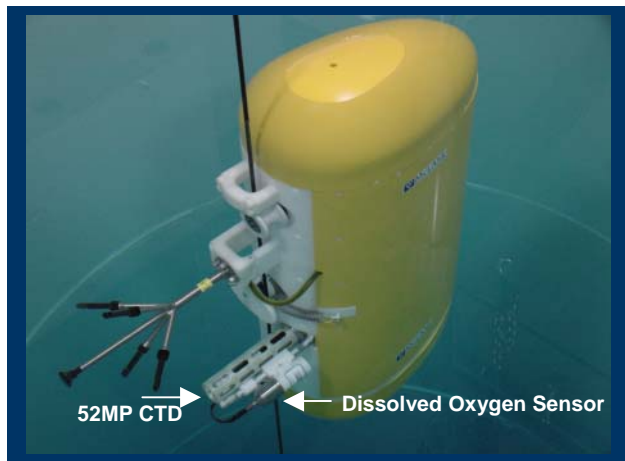




MMP Available with Dissolved Oxygen Sensor

The MMP now supports the Sea-Bird 52MP CTD with optional Dissolved Oxygen Sensor.



MMP with a 52MP CTD Dissolved Oxygen Sensor

continued on page 2

Win an iPod Shuffle!

Attention McLane Customers! Are you collecting sediment, phytoplankton, zooplankton or water samples with the **OLDEST** McLane instrument? Send an email to mclane@mclanelabs.com with the following:

- ◆ Your contact information
- ◆ Serial number
- ◆ Purchase date
- ◆ Most recent deployment details
- ◆ A photo (if you have one)

The owner of the oldest McLane instrument in use wins a new iPod Shuffle! Entries will be accepted until 31 December 2005.

Front Page News!

McLane was front page news in February when Sea Technology Magazine (www.sea-technology.com) chose a McLane instrument recovery for its cover.

The Phytoplankton Sampler (PPS), Remote Access Sampler (RAS) and Time Series Sampler Incubation Device (TS-SID), were being recovered from a deployment in the Northwest Pacific ocean aboard the R/V Mirai (operated by JAMSTEC). The photo was taken by Woody Pfitsch. ❖



Sea Technology Magazine February 2005 Cover

McLane Photo Gallery

Thanks again to customers who sent photos of McLane instruments in action! If you capture photos of our instruments in the field, email them to us at mclane@mclanelabs.com for our next newsletter! ❖



Harmful Algal Bloom (HAB) Deployment
Photo Courtesy of Mooring Systems, Inc.



Sediment Trap Above the Seafloor
from the Alvin Submersible
Photo Courtesy of Dr. Stace Beaulieu



WTS-LV Sampling Cold-Core Cyclonic Eddies
in the Hawaiian Islands
Photo Courtesy of Dr. Claudia Benitez-Nelson

... MMP with 52MP CTD (continued from p. 1)

The SBE 52MP was deployed on an MMP off the coast of Washington State in April.

The MMP also supports the Falmouth Scientific Inc. (FSI) CTD, FSI Acoustic Current Meter, Sea-Bird Underwater Inductive Modem (SBE 44), Seapoint fluorometer and turbidity sensors, and Wetlabs CDOM fluorometer. ❖

MMP On Scientific American Frontiers

An MMP appeared this February on the nationally televised program "Scientific American Frontiers." The documentary "Hot Climate, Cold Comfort"



shows the MMP being deployed to monitor salinity in the Gulf Stream as it flows North and South off the US East Coast. The

program explains how global climate changes affect the ocean and details how warmer temperatures increase the fresh water flow in the Greenland and Nordic seas thus decreasing salinity in the North Atlantic. Featured scientists explained that decreased salinity could slow or stop the circulation of the "ocean conveyor belt" that drives worldwide climate. The MMP can be viewed in Part 3 of "Hot Climate, Cold Comfort" at the PBS website <http://www.pbs.org/saf/1505/index.html>. ❖

WTS-LV Deployed Worldwide by URI and WHOI Scientists

A team at the University of Rhode Island deployed multiple WTS-LV systems during the year, with all-plastic 3-tiered filter holders. Scientists reported "successfully using multiple 3-tier systems on four cruises" in the Atlantic Ocean, Aegean Sea and Arctic Ocean. The pumps were redeployed this Spring in the Mediterranean Sea aboard the R/V Endeavor.

