

# MELPARTICULARS

Volume 13, Number 7

E-Systems Melpar Division

October 1992

## E-Systems Melpar Division Wins Contract for High Temperature Superconductor Development

**E**-Systems Melpar Division has been awarded a \$7.8 million U.S. Air Force contract to develop High Temperature Superconductor (HTSC) technology in applications which could revolutionize the speed of electronic computing.

The contract is sponsored by the Defense Advanced Research Project Agency, which promotes research and development leading to advances in defense technologies. The Avionics Laboratory at Wright-Patterson AFB will administer the contract.

Funding for this effort follows a \$14.4 million program awarded to E-Systems last

year to lead a university/industry team in researching the use of HTSC materials in multichip module (MCM) applications. These HTSC MCMs operate at 77 degrees Kelvin—or -330 degrees Fahrenheit—and promise 10-fold size reductions and a two to three times improvement in performance.

Under the new 8-month contract, the E-Systems-led team will address continued research into HTSC materials, cooling technology, computer-aided design and engineering tool development, cryoelectronics and applications.

"This follow-on contract will provide indus-

try the cost-effective means to apply HTSC technology," said Program Manager Joe Yavulla.

Work will be performed at each of the team members' facilities, which includes the Massachusetts Institute of Technology, the University of Arkansas, Conductus Inc., the Georgia Institute of Technology, Superconductor Technologies Inc., DuPont, the Santa Barbara Research Center, Multilogic, Trans Science Corp., CTI Cryogenics, Carrier, Isothermal Systems Research, the University of Vermont, the University of West Virginia, nCHIP Inc., and E-Systems Greenville Division. **M**

## E-Teamers Make a Smooth Move to University Center



Engineer Yvonne Lemkuhl conducts antenna measurements on a seeker in University Center's anechoic chamber.

**A**fter nearly three years of planning, the Melpar Division successfully completed the move of its Fairfax location to the new University Center facility in Ashburn, Va.

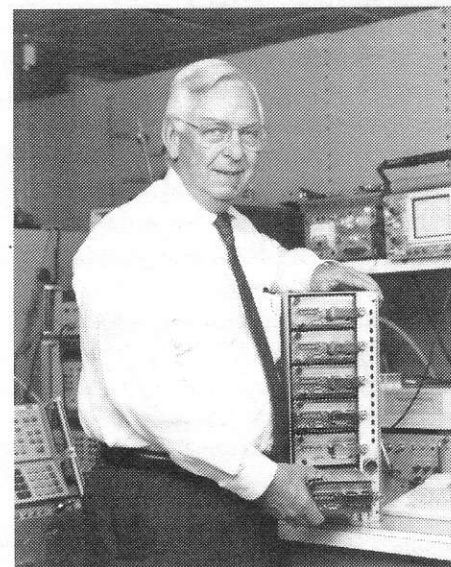
In all, 110 trailer trucks, forty-seven 22-foot longbed trucks, two cranes, approximately six weekends, 7000 man-hours by

subcontractors, and a well-coordinated and cooperative E-Teamer effort made the move incredibly smooth.

"It was a considerable task to move, and you could feel a mixture of anticipation and tension in the air in early August as the moving date neared," said Facilities Director Bill Watson who played a major role in steering the activity.

The transition went smoothly with a minimum of interruption to the vital operations of Manufacturing, Assembly and Electronic Systems. Many E-Teamers from all departments pitched in to make the move successful. While Facilities readied the building for occupancy, Safety, Security, Metrology and Information Services worked hard in their areas. Representatives from each organization assisted in the transfer's planning and execution. Every E-Teamer got involved to the extent that they packed their personal effects and desks in preparation for the big day.

The move was scheduled over six weekends, with each move starting on Friday after 5:00 p.m. and working straight through till completion. Some E-Teamers stayed on the job in excess of 24 continuous hours. Senior Telephone Maintenance Technician Mike



Ed Clevenger inspects one of Melpar's pulse receiver units developed for the Greenville Division.

Missett worked for 26 straight days to ensure the best possible communication transition from Fairfax to University Center.

