

# MELPARTICULARS

Volume 10, Number 5

E-Systems Melpar Division

August 1989

## MELPAR RECEIVES SOLADYNE EXCELLENCE IN DESIGN AWARD

The Melpar Division of E-Systems was awarded the Soladyne Excellence Award by the Soladyne Division of Rogers Corporation in July of this year.

The award is given once a year to a company that demonstrates excellence in design of PTFE-based (Teflon) printed circuit boards for microwave frequency applications. "In order to be eligible for consideration of this award, companies are judged relative to their high-frequency printed circuit board designs, including their selection of substrate materials and fabrication of those materials," said Dale C. Reed, marketing manager at Soladyne. "This is not just a technical award, but an award of leadership and the embracing of the statistical process controls of TQM (Total Quality Management)."

The design which led to the award involved redesigning an antenna RF distribution unit composed of hundreds of coaxial cables and components with a multilayer stripline RF/microwave printed circuit board made of a Teflon/ceramic composite. The object of the design was to significantly reduce the weight and volume of the system while maintaining system reliability. What resulted was a less expensive system with highly improved performance capabilities. The design, called the LBRFD (Low Band RF Distribution) unit, is now being used in the PINE System.

"Melpar is one of the first companies to use Teflon composites in a multilayer RF/microwave circuit board," said Engineering Supervisor Jay Charters, who worked as the system's project leader. "We took a controversial technology and made it work. Now, we have the capability to use that technology in future applications."

A cooperative team effort between Industrial Engineering, Quality Assurance, and Manufacturing can be credited for the success of the system. Burl Pudleiner, the senior electrical engineer responsible for the design and layout of the multilayer board, was extremely instrumental in pushing the effort and solving manufacturing/quality problems so that the design could be successfully implemented.

**SOLADYNE Cont. on page 8**



At the Soladyne Excellence Award presentation ceremony are (left to right) Dr. Andrew Grekas, John Monahan, Richard Allen, Ed Sandor (Rogers), Talbot Huff, Burl Pudleiner, Dale Reed (Rogers), Jay Charters, Richard Jansen (Rogers) and Dr. Dennis Krausman.

## E-SYSTEMS REPORTS RECORD SECOND QUARTER, SIX MONTH RESULTS

E-Systems reported that second-quarter and six-month sales, income, earnings, and backlog of unfilled orders all reached new record highs.

Second-quarter sales were \$395.9 million, compared to 1988 second-quarter sales of \$363.5 million. Sales for the first half of this year reached \$790.9 million, an 18-percent increase over sales of \$670.9 million for the same period last year.

Second-quarter net income was \$19.4 million, or 63 cents a share. Second-quarter 1988 net income, which was \$19.2 million, or 62 cents a share, included a \$1.5 million (5 cents a share) nonrecurring gain on investments.

Net income for the first six months was \$38.5 million, or \$1.24 a share, versus the 1988 six-month net income

of \$34.6 million, or \$1.12 a share.

Bookings of firm new orders during the second quarter amounted to \$409.4 million. The backlog of unfilled orders at the end of June was \$2.248 billion, a new record high. A year ago, the backlog was at \$1.941 billion.

E. G. Keiffer, chairman and chief executive officer of E-Systems, said, "Second quarter results met our expectations and were above our internal plan for the first half of the year. Our backlog continues to grow despite the pressure on the overall defense budget, [which is] an indication of the strength of our intelligence and reconnaissance business area."

"We will continue to place emphasis on profit margin improvement commensurate with our desire for long-term growth," Keiffer added. **M**



## MELPAR AS I SEE IT



As summer settles in, it is an appropriate time to look back at our progress this year. This midyear point is also our chance to look ahead to our year-end forecast and to note the upbeat prospects we enjoy for growth and new program challenges.

