetsuya Sato, Maiko Taniguchi (M), Sonomi Sato, Hitoshi Hotta (M), and Saichiro Yoshimura. (M = committee member)



IPRC in the News

Kevin Hamilton and colleagues at Rutgers University and the NOAA Geophysical Fluid Dynamics Laboratory have been studying the effects of explosive volcanic eruptions on Earth's surface climate (*IPRC Climate*, 1, Fall). The first paper of this collaboration was recently published (G. Stenchikov et al., 2003: Arctic Oscillation Response to the 1991 Mount Pinatubo Eruption: Effects of Volcanic Aerosols and Ozone Depletion, *J. Geophys. Res.*, **107**, 4803-4818) and was the subject of a NASA press release: <http://earthobservatory.nasa.gov/Newsroom/NasaNews/2003/2003031211342.html>.

Kuroshio's surprising effect on winds, discovered by IPRC scientists **Shang-Ping Xie** and **Masami Nonaka** when they analyzed recent satellite data (*IPRC Climate*, 2, No. 2), was featured in a Frontier press conference held at MEXT on December 26, 2002. Articles appeared in several newspapers following the press conference, among them Japan's *Mainichi Shimbun* and *Science News* and China's *Science and Technology Daily*.