Reaction to the new facility has been largely favorable.

*Continued on page 3*



## Melpar As I See It...

We have recently completed our Melpar Strategic Development plan. This business

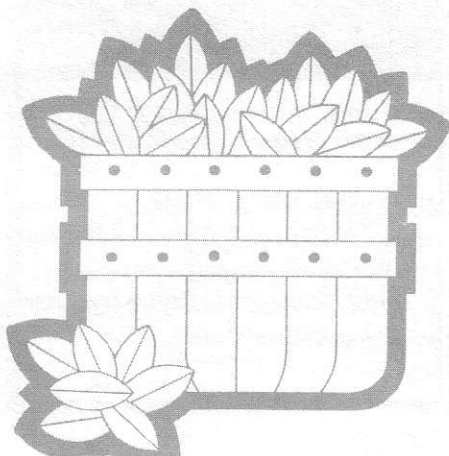
development plan captures our strategy and tactics for success in the coming five years. Given the unprecedented changes in the world, this year's plan was truly challenging.

We are responding to this dynamic marketplace. This year's plan further defines new and non-traditional business pursuits not envisioned several years ago. We are aggressively improving our capabilities and accelerating our pursuit of exciting technologies.

The identification of new markets and strengthening of our capabilities are important components of our plan. However, this does not mean we plan to neglect our current customers and ongoing programs. One of the best ways to gain future business will be to perform exceptionally well on our current jobs. Your success with our current endeavors will help us continue to win new business with our customers.

We have now occupied our new University Center facility. This proximity to graduate level academia increases our ability to conduct joint research activities. Our research and development efforts are targeted for both conventional and non-traditional customers and markets. So, this period of change and adjustment is not easy, but it does offer a strong future to Melpar. **M**

*Talbot S. Huff*



## Ruffner and Lee Issued Patents

Two E-Teamers, Michael Lee and Bryan Ruffner, separately received patents on inventions made while working on Melpar projects. Both employees received \$100 when their patents were filed and another \$250 upon the patents' issuance.

Technical Staff Member Michael Lee jointly invented a Token Associated Data Network Communications Protocol with former Melpar employee Ken Kloper. The invention entailed an algorithm—also called a protocol—used in local area networks which allows users to efficiently send information back and forth via a token method.

Previously used schemes allowed network users to send information only when possessing a token. Use of a token prevented collisions caused by users sending material simultaneously. Unfortunately, although data collisions were avoided, the token method wasted time since users were required to pass the token around without always having data to send. The invention appended the token to data to be sent out so that the receiving user could send data back.

Michael and Ken got the idea for the invention while working on a multi-level secure network IR&D project in 1987. (Ken has since passed away.)

"We came to the realization that a so-called statistical protocol like ethernet would have so many collisions, and we needed a token method," he says. "But we wanted something that had the speed of the collision method yet had the reliability of the token method."

Senior Electrical Engineer Bryan Ruffner's invention was filed five years ago under the name "Device and Method for Creating an Areal Light Source." His idea involved providing backlighting for very small displays. The backlighting had to be very low power and fit in a tight space.

Bryan's invention uses dielectric mirrors made of very thin transparent materials layered in varying degrees of reflection which form an extremely fine reflector. At the time he designed the display, Bryan was working on Melpar's Tactical Remote Sensor System (TRSS), a network of sensors designed to detect intruders. The TRSS used a walkie-talkie display that required very small backlighting.

Bryan says his invention can be used in any display application that requires efficient power usage and is cramped for space. A hand-held television unit such as a Sony Watchman is one example. **M**

