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OCEAN NEWS & TECHNOLOGY

Kongsberg Simrad's Dynamic Positioning Systems



Ships, Navigation and Positioning

The Ocean Industry Magazine

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UNDERWATER VEHICLES

tems engineering to clients primarily operating in the Gulf of Mexico. It will particularly focus on providing ROV services on a call-out basis and remote intervention support to companies involved in all phases of deepwater exploration, drilling construction and production. The principals of the company include John Edwards, Martin O'Carroll and Cliff Chamblee. Canyon will take delivery of two TRITON XL Work Systems this summer, both depth-rated at 6,000 feet. Call (713) 461 6772.

SMD CMROV



Under contract to Telecomunicaciones Marinas S.A. of Spain, Soil Machine Dynamics Limited (SMD) has delivered its Cable Maintenance ROV (CMROV), called *Nereus*. The Vehicle can operate in either free swimming or tracked mode and can operate to 2,000 meters. With 150 kW installed power, the vehicle is significantly more powerful than the current SCARAB ROV operated from Temasa's Cables ship *Atlantida*. Features built into the vehicle include a jet tool which was manufactured in Spain and designed by the SCARAB III team to bury cable up to 1 meter deep in soft seabed conditions, a combined TSS 340/350 pipe and cable tracker and two position controlled Schilling Conan manipulators used to deploy and operate a cable cutter and clamp. The system will be installed on Temasa's 84-meter Cables ship *Teneo* which operates from Valencia, providing a repair facility for submarine cable systems installed in the Mediterranean region. This vehicle is the third of its kind to be produced by SMD. Call +44 191 234 2222.

Sonsub Completes Trenching

Sonsub International, under contract to McDermott Submarine Cable Systems Ltd., has successfully completed sub-

sea operations assisting in the repair and burial of Korea Telecom's fiber-optic telecommunications cable for Alcatel TCC of Port Botany, Australia. The cable crosses the Yellow Sea from



Purpose-built plough attached to FLEXJET II Qingdao (Tsingtao) in China to Daesan in Korea. Sonsub mobilized its FLEXJET II subsea trenching vehicle aboard the DSV Rockwater 2 and retrieved the cable from 195-ft. of water for repair operations. After deploying the FLEXJET II for pre-burial surveys, McDermott Subsea Cable Systems used a purpose built plough attached to the FLEXJET II to bury the cable to a depth of 3 meters below the seabed. Call (281) 552 5600.

Oceaneering Gets ROV Work

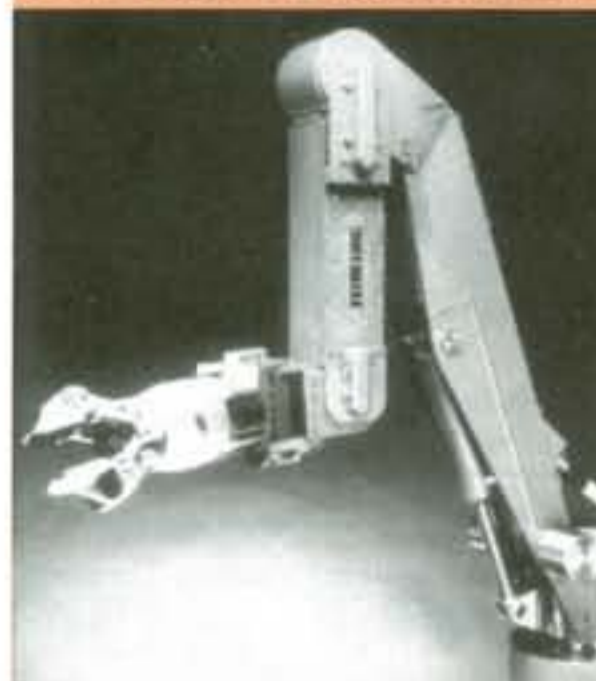
Oceaneering International, Inc. has won its first contract for its latest generation of Hydra® ROVs, the MILLENNIUM, from Shell Oil Company. The vehicle will be deployed later this year on the semisubmersible *Offshore Marianas* in the Gulf of Mexico. The MILLENNIUM is a 150-hp. high performance work class ROV developed specifically to operate in water depths greater than 10,000 feet. The new vehicle is based on the proven MAGNUM series design. Call (504) 395 5247 or fax (504) 395 5443.

Navy Looking at Manta ROV

A new concept for a submarine launched ROV for shallow water operations is under investigation by the US Navy. The vehicle, looking like a manta ray, is to be hidden in the skin of the submarine and deployed to destroy an enemy submarine, navigate the sub through dangerous waters or conduct surveillance operations. The Manta is under development at the Naval Undersea Warfare Center and has been funded at about \$500,000 to date. It is expected to cost \$50-100 million to construct a full size version of the vehicle.. **ON&T**

ROV Manipulator News

Schilling Robotic Systems - reports an unprecedented number of sales to UK clients for the 1st quarter of 1997. Sales of 11 TITAN III arms going to Coflexip Stena Offshore Ltd., Fugro-UDI Limited, Sonsub International



Ltd., and Stolt Comex Seaway. The TITAN III is a third-generation manipulator system based on SRS's

family of TITAN products. Call (916) 753 6718 or fax (916) 753 8092.

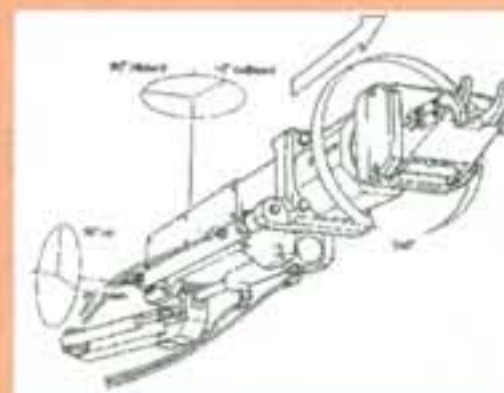
Kraft TeleRobotics Inc. - has introduced a new arm called PREDATOR. The PREDATOR is a 7 function, position controlled, master/slave manipulator system with force feedback an option. The arm is a powerful, long-reach, high dexterity manipulator for the



completion of remote work tasks in the deep ocean, and hazardous inland environments. Constructed primarily of anodized aluminum and stainless steel, it is rugged, reliable and completely field serviceable. It has a dry weight of 160 lb., wet weight of 98 lb., an 80-in. reach and lift capacity of 200 lb. at full extension. PREDATOR is priced at \$119,000 complete. Call (913) 894 9022 or fax (913) 894 1363.

Slingsby Engineering Limited - has announced the sale of the 100th TA16 Manipulator.

The system is one of five TA16s recently purchased by Subsea Offshore Ltd.



The system is a 5 function rate controlled grabber, easily mounted on a variety of ROVs and submersibles. The TA16 features a 300 mm. extension and is cable of gripping 50 mm. to 300 mm. diameter objects with forces to 272 kg. Call +44 1751, or fax +44 1751 431388.