

EMPLOYEE UPDATE

Volume 2, Number 6

Falls Church Division

July 1996

Wireless Products Marketed

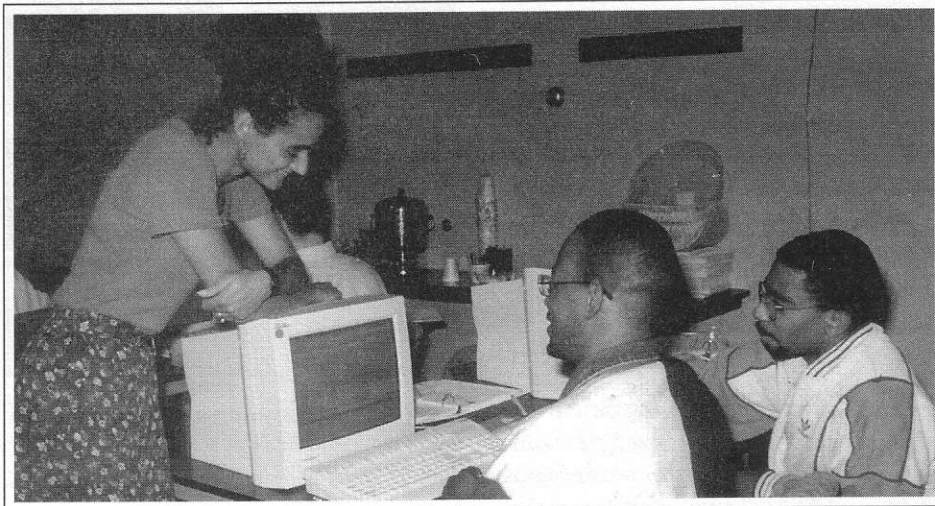
Falls Church Division will introduce a new line of advanced commercial DIVERSITY Wireless Products™ this summer which will offer cellular providers increased cellular call capacity, improved network efficiency and enhanced geolocation-based services.

In recent field tests with a major cellular provider, the fully adaptive Smart Antenna System (a DIVERSITY Wireless Product) doubled existing cellular capacity through "intelligent spectrum management," which allows the system to process at least twice as many channels as current systems by reducing interference and forming signal beams along the reception and transmission of energy. The system also can double the size of existing cell service areas.

Subscribers will benefit from clearer connections, fewer dropped calls and decreased signal fading. By reducing churn and increasing billable usage time, the system will enable cellular providers to achieve higher profit margins. Other new software applications using the DIVERSITY Wireless Product hardware platform are also proving they can satisfy new requirements for the cellular industry.

These wireless systems, which were pioneered by the Falls Church Division 15 years ago, offer the resources to promote increased cellular phone usage with advanced products that are easily integrated into a provider's existing cellular infrastructure. □

Spotlight on Training



Introduction to C++ instructor Dalida Nigro works with students Carlos Green and William Jordan during a hands-on training course.

Corporate Connection

The following items were culled from the Raytheon Company's home page and related Web links. Point your browser to <http://www.raytheon.com> to scan the latest press releases and news flashes.

Dividends Announced. Raytheon Company's Board of Directors has declared a regular quarterly dividend of 20 cents per share, payable July 29, 1996, to stockholders of record as of July 8.

Montek Merges with Raytheon Aircraft. The Montek Division of Raytheon E-Systems became part of Wichita-based Ray-

theon Aircraft on July 1. Montek, whose facilities in Salt Lake City cover 275,000 square feet, is an international leader in the design, development and manufacture of aircraft flight controls, precision landing systems and ground and ship-based navigation aids.

Garland Wins Navigational Safety System Contract. The Defense Mapping Agency (DMA) awarded a \$4.1 million navigational safety system contract to the Garland Division of Raytheon E-Systems with options of \$9.8 million. The system will provide advanced technology to automate the composition, compilation, maintenance and management of all navigation information processed by the Navigation Division of the DMA.

New General Managers in Place at Two Divisions. Raytheon E-Systems recently announced the appointment of two new General Managers: Michael Keebaugh is now Vice President and General Manager of the Garland Division in Texas; David Woodle succeeds Keebaugh as Vice President and General Manager of HRB Systems in State College, Pennsylvania. □

Tech Library Acquisitions

Three new books from Jane's Information Group are now available in the Falls Church Division Technical Library:

- *Fighting Ships: 1996-97*
- *Military Communications: 1996-97*
- *Unmanned Aerial Vehicles and Targets*

The Tech Library has also acquired a copy of the 1996 Thomas Register. To find out more about the Tech Library's services or resources, contact Librarian John Suggs at ext. 2157 or jsuggs@fc.



E-Teamer Revives Accident Victim

A quiet family outing on the Shenandoah River near Luray, Virginia, took a dramatic turn on July 5 when Paul Sullivan, Manager of New Program Development, encountered a struggling swimmer.