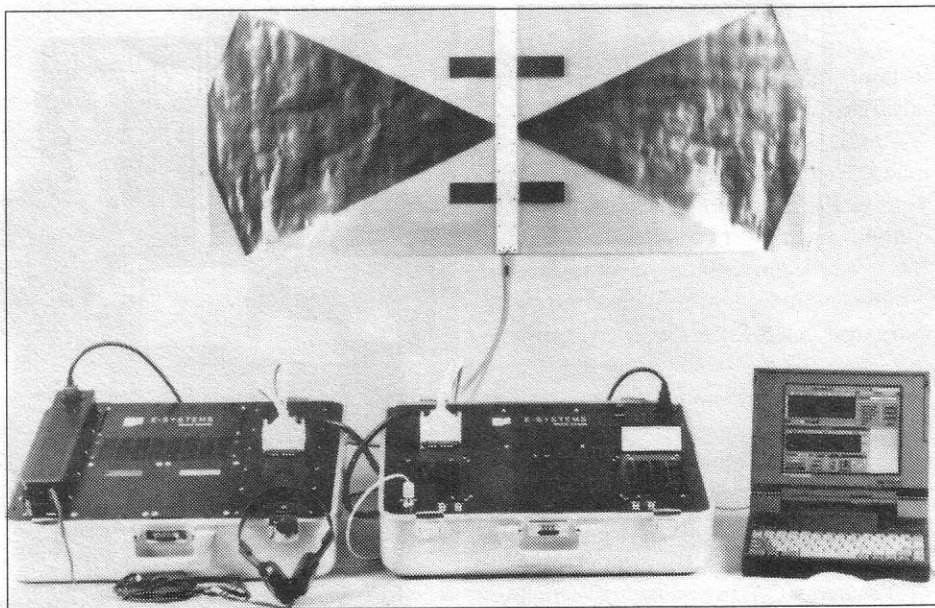


Michael Lee (left) and Bryan Ruffner are Melpar's two most recent inventors. Their work earned them monetary awards.



## Melpar Develops Advanced Automatic Signal Survey Capability

by Jane Anthony



The Advanced Automatic Signal Survey Capability (AASSC) System.

**E**-Systems Melpar Division has developed a transportable, next-generation signal collection and data reduction system called the Advanced Automatic Signal Survey Capability (AASSC). This system was designed under 1992 Independent Research and Development and will be evaluated by customers this fall.

The AASSC is designed to be conveniently carried by one or two people in suitcase-like enclosures and offers remotely controlled operation. Using the latest commercial off-the-shelf (COTS) technologies, the AASSC provides an RF survey system with integrated signal search, data logging and report generation capability.

Designed with a flexible receiver interface, the AASSC has been demonstrated using Nanomin receivers, Watkins Johnson miniceptors and AR3000s as front-end receivers. Besides RF survey and search capabilities, AASSC can be configured as a high speed, wide bandwidth tape scanning system.

A window environment provides the AASSC with seamless operational capabilities from portable field operations with laptops to multi-user laboratory analysis with 486 workstations linked via ethernet.

Parametric data on detected signals is displayed on the workstation and stored on optical disk for later analysis. **M**

### SMOOTH MOVE *cont. from pg. 1*

Quality Assurance Inspection Supervisor Mattie Lassiter was particularly pleased with the expansion in her group's working space.

"We're more comfortable and spread out now, and my office is central to all my people," she says. "The layout of the area has helped us to locate products, which has saved us a lot of time. I think it's fantastic, really."

RF Engineer Yvonne Lemkuhl also found her work area had improved.

"There is more equipment available, and now we're on the same floor as the receiver

group, so we can work together better," she says. "Plus, our old lab was a real mess—not that this one isn't cluttered—but at least it's cleaner."

Engineering manager Ed Clevenger also likes the lab space at University Center.

"Our lab's layout is superior to the old one in that we have a little more room between benches now," says Ed. "As far as the building itself, it's a more pleasant location. It's quieter and the surrounding views are certainly much nicer." **M**

## Inside the Corporation...

*E-Systems subsidiary Serv-Air, Inc.*, won a major U.S. Army contract initially valued at \$100 million, but expected to eventually exceed \$600 million.

Serv-Air will operate and manage the special operations forces support activity for the U.S. Special Operations Command (SOCOM). Serv-Air will provide maintenance, repair, logistics support, systems engineering and system modifications of U.S. Army, U.S. Air Force and U.S. Navy helicopters, avionics systems and communications equipment.

*The Montek Division* received an \$11 million contract for the U.S. Navy's new Signature Managed Air Traffic Control Approach and Landing Systems (SMATCALS).

