Visitor Center Shares New Millennium Observatory Findings with the Public

For the second year, visitors to the HMC Visitor Center will be able to discover the secrets of the deep sea collected by the R/V T. G. Thompson during its June/July cruise. NeMO Cruise ’99 departs Victoria, British Columbia on June 20 for the Axial Seamount on the Juan de Fuca Plate 200 miles off the Oregon coast and 1500 meters deep. Thirty-four scientists on board will use high-tech equipment such as the remotely operated vehicles (ROPOS), rumbleometers and extensometers to facilitate deep sea experiments at the site. The cruise will end in Astoria on July 16.

Also on board the R/V Thompson will be Sunset High School teacher Greg Pillette, who will provide photos and daily reports of shipboard activities via satellite to Five Oaks Middle School teacher Steve Babcock. Steve will present Greg's updates to the public twice daily in the HMSC Auditorium, at noon and 3:00 p.m. Website information will be updated daily also. The NeMO website was developed by Andra Bobbitt of the NOAA VENTS program. The site to check is http://newport.pmel.noaa.gov/nemo/

Displays and exhibits in the Visitor Center will focus on NeMO events, including rock specimens from the Axial Vent, maps of recent seismic activities, crystal formation, animals of the vent community, NOAA-owned research vessels. Videos about undersea vents will be shown regularly; the Bookstore will have a large selection of appropriate materials; a dedicated computer in the Resource Room will have a selection of vent bookmarks. The Jason vent educational curriculum will be available to teachers both on the web and in hard copy.

Axial Seamount rumbled in January 1998 and the NeMO ’98 cruise confirmed an eruption had occurred. Sea floor faulting, deposits of new lava and deep hot springs with unique communities of marine life characterize the area. NeMO ’99 cruise will resurvey and resample sites tested last year, and survey new lava flows, investigating bacteria,
water chemistry and the deposits of new lava at the site.

Additional information on the Visitor Center/Education portion of the NeMO cruise, can be obtained from Vicki Osis or Bill Hanshumaker.
Gonzalo Castillo Travels Western Hemisphere

Gonzalo Castillo is completing his doctorate on introduced species in Oregon estuaries under Dr. Hiram Li and Dr. John Chapman. He is currently working as a research assistant to Steve Berkeley on juvenile sablefish biology. He previously finished his Master's in Fisheries at OSU and his bachelor's at the Universidad de Concepción in Chile. While working in Talcahuano in central Chile with pelagic and larval fishes, he decided to further his education in the United States. Gonzalo was actually born in Arizona while his father was a graduate student at the University of Arizona, studying ground water. After that, the family lived and worked in Nicaragua and Costa Rica, before settling back in Chile.

When he completes his degree, he is looking forward to working in the United States and doing collaborative work with fellow Chilean classmates who are now university professors back home. There is not much research funding available in Chile, except for consulting. Private companies often hire consultants to gather data to challenge governmental regulations and restrictions.

Gonzalo's first impression of the United States (when he returned as a graduate student) was all the machines that we use in place of people. In Chile, when you drive into a parking lot, someone will wave you over to a parking place. When you want to buy a newspaper, you go to a street vendor, not a newspaper machine. He was also surprised at the huge numbers of airplanes flying into our major airports, quite unlike even major airports in Chile. For enjoyment, Gonzalo attends Toastmasters, a fun way to meet people, learn new things and improve one's public speaking abilities. He also enjoys hiking, beachcombing and diving, especially in warm tropical waters.
1999 Scholarship & Research Award Winners Announced

Over $90,000 in scholarship and research money was awarded May 27, as all but the Jones Award (given in January) winners were chosen by the selection committee. Competition was greater this year than last. The Wiancko Award is brand new and the application period will not be closed until June. The Wiancko Award is to support interns working on public education projects in the HMSC Visitor Center. The following is a list of the award winners:

**Holt Marine Education Award**

- Henry LaVigne and Vicki Osis - Field trip programs for K-12
- Amy Windrope and Bill Lunch - Coastal Erosion at Neskowin

**Jones Memorial Award** (awarded in January)

- Shin-Hee Kim and Haejung An - Histamine formation in tuna

**Markham Awards**

- Haian He and Michael Morrissey - Use of hydrostatic pressure to shuck oysters
- Hal Amogan and Paul Reno - Investigations into *Nadelspora canceri* genome
- Yeung Choi and Jae Park - A new surimi processing method
- Umur Onal and Chris Langdon - Artificial diets for altricial fish larvae
- Scott Hecht and Paul Jepson - Uptake and accumulation of nonylphenol through food chains
- Ebru Onal and Chris Langdon - Spray-dried algae as oyster food
- Bill Pinnix and Steve Berkeley - Effect of environmental variability on sablefish growth
- Gabriela Montaño and Hiram Li - Age determination of red sea urchins
- Blaine Griffen and Chris Langdon - Biology of burrowing mud shrimp