Also, McLane WTS-LV pumps and Sediment Traps

continued on page 3

... WTS-LV Worldwide (continued from p. 2)

were deployed in Winter 2005 when a team from the Woods Hole Oceanographic Institute departed from San Diego, CA to Manzanillo, Mexico aboard the R/V Atlantis. Once on station at the East Pacific Rise, a WTS-LV was deployed every other day. The pumps were deployed at 2,500m depth.



Guiding a WTS-LV Back Onto the R/V Atlantis

The Mooring Group, was “delighted with the performance of the pumps on this cruise” and reported a perfect success rate with 5 “great” samples out of 5 deployments on the moorings and 3 successful samples from 3 on the wire. Each deployment pumped about 40,000 liters of seawater with 50 L/min pump heads through a 63- μ m filter.

In addition to the pumps, McLane Sediment Traps were deployed for the two weeks on station. The Sediment Traps were then recovered to collect and analyze samples. At the end of the cruise the Traps were redeployed for a long-term study. ❖

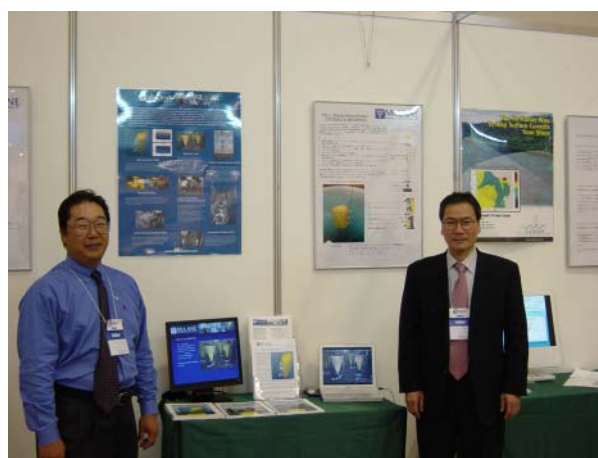


WTS-LV Above the Seafloor at the East Pacific Rise,
Photo from Alvin Submersible

3S Ocean Network Ltd. Attends Techo-Oceans '04

McLane representative in Japan, 3S Ocean Network Ltd., sponsored a booth in November at Oceans 2004 in Kobe, Japan. It was a wonderful opportunity for McLane to meet North Pacific customers in person, answer questions about current equipment, and talk about future deployments of new equipment!

Thanks to Mr. Kazuhiko Suguro for his hard work in organizing the display and hosting our many Japanese customers. Domo arigatou gozaimasu!



McLane Reps 3S Ocean Network Ltd.
at the Booth in Kobe, Japan

Our next scheduled conference is **Oceans 2005** in **September** in **Washington, D.C.** The McLane booth will have the new Sediment Trap prototype, a WTS-LV, and a full-size MMP on display. Stop by **booth #145** for a visit! ❖

New Documentation

New WTS-LV and Sediment Trap User Manuals have been published. The manuals are updated for firmware changes and reorganized with step-by-step instructions and many color photographs. New product data sheets are also available.

McLane documentation can be downloaded from our website or email us a request and we can send it to you via mail. ❖



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ADDRESS CORRECTION REQUESTED

McLane Introduces Smaller Sediment Trap!



McLane Research Laboratories, Inc. has designed the next generation of our Sediment Trap. Smaller (at half the size) and lighter than the traditional PARFLUX Mark 78H Trap, the **new Mark 8** prototype features field-proven components from the traditional Trap – electronics, rotator assembly, drive motor, honeycomb baffle and collection cone.



The Mark 8 Trap cone area is $.25\text{m}^2$ (while the traditional trap is $.5\text{m}^2$). Samples are collected in the same 250ml bottles installed on the PARFLUX Mark 78H-21 Trap.

This Sediment Trap prototype will be on display in the **McLane booth** (#145) at the **Oceans 2005** Conference in September.❖

More

New Product Enhancements

Inside!