The program involves placing new carrier air traffic control and landing guidance equipment onboard U.S. Navy ships. The new systems will provide these functions using low probability of intercept (LPI) communications equipment to reduce the vulnerability of aircraft carriers and amphibious assault ships to detection, identification, localization and exploitation by Electronic Support Measures (ESM) receivers.

The competitive contract will include work by Engineering Research Associates (ERA) and the Greenville Division.

*In September, E-Systems* signed a licensing agreement with Ashtech, Inc. of Sunnyvale, California to develop and manufacture advanced global positioning satellite (GPS) receivers for the U.S. military market and other government customers. GPS allows users to determine their exact position anywhere in the world within a few feet.

The agreement provides for the transfer of Ashtech's GPS technology to E-Systems for use in developing a family of receivers for multiple applications from space-based to hand-held units. Several E-Systems divisions are expected to apply this technology. The ECI Division will be the first division to use the licensing opportunity to develop an embedded, precision, anti-jam receiver for military use.

*E-Systems Garland Division* was awarded an \$8.7 million contract by the U.S. Army for the Center for Strategic Leadership Information System. Contract options bring the potential value of the award to \$15.8 million.

Under terms of the contract, E-Systems will design and install a data, voice and visual information system into the Center now under construction at Carlisle Barracks, Pennsylvania. **M**

## TQM at Melpar: Significant Teams/Significant Issues

by John Durgavich

Say "TQM" and many people will immediately think "Production Line" since the production area is where the measurement techniques and statistical methods of TQM were first applied. But continuous improvement is being pursued at Melpar in ways that are not typical.

Larry Wozny's Software Team, the BUGS (Before Unit Test Get it Straight), was formed in Intelligence Systems to boost software integration and test (I&T). Directors and senior program managers in the organization have reviewed the team's recommendations and findings with good acceptance.

Randy Smith's Staff Planning Team is looking at refinements to the manpower planning process. Their goal is to improve the integration of our various sources of manpower planning data and to better harmonize 'bottoms-up' plans with high-level guidance.

George Rudy's Master Schedulers are working to enhance the clarity and use of program schedules. The team surveyed users and developers of program schedules to determine need for better tools and processes. From these interviews, the team found that most schedule users feel that a standard tool is important and that, although some users expressed preferences, it is less important which tool becomes the standard. The team

is now evaluating scheduling tools and has identified the need for training.

Cindy Shaw's QTC team (Quality Telephone Communicators) wants to perfect the way we use our current telephone service without the need for expensive upgrades. The team determined a number of ways to improve our system and to educate all employees on the need for good telephone practices.

Steve Sommers' Design Review Team is working to improve the reviews within the engineering hardware design process. The team established "number of avoidable ECNs" as a measure of the quality of engineering reviews and has enlisted the support of Quality Assurance (QA) in evaluating a sample of ECNs each month to determine the causes of avoidable and costly ECNs.

Larry Reed's Quality Bidding Team (QBT) intends to upgrade the consistency and quality of Quality Assurance bids. The team has completed a specification for a database to track QA bid and performance factors necessary to validate bidding assumptions. The team expects to complete its work this month with the issuance of the specification and to follow up during the development of the database. **M**

## Wellness Programs Expand

In September, Melpar's employee wellness program expanded when an informational program on prostate cancer was presented to over 150 employees. The program was organized by Melpar's medical department and TAP Pharmaceuticals, Inc.

in conjunction with September National Prostate Awareness Month.

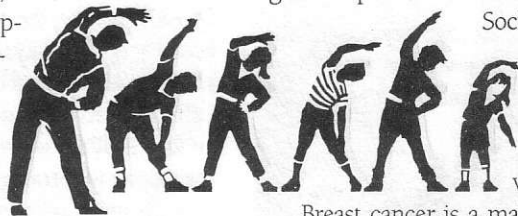
Dr. Eric Choe, a local urologist and expert on prostate cancer, presented a slide presentation detailing the early warning signs of the disease. One man in 11 develops prostate cancer, said Dr. Choe, yet the disease can be cured if detected early enough. Program attendees were also given

the opportunity to have a free examination and test by Dr. Choe at a later date.

