MAY 2001 THE INDUSTRY'S RECOGNIZED AUTHORITY FOR DESIGN. SEA LECHN JOHN B. LACSON ENGINEERING AND APPLICATION OF EQUIPMENT AND SERVICES IN THE GLOBAL OCEAN COMMUNITY WORLD-WIDE INFORMATION LEADER FOR MARINE BUSINESS, SCIENCE & ENGI COMMUNICA DATA PROCE ONS, TELEMETRY

# SEA TECHNOLOGY.

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May 2001, Volume 42, No. 5

## **INCOUSTIC MODEM MULTI-ACCESS NETWORKING FOR DATA ACQUISITION**

Porta (Benthos Inc.), Joseph Rice (SPAWAR Systems Center) and Dan Codiga property of Connecticut) detail the general need for multi-access bidirectional property of Connecticut (Section 2015) and the section of the sec

#### ANNUAL MEETING ATTRACTS INDUSTRY AND POLITICAL LEADERS

Tomas J. Michels (National Ocean Industries Association) reviews the NOIA Annual leating and the Safety in Seas award presentation.

#### TOWARDS REAL TIME ACOUSTIC VIDEO TELEMETRY

Stephen A. Pointer (DERA Fellow) describe the development of a real time acoustic video telemetry link incorporating multimode acoustic moderns and novel arror resilient image compression techniques.

# FLEETLINK: COLLECTION & TELEMETRY OF OCEAN AND WEATHER DATA

Ann Bucklin (University of New Hampshire), Cliff Goudey (MIT Sea Grant Program), Peter H. Wiebe (Woods Holes Oceanographic Institution) and W. Gary Williams (Clearwater Instrumentation Inc.) detail the FleetLink system, a integrated sensor system and shore-based data management system that is designed to collect, telemeter, manage and distribute high-quality, synoptic environmental data.

#### GREAT DISMAL SWAMP NWR: CONTINUED SWAMP ACREAGE LOSSES

Alan D. Wilson (Managing Editor) reviews the swamp ecosystem and details how technology is working, along with strong management, to restore the natural biological diversity of the Great Dismal Swamp NWR.

### WORLDWIDE BEACON DGPS

Gunnar Mangs, Satish K. Mittal (Leica Geosystems Inc.) and Thomas A. Stansell Jr. (Stansell Consulting) detail the status and operational issues, equipment shortfalls, regulations and pending changes of the DGPS system.

#### THE ASIMOV ACOUSTIC COMMUNICATION SYSTEM

Joao Gomes, Professor Victor Barroso (Instituto Superior Technico), Gerard Ayela and Pascal Coince (ORCA Instrumentation) review the main purposes of the ASIMOV project and its potential applications of AUVs for scientific missions.

## NOAA SATELLITE ACTIVE ARCHIVE & DERIVED ENVIRONMENTAL PRODUCTS

Jeffrey A. Manning (Science and Technology Corp.) and Alex Kidd (NOAA/NESDIS Satellite Active Archive) detail components of the SAA-Lite system along with the Sea Surface Temperature products created at NESDIS.

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Doesn't describe to the International Marine Communication Services of Corporation's Ocean Net being towed away from its launch/recovery/transport (LRT) barge. These 5-meter describes described buoys carry sufficient fuel to transmit broadband data (2 Mbps) via back to shore for 6 months from seafloor (5,000 meters) sensors. This system has transported to the International Marine Centre (IMC) in Sardinia, Italy, to support a foor observatory for the Global Ocean Observing System (Med-GOOS) initiative.

Month—Scanning Hydrographic Operational Lidar Survey (SHOALS). Technology technology pull and the history of hydrography in the 20th century. New tool for prospective sidescan and interferometric bathymetry data. Fabrication, testing and installation defined target spheres for AUTEC's passive sonar calibration system.

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