When this year ends, we forecast that Melpar will have exceeded our plan in bookings, sales, profit, and backlog. That is a fantastic tribute to everyone's smart work. In our increasingly competitive business environment, it is also noteworthy that we have been successful in keeping our burden rates on or below plan. We need to continue to be efficient and run "lean and mean."

The first half of 1989 yielded many program successes. We won the competitive MX RAIL GARRISON Physical Security Sensor program. The Commander's Tactical Terminal production and system high upgrade was negotiated. This marks a successful transition to a long-running production effort.

Our receiver production performance has been excellent. We are now moving into Nanomin receiver production using surface-mount technology. Numerous programs are entering the integration and test phase, challenging all of us to ensure successful on-time delivery of excellent systems to our customers.

In addition to our strong base of momentum programs, we are pursuing a priority list of new programs and initiatives to continue our growth. We expect to book significant ground system upgrades to parallel our ongoing airborne improvements. We continue as a viable competitor in the TACIT RAINBOW program and will soon bid several high-frequency market entry programs. The market for our IRSS-related systems looks very promising.

So despite flat or declining defense budgets, Melpar's markets remain healthy. We have a very good year in the making.

To succeed, we need to perform better than our competitors. We have the strongest technology base since I have been at Melpar. Our business base is solid, and we are hot on the trail of exciting new programs. Working together, the E-Teamers at Melpar will finish this year with great success.

*Talbot S Huff*

## Security Spotlight . . . FOREIGN TRAVEL

Planning a vacation abroad? Foreign travel can be a very rewarding experience. Being aware of potential problems and making careful plans can help make an incident-free trip.

### Before you go

- Learn about the places you plan to visit. Familiarize yourself with the local laws and customs.
- Make copies of your airline tickets, passport, drivers license, and the credit cards you plan to take with you. Leave one set at home and keep another set with you but separate from these valuables.
- Medicines should be left in their original containers and kept in carry-on luggage. Take along a copy of the prescription and the generic name of the prescribed medicines.
- Taking an extra pair of eyeglasses is a good idea, too.

### While traveling

- Use common sense when traveling abroad, as you would at home.
- Find out local rules and obey them. Your American citizenship cannot protect you if you are breaking the laws of the country you are visiting.
- Keep track of the news and be aware of potential problems in areas you may want to travel in.

Before continuing into these areas, contact the nearest U.S. embassy or consular office for any conditions you should be aware of.

### Personal travel tips

- Use traveler's checks rather than carry large amounts of cash.
- Make sure you receive a claim check for each piece of luggage you check.
- Dress inconspicuously.
- Refrain from photographing military installations, military personnel, airports, train yards, border areas or restricted areas, etc.
- Do not accept letters, photographs, personal messages, packages, or other material to be carried in or out of the country being visited.

*Remember*, when you are in another country, you are subject to their laws. Penalties for drug violations, including small amounts of marijuana, heroin, or cocaine, are severe in many countries and are strongly enforced.

Personnel who hold a security clearance and those who have special accesses are reminded of the requirement to report all foreign travel. Travel forms may be obtained from the Security Education Office and travel briefings are given weekly. **M**

### LET US KNOW BEFORE YOU GO

## Fellowship Fund Established in the Name of Talbot S. Huff, Sr.

Associates, friends, and family of the late Talbot S. Huff, Sr. (father of Melpar's Vice President and General Manager, Talbot S. Huff, Jr.) have established the Talbot S. Huff Highway Engineering Fellowship Fund. The Fellowship is intended to recognize outstanding students in the graduate Highway Engineering program at the University of Texas at Austin.

Mr. Huff received two degrees in Civil Engineering and later served on the Freeway Study and Analysis Committee of the American Association of State Highway Officials. A Fellow in the American Society of Civil Engineers, he received the Highway Division's Award "in recognition of outstanding contributions to the field of highway engineering."