In October, in recognition of National Breast Health Awareness Month, Melpar also held a wellness seminar on breast cancer. A guest speaker from the American Cancer

Society presented an informative program on breast self-examination and mammography for women.

Breast cancer is a major cause of illness among women today. Approximately one out of every ten women in the United States will develop breast cancer during her lifetime. Early detection and prompt treatment are vital. **M**



## Tenaglia Wins Suggestion Award

by Cindy Kessenich



Rocco Tenaglia (left) is congratulated by Vice President and General Manager Talbot S. Huff for his cost-saving suggestion.

Senior Industrial Engineer Rocco Tenaglia received a \$600 cost savings award for his suggestion on reducing PROM Programming/Marking Cycle time.

In the past, the Incoming Test department programmed devices and passed them to Assembly to remove the vendor's marking and replace with a Melpar one. The marking is designed by Industrial Engineering and then etched into a brass stencil by the PC Fabrication Shop. Once marking was completed, the device was sent back to Incoming Test for verification and testing. This process took 10 days.

Rocco recommended streamlining the process to save time and prevent possible damage to the devices during handling. He suggested that Incoming Test, while programming the device, re-identify it using a label writer. This label writer produces MIL-SPEC approved labels for re-identifying PROMs and Special Integrated Circuits. This new labeling method thus reduced the marking time by 500 percent. **M**



## In the Heat of the Moment by Chuck Busby



Tavi Alvarez demonstrates life-saving techniques on daughter Belinda.

**I**t's Friday night—the end of another good week at Melpar. Time for most of us to unwind. But for Tavi Alvarez, a procurement QA analyst, Friday night is the night he takes off his Melpar hat and puts on his fire helmet. On Friday nights, Tavi is a volunteer firefighter for the Gaithersburg Fire Department.

As a certified EMT (Emergency Medical Technician) and a master firefighter, Tavi is placed wherever he is needed most. That may be in an ambulance, with a fire engine crew or with an aerial ladder crew.

When in the ambulance, he may be called upon to transport patients, aid victims in automobile accidents or respond to any 911 emergency requests. As a senior member of the department, Tavi is often the person

responsible for assessing the severity of injuries and performing triage (prioritizing the order of treatment based upon severity). Tavi is a proficient handler of an extrication device called the "Jaws of Life," which is a hydraulic tool used to cut open cars. Tavi has used this tool several times to successfully extricate crash victims pinned in crushed vehicles.

In the aerial ladder truck, the firefighter has two primary tasks, the most important of which is search and rescue. Those who work in a ladder truck—called Truckies—are required to climb into burning structures one floor above the fire. They then descend inside the building to search for victims.

"Usually there is a lot of smoke and fire, making the rescue a very hazardous under-

taking," says Tavi. "Children and animals tend to panic and hide, so they have to be found and brought out."

Truckies must also ventilate the building by letting the fire burn out through holes, natural or created, in the roof.

"The most important thing to know is when to stay and cut holes and when to get off the roof!" says Tavi.

As a firefighter, Tavi says one rule to follow is to always go into a burning structure in pairs. Also, because smoke can be tremendously disorienting and overwhelming, firefighters always use safety lines to help them find their way back out.

Tavi's motivation to become a firefighter originated in his hometown of Lima, Peru. The tragic fire death of close friends moved Tavi to train and dedicate time to fire prevention. He now teaches people all about fire protection and prevention and is studying to become a sergeant in the Gaithersburg Fire Department. Tavi is also a certified CPR instructor and has taught many classes here at Melpar.

"The most important thing that people can do in their homes is to make sure they have smoke detectors on every floor of their homes," says Tavi. "Detectors should be placed directly adjacent to living areas, i.e., outside bedroom doors, at the top of stairwells, near the kitchen or fireplace. Make sure the batteries are fresh, and check smoke detectors with smoke or steam regularly to ensure they are working properly. Also, learn about having fire extinguishers in your home and where to place them."

