

EQUIPMENT LEASING NEWSLETTER

March 2004

NEW ASL EQUIPMENT OFFERED FOR THE 2004 FIELD SEASON

Wave Measurement

Current Measurement

Ice Measurement

Sediment Transport

Fish Habitat Studies

Coastal Engineering

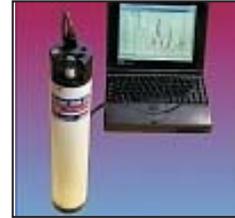
ASL

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D&A Instrument Company OBS-3A turbidity sensors. Each unit also has pressure and temperature. Burst sampling of pressure also allows wave height measurements. These are the latest turbidity sensors product by D&A and replace our OBS-3's.



Richard Brancker XR-420 CTD. This is a less expensive unit intended primarily for coastal applications. It is small (0.4 m long) and light-weight (1.2 kg in air), and easy to use from small boats. ASL now offers a choice of four CTDs: the Seabird SBE19-03, two AML STD12's, and this XR-420.



More **ORE CART acoustic releases.** These can be used in taut-line moorings or for deploying bottom frames, or as pop-up buoys. They are rugged (750 kg lifting and 500 kg release) and respond with orientation and status. We have upgraded our second AMD acoustic release deck box, so that both deck units can now receive/range.



Oceanetics Measurement Ltd pinger receiver. In collaboration with OML, we have developed a multi-frequency pinger receiver (27, 37 and 45 kHz). The omnidirectional hydrophone sends the signal to headphones and a large speaker on the deck box. This receiver was developed specifically to listen to tilt-pingers to ensure that bottom frames are deployed upright.



Forest Technology Systems weather station. This is a complete station provided in a shipping trunk for maximum portability. Power is supplied by a solar-charged battery. Sensors include wind speed/direction, temperature & humidity. Other sensors can be easily added. It comes with a 10-meter high mast.



And coming soon....
ASL's new digital noise recorder. This real-time system is typically used to monitor underwater noise from construction projects, vessel noise, marine mammals, etc. The omnidirectional hydrophone is calibrated over a frequency range of 100-50,000 Hz. Data are digitized and stored on a PC. Real-time software displays signal levels, spectral density plot, etc.



**Ask us about our line of highly configurable
bottom frames and stands for sonar instrumentation.**

"Reliable Rentals at Reasonable Prices"

ASL continues to offer all equipment to our U.S. clients F.O.B. Bellingham, WA.