According to the Fellowship Committee, Talbot S. Huff, Sr. is remembered most for his "insatiable search for knowledge and his creativity. For him, highway engineering was high adventure. This fellowship will contribute to knowledge and creativity in the years ahead, for it will offer encourage-

ment to young highway engineers to continue their studies in this fast developing science." **M**



Talbot Shelton Huff, Sr. 1903-1987



## EXCELLENCE AWARDS GO TO GARLAND AND SWETT AT MANAGEMENT MEETING

The semiannual management meeting and dinner, held on 27 June, included an upbeat review of the Division's business performance and was highlighted by the presentation of the Awards for Technical and Administrative Excellence. New this year was a Special Award for Technical Achievement.

The Award for Administrative Excellence was presented to Lynn Garland, manager of Material Control, for her enthusiasm, teamwork, and leadership in successfully restructuring the Material Control organization.

"Lynn has developed procedures and implemented major improvements in methods, service, and efficiency in all material control functions," said Talbot Huff in presenting the award. "She recognizes problems and works with all involved organizations in developing improvements. She thinks and acts in terms of improving Melpar—not just the Material Control group. These attributes . . . are the hallmarks of this award, and Lynn has demonstrated these principles in an exemplary manner."

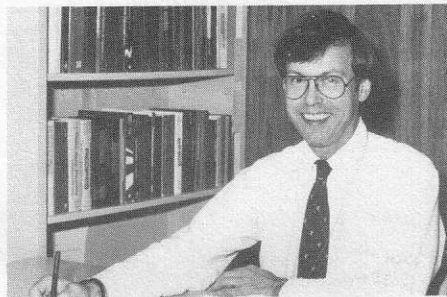
Garland's reaction was mixed with happiness and surprise. "I was overjoyed when I heard the news," she said. "This award is a credit to my entire organization."

Paul Swett, principal engineer of Search and Analysis, was this year's recipient of the Technical Excellence Award. His accomplishments include correcting a newly published algorithm (APM—Alternating Projection Maximization); reducing it to practice; extending this algorithm to arbitrary receiving array geometry; and developing distance metrics, cluster analysis, detection analysis, and system timing analysis for the CCIRP contract.

When asked how he felt about receiving the award, Swett replied, "I am very, very proud. There are a lot of contributors to the programs we work on around here, so it's nice to be recog-



Talbot Huff (far left) presents a Special Award for Technical Achievement to the Nanomin design team (left to right) Jim Sclater, Otto Czifra, Bob Smith, and Lou Ruck.



Paul Swett—recipient of the award for Technical Excellence.

nized. Working at E-Systems has been a pleasant experience. It's an exciting company because of the interesting work that comes with so many of the programs and contracts. By winning this award, I feel very pleased and quite gratified."

For the first time this year, a Special Award for Technical Achievement was awarded to the design team of the Nanomin receiver. Otto Czifra, Lou Ruck, Jim Sclater, and Bob Smith were recognized as being pioneers in the Nanomin's mechanical and electrical design, packaging, and surface-mounted components.

"This team effort," said Talbot Huff, "has resulted in more than \$10 million in bookings and anticipated bookings of more than \$100 million over the next five years."

The recipients of each of the awards



Administrative Excellence Award winner Lynn Garland.

were presented with a check and an engraved plaque to symbolize their superior contributions. In addition, a plaque bearing the names of the recipients of the Technical and Administrative Excellence Awards can be seen in the front lobby of the Falls Church facility.

**M**

### MELPARTICULARS

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## REUNION OF A WAR TORN FAMILY

### A JOYOUS OCCASION

Lan Nguyen has a lot to be happy about. An associate test engineer at the Fairfax facility, Lan enjoys his work, lives in a nice apartment in Silver Spring, and has a lovely wife and two teenage sons.

Yet, Lan's life has not always been this way. Lan, a native of Vietnam, left his homeland in 1975 when the Communists laid siege to the capital city of Saigon. At the time, he had no choice but to leave his family behind and hope they would soon be reunited. The newly formed Communist government, however, had no intentions of allowing his family to leave the country. Fourteen years passed, and Lan could only communicate with his wife and sons by mail.