**M**

## E-Systems Leads the Nation in Savings Bonds Again

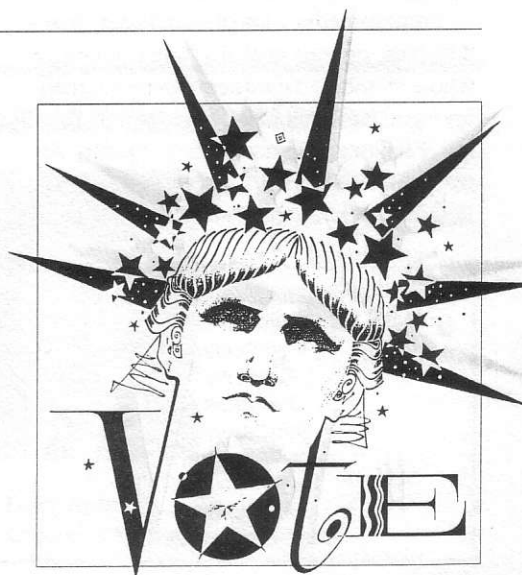
**F**or the 20th consecutive year, E-Systems has been ranked first nationally by the U.S. Treasury Department for employee participation in the U.S. Savings Bond program among companies, government units and academic institutions with over 5,000 employees.

The achievement was unprecedented and warranted a visit by Catalina V. Villalpando, Treasurer of the United States, to E-Systems corporate office in Dallas to personally make

the surprise announcement. E-Systems took the first place spot again with a 98 percent participation record.

While records going back 20 years could not be found, E-Systems employees have purchased more than \$64 million worth of U.S. Savings Bonds over the past nine years. The Treasury Department states that \$1 billion in purchases of U.S. Savings Bonds reduces the debt financing costs by \$70 million.

**M**



## Melpar Safety and Environmental Committees Formed



(Left to right) Norm Taylor, Phil Kless, Joe Myers and Ken Yancey discuss safety issues at a committee meeting.

To better ensure a safe workplace, two Melpar safety and environmental committees have been formed and are taking steps to educate E-Teamers on good safety habits.

**"We need a broad range of input . . ."**

An Executive Committee, made up of director level members and

chaired by Talbot Huff, reviews division safety and environmental practices. Based on its findings, the committee may also implement programs to prevent injury to employees or damage to the environment.

Employee education of sound safety practices is the primary goal of a Plant Committee whose members include employee and management representatives from Manufacturing, Facilities, Engineering and Quality Assurance. Ken Yancey, director of Human Resources, chairs the Plant Committee and

acts as liaison to make recommendations to the Executive Committee.

Both committees are advised by Melpar's safety and environmental group made up of Barbara Lopinski, Debbie Shows and Phil Kless. One reason for forming the committees, says Barbara, is to enhance safety communication and awareness beyond what the safety and environmental group already handles.

"We need a broad range of input," she says. "So the committee helps bring issues to our attention."

The Plant Committee has met twice and has nearly completed work on an employee safety handbook. The committee convenes every month, and employees are encouraged to make suggestions to committee members for meeting discussion. **M**

**... employees are encouraged to make suggestions ...**

### Plant Committee Members:

Norm Taylor  
Fred Holder  
Calvin Alt  
Joe Myers  
Bob Sanford  
Joe Williamson  
Steve Sommer  
John Reeves  
Chair-Ken Yancey

### Executive Committee Members:

Jon Sampson  
Carty Lawson  
Bill Watson  
John Monahan  
Tom Bailey  
Ken Yancey  
Chair-Talbot Huff

## Pre-Retirement Seminars Now Held at Melpar

Retirement is a time of joy for many employees as years of long, hard work give way to a new kind of free lifestyle. Yet for many, retirement also brings a lot of uncertainty and questions on finance, benefits and other issues.

To help ease the transition between the workplace and retirement, Melpar now offers a series of seminars to employees eligible for retirement.

Four evening sessions are taught by Melpar employees and guest lecturers who cover topics such as E-Systems benefits, social security, investment planning and tax concerns, estate planning and wills and non-financial aspects of retirement.

