

**Geophysical Fluid Dynamics Fellowships
at the
Woods Hole Oceanographic Institution (WHOI)**

**2000 Program of Study in
Geophysical Fluid Dynamics**

**The General Circulation of the
Atmosphere**

June 19 to August 25, 2000



Since 1959 the Geophysical Fluid Dynamics (GFD) Program has brought together graduate students and researchers from a variety of fields who share a common interest in the nonlinear dynamics of rotating, stratified fluids. These fields include classical fluid dynamics, physical oceanography, meteorology, astrophysics, planetary atmospheres, geological fluid dynamics, hydromagnetics, physics and applied mathematics. For the graduate student fellows, the centerpiece of the program is a research project that each fellow pursues under the supervision of the staff. At the end of the program, each fellow presents a lecture and a written report for a proceedings volume.

The central topic of the 2000 program will be the general circulation of the atmosphere. Our principal lecturer will be Isaac Held. With the guidance of Dr. Held and numerous guest lecturers, we will explore the ways in which fundamental geophysical fluid dynamics can explain the large-scale circulation of the Earth's atmosphere. Meteorologists have increasingly come to rely on complex numerical atmospheric circulation models. However, good basic theory remains the best means for interpreting these models, and the best hope for their continual improvement. The interplay between models and theory will be an important theme of the 2000 program.

Up to ten competitive fellowships are available for graduate students. Successful applicants will receive stipends of \$4,025 and an allowance for travel expenses within the United States. Fellows are expected to be in residence for the full ten weeks of the program. The application deadline is February 15, 2000. Awards will be announced by April 1, 2000. We particularly encourage applications from women and members of underrepresented groups. Application forms may be obtained from the following address or the homepage:

**The Fellowship Committee
Education Office, Clark Laboratory, MS #31
Woods Hole Oceanographic Institution
360 Woods Hole Road
Woods Hole, MA 02543-1541**

**Telephone: (508) 289-2950
Fax: (508) 457-2188
Email: gfd@whoi.edu
Additional information is available at:
<http://www.whoi.edu/gfd/>**

Prospective senior visitors, please email Rick Salmon at rsalmon@ucsd.edu

The Woods Hole Oceanographic Institution is an Equal Employment Opportunity/Affirmative Action Organization

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