On Friday, July 21, 1989, Lan's prolonged separation from his family finally came to an end. His wife Sen and his sons Linh and Liem arrived at Washington's National Airport for a tearful, heart-warming reception.

Three of Washington's major local television networks were on hand to capture the emotional reunion on film and use on their newscasts that evening. Lan himself was joined by a large group of his family and friends. Everyone stood around Lan, reassuring and encouraging him while craning their necks to try and catch a first glimpse of his wife and sons.

Excited anticipation turned to joy when Sen, Linh, and Liem walked out of the airport gate. Few dry eyes could be seen as the family hugged each other and cried happily. It was a moment no one wanted to miss.

Few people know the kind of agony and desperation Lan has been through. His story is a fascinating tale of bravery, determination, and love.

"In 1975, I was a police captain in Saigon," said Lan. "My wife and I lived in a large house with our two sons Linh, three, and Liem who was just three months old."

"On April 29, 1975, Saigon fell to the communist attack. Because I worked for the police, I was expected to fight the Communists alongside the Vietnamese army. But, whereas the Communists were well equipped with tanks, bombs, and machine guns, we only had hand guns."

Defenseless against the communist assault, Lan and his compatriots ran to the city's harbor. There, they spotted a ship and jumped on board. Unaware of the ship's final destination, Lan sailed to the island of Guam.



Lan (left) is interviewed by Channel 9's Nancy Mathis.

"My brother's family had escaped earlier, and I was fortunate to meet up with them in Guam," said Lan. "We stayed there for a few months until we were flown to one of several U.S. camps for Vietnamese refugees."

After three months of living in the refugee camp, Lan acquired a sponsor in Richmond, Virginia. Richmond was his home for another three months

until the pain of separation from his family gradually became unbearable.

"I felt very sad then because I missed my family so much," said Lan. "Since my brother's family had a sponsor in Washington, I decided to move there and live with them."

That was in 1976. Feeling somewhat more adjusted to his new life in the

**Cont. on next page**

United States, Lan took a job doing building maintenance at the Navy Yard. He also began going to school part time at the Capital Institute of Technology in Kensington, Maryland.

In 1979, misfortune struck Lan again.

A car accident left him with severe internal injuries, making it impossible for him to continue working or going to school. For one year, Lan could only depend on his brother for his well being.

**"There has been a lot of lost time that needs to be made up . . . I just thank God and America for bringing us all back together."**

Determination, however, kept Lan from sinking into despair and giving up any hope of getting his family to the United States. One year after his car accident, he enrolled as a full-time student at CIT. Three years later, he graduated with a B.S. in Electronics Engineering.

In February 1982, E-Systems opened Melpar's Fairfax facility. Since Lan had been granted U.S. citizenship one year

ago, she was no longer a foreign-born citizen anymore. They said she belonged to the United States, and yet, they still would not let her go. So, in order to support her and my sons, I continually sent her money.

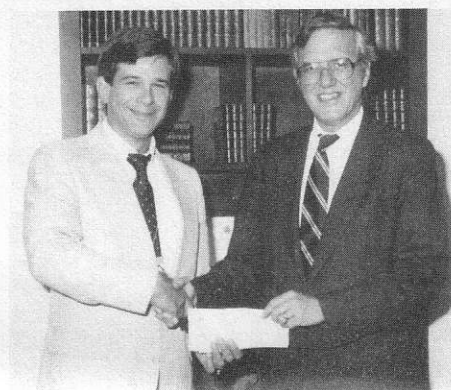
"It has been very hard on her," he continued.

"When I first left, the Communist soldiers came to our house and questioned her about my whereabouts. For two days, they kept her under house arrest. After that, she left the house to stay

with her mother. Eventually, she requested to move back into the house, and they told her, 'You can live there, but we own it.' She had a difficult time, but she endured."