To individualize the seminar and make it especially useful, employees are encouraged to bring their spouses or planning partner. At



Shirley Matisans (center) details information to Marian Foster (right) and Marian's husband Lyle.

the sessions, employees receive detailed print-outs showing their company benefits through the retirement plan.

The seminar is offered by invitation to employees eligible for retirement. Questions about the E-Systems retirement plan should be directed to Shirley Matisans in the Benefits Department, whereas questions about the seminar can be directed to Shelia Cutshall in Training. **M**

**Happy Halloween!**





## 1992 Service Awards for September/October



**Marcus R. Artman**  
35 Years



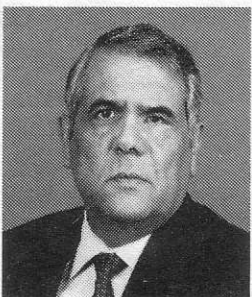
**Rex M. Enos**  
35 Years



**Carty S. Lawson**  
35 Years



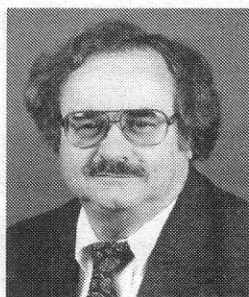
**Elmer H. Marine**  
35 Years



**Anthony Maestri Jr.**  
35 Years



**William B. Moore**  
35 Years



**Clarence J. Stultz**  
35 Years



**Edward A. Rose Jr.**  
30 Years



**Velva E. Weeks**  
30 Years

### Not Pictured:

Mary F. Townsend  
30 Years

## Movers and Shakers

### FALLS CHURCH

Helmi H. Banegas  
Christopher J. Cecil  
William H. Dinh  
Philip J. Freemer  
Walter D. Hill  
Heather A. Hixson  
Enid A. Jimenez  
Nancy L. Lovell  
Stephen E. Lunsford  
Daniel T. Pawlowski  
Lisa K. Pittman  
Theresa D. Seger

### UNIVERSITY CENTER

Timothy W. Blosser  
Lan N. Dao  
Curtis N. Funderburk  
Cary J. Hancock  
Antonio Herrera  
Cleomontz S. Jones  
William I. Jones  
Debra J. Kirk  
Thanh Luu  
Scott E. Mares  
Nancy D. McFall  
Lucy A. McMaugh  
Van P. Nugen

### PROMOTED FROM

Assoc Elec Eng  
Security Spec  
Programmer  
Data Base Analyst  
Sr Personnel Clerk  
Report Typist A  
Software Analyst  
Receptionist  
Programmer  
Software Analyst  
Cost Analyst  
Jr Prog Mgmt Asst

### PROMOTED TO

Electrical Eng  
Security Supervisor  
Software Analyst  
Sr Software Analyst  
Personnel Asst  
Report Secretary  
Sr Software Analyst  
Security Asst  
Software Analyst  
Sr Software Analyst  
Sr Cost Analyst  
Mgmt Assistant

Industrial Eng  
Test Eng  
Jr Test Eng  
Prin Test Eng  
Test Eng  
EMI 1/CI  
Prin Systems Spec  
Software Analyst  
Sr Elec Eng  
Assoc Test Eng  
Assembler 1/CI  
Assembler 1/CI  
Assembler 1/CI

Sr Industrial Eng  
Sr Test Eng  
Test Eng  
Test Supervisor  
Sr Test Eng  
EMI 1/CI Grp Ldr  
Program Devel Mgr  
Sr Software Analyst  
Prin Eng  
Test Eng  
Assembly Tech  
Assembly Tech  
Assembly Tech

### Twenty-five Years

John D. Calloway  
Arthur L. Stewart

### Twenty Years

Barbara Moore  
John L. Schwier Sr.

