

Technology, Business & You

GPS/Satellite Technology Pays Big Dividends To Industry, Government And Consumers

(NAPS)—Centuries ago, navigators used to steer their ships by the stars. Today, information that comes from the sky continues to help direct people, no matter what their mode of transport.

The recent advances in global positioning system (GPS) that utilizes satellite technology have made navigation an even more precise science that is being put to use in numerous ways to increase productivity, efficiency, safety, scientific knowledge and quality of life.

Scientists, businesses, engineers, military experts, government officials and more will be exploring these advances at an international GPS exposition and conference, sponsored by the Satellite Division of the Institute of Navigation. The event will highlight the increasing capability of GPS to benefit industry, including:

- **Agriculture**—Intelligent farming: Using GPS and satellite technology to help remote-control tractors pinpoint seeding/harvesting operations.

- **Aviation**—Civil aviation needs including: departure, terminal, oceanic and enroute operations; non-precision and precision approaches; auto-landing; and surface navigation.

- **Automotive**—Better tracking/coordination of auto parts en route to assembly plants, locating shipments of cars to distributors/dealers, improved in-car navigational/mapping systems.

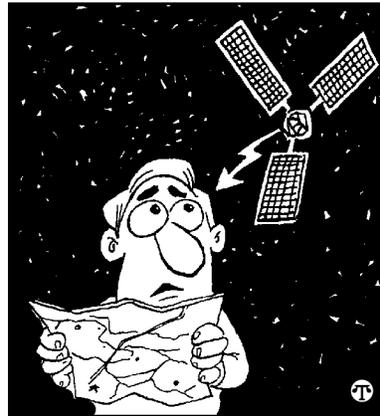
- **Car Rental/Tourism**—Navigation for travelers unfamiliar with roads, weather conditions, construction, etc.

- **Communications**—Cell phones, tie-in locators for emergency response.

- **Defense/Military**—Used in Persian Gulf for missile guidance, terrain mapping, locating enemy positions, improving accuracy of weapons, search and rescue.

- **Environment/Ecology**—Natural resource management.

- **Geological**—Improved topo-



Where in the world are you? New technology, thanks to the Satellite Division of the Institute of Navigation, now makes it easier to tell.

graphical mapping.

- **Marine**—Enforcing fishing boundaries and regulations, locating more productive fishing areas, avoiding hazards.

- **Mining**—Accurate location of mineral deposits, mining by remote control.

- **Package Delivery**—Accurate tracking of packages, fleets.

- **Public Safety**—Improved mapping of underground utilities (gas, electric, water, sewer lines, cables) for faster access, emergency response.

- **Recreation**—Hiking/camping: navigating unfamiliar territory, wilderness rescue.

- **Transportation**—Tracking and managing truck, rail and cargo ship fleet movements, improved roadway maintenance, emergency response.

The Institute of Navigation is the leading global institute for advancing technology related to navigation, serving as a catalyst for bringing together the world's greatest minds for enhancing the safety and accuracy of navigation and for improving the quality of life. To learn more about the Institute or GPS 2000, visit the Web site at www.ion.org.