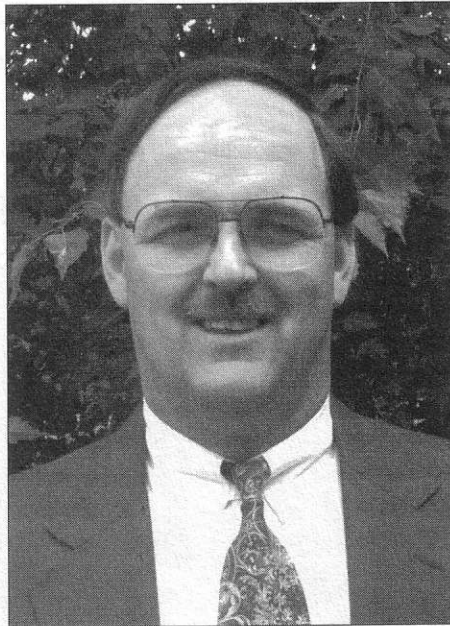
Barely a mile into their canoe expedition, Paul and his party stopped to observe the churning water at Compton Rapids. Paul noticed that a swimmer snorkeling in the middle of the river did not surface after a reasonable time. After being summoned from the shore, two bystanders waded into the rapids with Paul in an attempt to locate the swimmer. Paul spotted an individual under water who appeared to be wedged between two large rocks, but he and the others were unable to reach him.

With time running out, Paul and another rescuer — the victim's brother, it turned out — ran 15 yards upstream and jumped into the rapids, letting the current carry them toward the submerged swimmer. The two grabbed the unconscious swimmer, riding the rapids until they could float the victim to shallow water.

At this point, Paul administered CPR, a skill he learned during his 21-year Navy career. "I checked for a pulse—none," said Paul. "I checked for breathing—none. The victim was blue and completely limp. I knew he was gone and we had to fight to get him back." While initiating and maintaining chest compression patterns, Paul coached the victim's brother through the process of opening the air passages and the mechanics of mouth-to-mouth resuscitation. After about five minutes, the victim's pulse returned. At this point, a passing canoeist who happened to have a cellular telephone made a 911 call.

Some 20 minutes later, the swimmer displayed his first sign of movement when he grasped Paul's hand. Within five minutes, the first of two local rescue squads arrived on the scene and the victim was transported to an area hospital.

When the excitement subsided, Paul learned that the victim, 29-year-old Chance Liscomb, was a Peace Corps volunteer who had grown up near the very river that almost took his life. Although Chance did not regain consciousness until two days



Paul Sullivan attributes his recent rescue of a swimmer to the life-saving training he received in the military.

"I checked for a pulse... none. I checked for breathing...none."

after the accident, doctors determined that he had not suffered any brain damage. "My last call to the family indicates that Chance is making slow but steady progress," said Paul, "and I hope to visit him and his family once he is fully recovered."

Paul received refresher courses in CPR certification and basic first aid training every six months during his Navy career. At one point, he was a certified instructor and taught the course to fellow sailors. "My Navy-taught leadership and crisis management skills became almost as important as my CPR skills during the Shenandoah accident," said Paul. "The accident scene was very hectic and emotionally charged. It was second nature for me to take charge due to my military training."

In the weeks following the accident, Paul has been asked many times to describe how he felt when Chance began to respond to CPR. "I remember an overwhelming joy when he grasped my hand," said Paul. "At that moment, I felt life come back into that limp, lifeless body. It is a moment and feeling that I will long remember." □

Worth Noting

No Static At All. Falls Church Division's Amateur Radio Club meets the first Wednesday of each month in the Camden Room. The club is open to anyone with an interest in radio communications, not just licensed amateur radio operators. Ongoing and upcoming projects include: installation of a 440-MHz repeater at the Falls Church facility; creation of a club Web page; and amateur radio license training classes. For more information, contact Todd Mitchell at ext. 2619 (Falls Church) or Frank Parks at ext. 4850 (Vienna).

You're So Vein. Falls Church employees donated 71 pints of blood during the American Red Cross blood drive held on June 20. Donors who referred others to the blood drive received coupons redeemable for ten minutes of free long distance calling. In addition, T-shirts were awarded to every tenth donor. "The American Red Cross really put forth an effort in making the drive a success," said Health Center Coordinator Rosalie Georgeadis. "Thanks to all the donors—especially the ones we always depend on to show up."

Going for the Goal. Check out the Performance Race posters now on display throughout the Division. Jose Bouza and T Dang of the CAD group are featured for their efforts in reducing the drawing release cycle time by customizing AutoCAD menu systems. All E-Teamers are encouraged to help Falls Church achieve this month's performance goal: *Reduce cycle time for key products/processes critical to competitiveness.*

Science Rules. Hats off to the following Falls Church employees who served as judges at the 1996 Fairfax County Regional Science and Engineering Fair: Awards Committee Chairperson Sam Alexander, Chris Bulinkis, Kerry Kachejian, Charlie Kohnstam, Brian Ostrowski, Jack Prisciandaro, Bryan Ruffner and Doug Toppin.

Wheels Up. It's not too late to make summer vacation plans. For all your travel needs, from airline tickets to hotel reservations, call Raytheon's Travel One Leisure Desk at 1-800-800-1481. □