



## In this issue

- Meet the winner in our drawing for a Trimble GPS System
- Important Announcements
- New Products
- Training Schedule
- Technical Tip
- New Technology



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*Trimble GPS system winner, Nancy Thompson,  
with Duncan-Parnell representative, Wes Worrell*

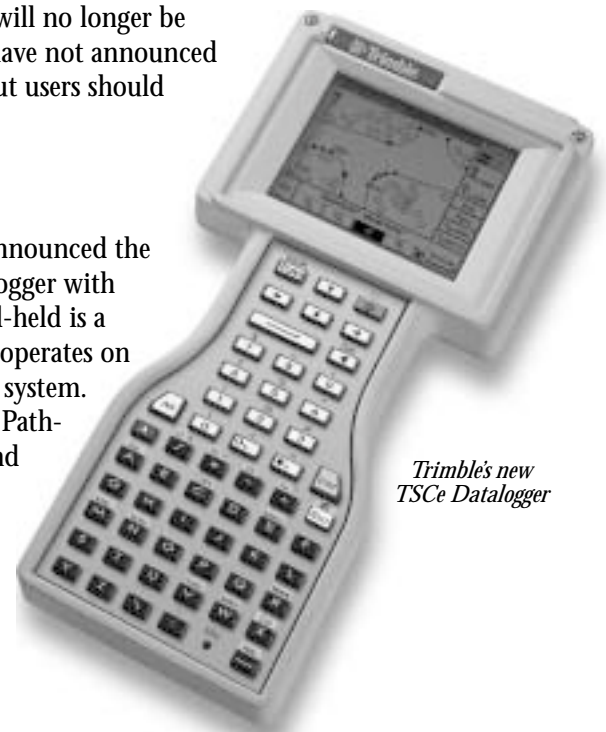
class held in November in Oak Ridge Tennessee. Nancy is pictured above with Wes Worrell, Duncan-Parnell's central and western Tennessee sales representative.

### Compact Flash Card Damages Caused by US Mail Irradiation.

The CompactFlash Association has announced that semiconductors used in electronic systems, including CompactFlash CF I/O cards would be irreparably damaged if subjected to the irradiation process that has been used by the US Postal Service to sanitize the mail. The damage will not only cause loss of data stored on the cards, but the cards will no longer be operable. Other delivery services have not announced plans to use irradiation systems, but users should remain alert for changes.

### Trimble Mapping/GIS Division Announces TSCe Field Device.

Trimble's Mapping Division has announced the availability of the new TSCe datalogger with TerraSync software. The new hand-held is a rugged, field proven device which operates on Microsoft Windows CE operating system. The unit can connect to Trimble's Pathfinder ProXL, XR, XRS, Pocket and Power GPS receivers. It features a large color display, 64mb of RAM with a 200MHz processor, rechargeable battery that produces 30 hours of operation, three communication ports and many other features.



*Trimble's new  
TSCe Datalogger*

## Announcing



### Congratulations!

Nancy Thompson from Memphis Tennessee is the proud owner of a Trimble ProXR mapping GPS system. Nancy's name was drawn from the entries to our ProXR give-away in 2001. Nancy also won a seat in our two-day Mapping/GIS training



## Training

### Mapping Classes

**GPS Mapping for GIS with Asset Surveyor, GeoExplorer 3, or TerraSync.**

Learn how to effectively collect and process GPS/GIS data with the Pathfinder Pro XR/XRS, GeoExplorer 3, TerraSync and Pathfinder Office. Topics include planning a project, creating a data dictionary, hands-on field exercises, processing, and exporting data to GIS or CAD. **15 PDH Credits**

### Land Surveying Classes

#### **Postprocessing Surveying.**

This two-day course is designed for users of the new Trimble Geomatics Office software suite and those using land surveying grade receivers with or without TSC1 with Survey Controller. Course includes network design, hands on field exercises, baseline processing, and network adjustment. **15 PDH Credits**

#### **Real-Time Surveying.**

This three-day course is designed for GPS Total Station users on the TSC1 with Survey Controller and Trimble Geomatics Office. Includes base station setup and rover initialization, GPS site calibration, feature coding, and stake out. **21 PDH Credits**

For the latest class schedule or to register for a course, go to [www.duncan-parnell.com](http://www.duncan-parnell.com).

On-site training is available.

Special pricing for groups of six or more and educators.

For more information or to register for a class contact Clay Pate, PE at 800-353-7392. Or you can e-mail Clay at: [cptrmbtrnr@aol.com](mailto:cptrmbtrnr@aol.com)

## News



## items

### **Location, Location, Location...**

Our very creative clients, like the two below, are always finding new methods for locating those difficult point and line features. Got a story you'd like to share? Contact us and we'll spotlight your creativity in a future issue of WaveLengths.



Meet Rufus Love and "Pete" of Pyramid Land Surveyors in Davidson, North Carolina. Pete is used to transport the operator and his GPS System along fence lines and creek centerlines in steep and difficult terrain. Rufus advises that you need the right horse for the job – one that will stand still when you need it!

Coy Sullivan of Ducks Unlimited in Edenton, North Carolina adds a whole new dimension to boating. Pictured here with a stick control for his air boat in one hand and data-logger in the other, Coy locates water and habitat features in the lowlands of Eastern North Carolina.