### Fifteen Years

Dorothy M. Brand  
Daniel C. Davis  
Irvin P. Gillmer  
Nancy C. Miluszewski  
Edward C. Quillian  
Roger C. Strauss

### Ten Years

Thomas E. Barber  
Mary K. Bates  
Reginald L. Beal  
Charles L. Beldy Jr.  
Richard C. Coogan  
Joseph A. Grieshaber  
Robert C. Hochmuth

Teisuke Ito  
Lawrence D. Jones  
Christine J. Kangas  
William S. Oakes  
Jean P. Osterwalder  
James T. Riley  
Robert M. Sanford  
Steven R. Shaffer  
Melinda K. Sheppard  
Melburn C. Spaulding  
Barbara J. Tinner  
Leonard G. Willard

### Five Years

Joy M. Banegas  
Charles C. Busby  
Jeffrey L. Feuerhelm  
Bernice L. Hall  
Robert A. Moore  
Maureen T. Murray  
William H. Nebiker  
Mary E. Richter  
Joseph C. Roesch

## Academic Applause

### Not Pictured:

Bryan Blackman  
M.S. Systems  
Management  
Univ. of S. California



**Tony Ardura**

M.B.A. Corp. Fin. & Marketing  
Virginia Tech

**Retiree:** Not Pictured: Leonard Mumby, 10 Years of Service.

## Sports Corner . . . E-Teamers Race to Second Place Finish in United Way 10K



United Way 10K Winners: (Left to right) Jennifer Glass, Jim Foster, Wiley Peck, Dave Conti, Mark Taranto, Larry DiCerbo, Terry Bonner, Nathan Ward, James Redel, Joe Roesch, John Humphrey, Rex Enos, Dick Landauer, Frank Byrne, Sang-utai Wongchote, Reid Earley. *Not pictured:* Lee Jenkins, Mike Dutchak, Debbie Greenstreet, Mary Parker, C.C. Hall, Mark Salko, Ed Stachaw, John Humphrey, Al Eisenmann, Jeff Sackett, Patrick Crone, Bill Pegues, Wayne Thomson.

Melpar's 1992 United Way Campaign got off to a running start with a solid second place finish by the E-Team in the 1992 United Way 10K race held 27 September in Washington, D.C.

E-Systems was represented by 30 runners (including three co-ed teams) and successfully matched last year's second place win in the co-ed division.

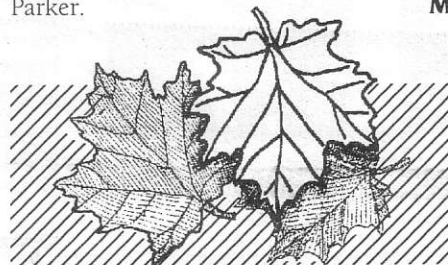
The winning team, led by captain Larry DiCerbo, nearly felt the stroke of bad luck when top runner Eldon Mack, who starred in last year's race, had to pass up the event. Fortunately, team member Jennifer Glass' fiancé, John Bysiewicz, filled in Eldon's place and eventually wound up winning second individual overall among the 2,000+ runners.

"I knew he was fast, but I didn't think about him being among the top," said Larry.

"He was no slouch runner!" (Members of the second-place winning team were Larry, John, Jennifer, Lee Jenkins, Mike Dutchak, Debbie Greenstreet, Wiley Peck, Jim Foster and Dave Conti.)

Also running again this year was Metrology Supervisor John Humphrey whose two children won trophies in their division.

Despite the muggy weather, several E-Teamers achieved their personal best including Debbie Greenstreet and Mary Parker. **M**



### Vita-Stats

- 16%** of American men weigh 200 pounds or more
- 31%** of American physicians do not think the high quality of health care in the U.S. justifies its high cost.
- 41%** of Americans have cereal for breakfast.
- 46%** of Americans have never smoked.
- 70%** of Americans own running shoes, but don't run.

**USE THE MELPAR DIVISION ETHICS HOTLINE**

*For Questions or Concerns About Proper Conduct by:*

- Establishing Employees
- Establishing Suppliers and Vendors
- Consultants
- Government or Other Customer Personnel

**CALL 849-1577**  
(or ext. 1577)

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**IDENTITIES OF CALLERS WILL BE HELD IN STRICTEST CONFIDENCE**  
(Anonymous Calls Will Be Accepted)

### Melparticulars

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