

# Contents

## On the Cover



12

An artist's conception of the finished World, a giant island-creation project underway in the Persian Gulf. When completed, 1,500 miles of shoreline will have been added.



38



57

## Features

- 12 Ten Quintillion Grains of Sand: RTK GPS Positioning Guides Construction of "The World"**  
300 million cubic meters of sand are being dredged from the bottom of the Persian Gulf as Dubai creates a 60-square-kilometer fantasy archipelago of luxury resort islands.  
*By Paul Haase*
- 38 Explorers, Surveyors & Mappers**  
The interrelationships of footsteps and deeds rule surveying today. They were just as important more than two centuries ago as the work of several explorers built knowledge about the North American continent.  
*By Marc S. Cheves, LS*

## Departments

- 24 Surveyors Report: Tomorrow's Surveyors**  
How to attract the next generation of surveyors? A young licensed surveyor speaks up.  
*By Christopher N. Ambourn, LS*
- 27 Surveyors Report: The "Trust Me" Syndrome**  
A Washington surveyor discusses the need for adequate information on the maps we prepare.  
*By C.E. "Chuck" Whitten, LS*
- 30 QA/QC: Quality Assurance in Surveying & Mapping, Part 2**  
Success doesn't just happen. Here are five steps to help you attain it!  
*By Fred Henstridge, LS*
- 57 ProFile: John Matonich of Rowe Incorporated**  
An active volunteer at the local, state, and national level, this Michigan native is known for "surveyin' da situation."  
*By Marc S. Cheves, LS*
- 66 Software Review: Transform for Windows**  
This adjustment software is designed to reduce the time spent analyzing prior surveys and improve the defensibility of work products.  
*By Mary Ann Corcoran, LS*

## In This Issue

- 6 Guest Editorial: Relative Positional Accuracy**  
Columnist Kent addresses the continuing confusion over this requirement for ALTA/ACSM surveys.  
*By Gary Kent, LS*
- 10 Point to Point: Survey Record Indices**  
Continuing with the theme of valuing a survey business, our Associate Editor stresses the importance of indexing survey records.  
*By Joel Leiminger, LS*
- 73 Advertisers' Directory**
- 74 MarketPlace**
- 80 Vantage Point: Wired for... Notice?**  
How electronic notification is changing the way we do business.  
*By Wendy Lathrop, LS, CFM*