**Reynolds Scholarship**

- Colin Chapman and Steve Berkeley - Effect of maternal age on offspring survival in black rockfish

**Schwantes Memorial Award**
EPA's two newest post-docs span both East and West. Yongsik Sin comes to the HMSC via the Virginia Institute of Marine Science (VIMS) from Korea, and Jonas Gunnarsson comes to Oregon from Sweden.
Yongsik Sin

Raised in Sunchon in southwest South Korea, famous for its hot pepper paste, Yongsik completed his Master's at Chun Nam National University at Kwangju. He went on to get his Ph.D. in marine science at VIMS, studying water column processes, phytoplankton and nutrient dynamics. He brought together ten years of data in an ecosystem model. Korea is just in the beginning stages of understanding and caring for their marine ecosystem and he plans on going back to Korea when the government provides more funding for such research. When asked what his first impressions were of the U.S., he said the clean air and the smiling people. With so many people in Korea, individuals tend to keep their personal space by not smiling or interacting with all the people on the crowded streets. Yongsik has an older brother who works in geological surveys for ground water and his father works for the government. For fun, Yongsik enjoys soccer, photography and playing his guitar.

Jonas Gunnarsson
Jonas has a very international background. Although he was born in Sweden, he left at age 4 with his family to live and work in the French-speaking section of Switzerland where he went to school. After completing his bachelor's in biology at the University of Lusanne, he moved back to Sweden for his graduate training at the University of Göteborg, his special interests being ecotoxicology and bioaccumulation. He was able to work at the Kristineberg Marine Research Station near Göteborg, which had recently been substantially upgraded by an influx of government money after a terrible toxic algal bloom in the waters off Sweden. He has worked both in the south of France and in Norway. His dissertation was on the interactions between organic enrichment and contaminants in marine benthic systems. Jonas loves the natural beauty of the United States, but was astonished at the number of obese individuals in the U.S. In his spare time Jonas loves skiing, having worked as a skiing instructor in Europe.

**Library News: The Ups and Downs of Joining the Orbis Consortium**

The Guin Library is now part of Orbis, the unified library catalog of fourteen colleges and universities in the Pacific Northwest. Through Orbis you have access to more than seven million books, sound recordings, films, video tapes, and more. To access Orbis, go to our online catalog (http://oasis.orst.edu) and then select the Orbis option on the left sidebar.

**The Upside:**

This is a great expansion of our resources. You will have better access to University of Oregon's holdings as well as the unique collections of others.

OSU students, staff and faculty can request items from their office, home, or the library. Check with the Library staff to see if you're eligible. To request items, search the Orbis catalog, select the item you want, then click on "Request this item." The system will ask for your name and an identification number (usually your social security number). Be sure to select the Guin Library as the pickup location. Orbis will let you know if the item is available, and responds when it has placed the request. Materials will be delivered for you to pick up at the Guin Library within three working days. They are due back at the Guin Library in 3 weeks (21 days), with fines charged for late materials. NB: Faculty will be assessed fines for late materials.

**The Downside:**

Bound journals now circulate for one day, and not for extended periods as before. We made the change for two reasons. Increased demand for photocopies from our journals by HMSC, OSU and Orbis users is hard to satisfy when the journals are off the shelf. Secondly, if we kept our old borrowing period, that would apply to all users in the Orbis system; I didn't want our journals to get shipped off to another campus. If you have a bound
journal checked out that you think should not be restricted to one day, let me know. I will reconsider items such as annual reports, technical reports, etc.

If you get an electronic overdue notice, you can either return the item or renew it. You can renew your own items from the http://oasis.orst.edu page. Select the "View Your Circulation Record" from the left sidebar and type in your name and ID. When you click on what you have checked out, you can renew it.

The Future:

First, let me know if you have questions or problems with the new system. We are still working to make it a smooth process. In July, we hope to offer article delivery for journals OSU doesn't own in a way that you can generate the request and have it faxed directly to you. We are also experimenting with using Orbis for article delivery; right now it is just for books, theses, reports, videos, etc. We are also experimenting with self-service checkout. No more filling out of book cards or those little white slips. The terminal will be on the Circulation Counter when we have the system in place.
John Vostinak Joins Physical Plant Staff

John Vostinak, new trades/maintenance worker, brings a wealth of hands-on experience to our physical plant staff. Raised in northern California, John began his college years at Yuba College and finished his B.A. in Education at Southern Illinois University while in the Air Force. He served as inventory manager for fighter aircraft and after he was mustered out, he ran his own construction company. That began to consume all of his time, so he started doing maintenance for Portland high rises and worked for Reed College for six years.

With his outdoor interests, he wanted to move back to a rural community and so applied for the position at the HMSC. He is married and recently became a father to his first born, a son. He enjoys hiking, fishing, the outdoors and creating things from wood and other materials.