### **Trimble Land Survey Division Announces Servo Total Station Promotion.**

The Trimble 5600 Servo optical total station is being offered at significant (over 20% off of normal pricing) savings through May 2002. While mechanical total stations suit users who perform relatively few measurements, the servo driven instrument is the best choice for those who make numerous measurements leading to as much as 30% increases in productivity. The special will include both the three and five-second models, all of which are upgradeable to fully robotic total stations. The Swedish made precision instruments are also available with Geodimeter's industry leading, Direct Reflex (DR200+) prism-less measuring capability which is ideal for mining, landfill, tunneling, bridge work, crime scene investigations and all normal land surveying applications.

#### **Upcoming Regional Events.**

- Tennessee Geographic Information Council, March 25-27, Murfreesboro, TN. [www.tnsic.org](http://www.tnsic.org)
- ACSM/FIG/ASPRS Spring Conference, April 19-26, Marriott Wardman Park, Washington DC. [www.acsm.net](http://www.acsm.net)
- SC Society of Professional Land Surveyors Annual Convention, May 15-19, Ocean Dunes Resort, Myrtle Beach, SC. [www.scspls.com](http://www.scspls.com)

## News items

**Technical Tip: Exporting an ASCII file in Pathfinder Office**, by Clay Pate, PE. Sometimes you want to create your own ASCII Export Setup in Pathfinder Office in order to use a particular format and include only certain pieces of information



*Clay Pate*

from your GPS data file. Many surveyors want the data to be in a Point Number, Northing, Easting, Elevation, Description (P, N, E, Z, D) format. Trimble has created a technical tip describing in detail how to create your own customized ASCII export. Visit the following web page [http://www.trimble.com/pathfinderoffice\\_ts.asp?Nav=Collection-2372](http://www.trimble.com/pathfinderoffice_ts.asp?Nav=Collection-2372) and click on How to Create a Configurable ASCII Export Setup in Pathfinder Office.

Note: You need to have Adobe Acrobat Reader installed on your computer to view the technical tip.

### Meet Jeff Douglas, Duncan-Parnell GPS and Optical Equipment Sales.

Jeff Douglas joined Duncan-Parnell in October 2000. He began out at our Rocky Mount, NC location helping with the start-up of a CAD reprographics department. For ten years prior to this, Jeff operated his own company, which was in the CAD scanning and digitizing business. He services included creating digital files from manual drawings for architects, mechanical engineers and land planning design.

He joined Duncan-Parnell's GPS, Surveying and Mapping sales team in January 2001. Jeff's territory consists of western North Carolina, eastern Tennessee and northern South Carolina.



*Jeff Douglas*

Jeff attended Penn State University, Central Piedmont Community College, served actively in the US Marine Corps and has been associated with the Boy Scouts of America. He enjoys fishing, camping and travel. Jeff resides in Huntersville, NC and can be reached via his cell phone, 704-724-4333.

### Support Agreements Renewal Notification.

Duncan-Parnell will be assuming the Trimble support agreement, advance renewal notification process throughout 2002. We have a vast amount of records to filter and enter into our database, thus could use your assistance. If you have an active support agreement, and would like for us to monitor the renewal for you, please fax or e-mail the information that you have. The key information required is the type of agreement, product(s) covered, serial numbers and period covered.

In addition, and also when you send us orders for new support agreements, please provide us with a contact name, telephone and fax number, and an e-mail address. With this information, Trimble and Duncan-Parnell will be able to forward your passwords and codes for Internet downloads.

### Attention Mapping/GIS Users – Used Equipment Sale.

We have a limited number of Trimble Pathfinder ProXR/TSC1 demonstration systems for sale. These are 12 channel, GPS/Beacon receivers with all standard cables, antenna, batteries and charger. These units will have the new Pathfinder backpack, Pathfinder Office Software and will have a 90-day warranty. Call us now for details.

## Rentals

### GPS Equipment Rentals.

- **Mapping grade package.**  
A complete mapping system with asset management and differential correction software, offers sub-meter accuracy for wetland delineation, utility mapping, etc. \$150.00/day; \$600/week; \$1,200/month.
- **Survey grade fast static package, single frequency.**  
Three 4600 receivers, tripods, tribachs, adapters, GPSurvey software, all cables, hard cases and 64 hours of datalogging memory. \$100/day; \$400/wk.; \$1,600/mo.
- **Survey grade RTK package, dual frequency.**  
Complete system includes two receivers, base radio, datalogger, Survey Office software, antennas, batteries, charger, cables and cases. \$400/day; \$1,600/week.

## FYI

### Trimble's Latest Version Numbers.

#### Survey Software and Firmware

- Trimble Geomatics Office: V1.50
- Survey Controller – TSC1: V7.70
- Survey Controller – TSCe: V10.0
- 5700 Receiver: V1.04
- 4700 and 4800: V1.30
- 4700 and 4800: V1.43
- 4600: V2.50
- Pac Crest RFM 96: V5.06
- Pac Crest PDL: FW V2.01

#### Mapping Software and Firmware

- Pathfinder Office: V2.90
- Asset Surveyor – TSC1: V5.22
- Pro XR/XRS: V1.52
- GeoExplorer 3: V1.20
- TerraSync: V2.10

# Duncan Parnell

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## WaveLengths

A newsletter for professional  
surveyors and mappers.

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*Products for Survey, Mapping, GPS.*



Spring 2002