Last November, the U.S. Embassy contacted Lan. He was informed that his family had been granted permission to leave, and that he should send a check to pay for their airplane tickets. The embassy was unable to tell him the amount, but he was able to

## LARRY WHITNEY AWARDED \$500 FOR SUGGESTION



Senior Cost Analyst Larry Whitney (left) was awarded a \$500 check by Vice President and General Manager Talbot S. Huff for designing a software package that would computerize forms that had previously been filled out by a more error-prone manual system. Larry's suggestion is estimated to save the Company about \$57,000 annually.

Although he was confident his suggestion would be used, Larry was surprised to receive a check. "The Employee Suggestion Program is the sort



## CONDITIONING THE NEXT GENERATION . . . THE CASE OF A MELPAR INTERN

In many respects, Lawren Smithline is a typical 16-year-old high school student. He is involved in several school clubs, likes girls, plays classical piano and clarinet, and is full of ambition and dreams for the future.

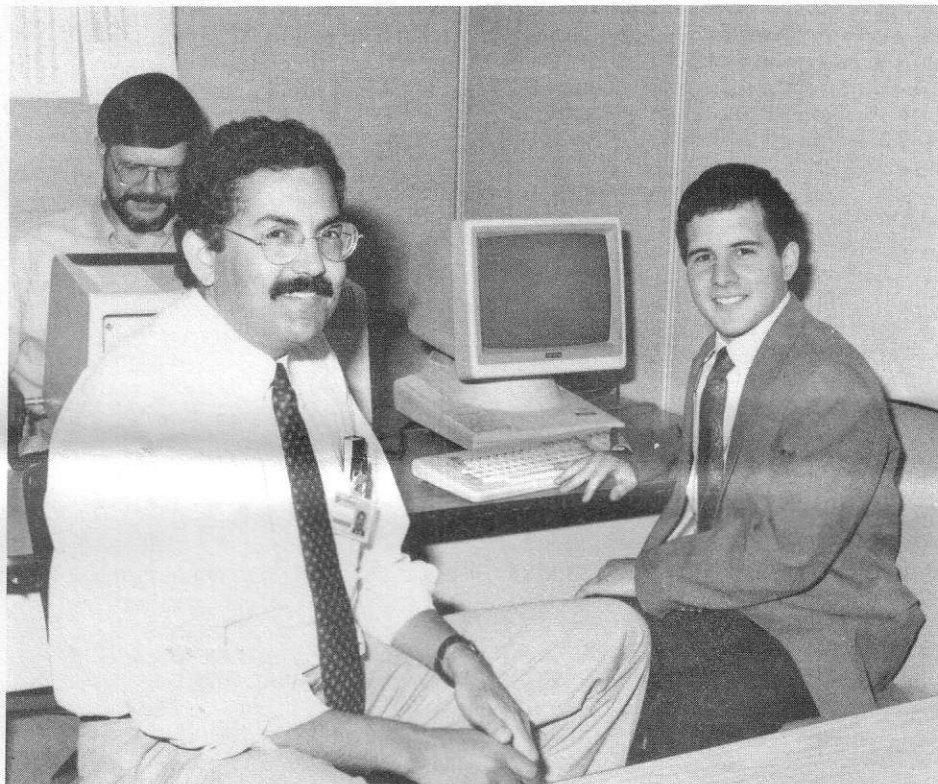
Yet, Lawren has a rare gift, one that companies like E-Systems seek to nurture.

Lawren, a junior at Ithaca High School in Ithaca, New York, is a mathematical whiz. When he was just 13, he scored 740 out of a possible 800 on the math section of the Scholastic Aptitude Test (SAT), a test taken by high school seniors and used by colleges in their admission processes. At that early age, Lawren had met the requirements needed to get into college.

Students like Lawren have special needs. They have a great thirst for knowledge and often find it difficult getting appropriate education from their schools.

To help meet the needs of these students, the Research Science Institute (RSI) was established by the Center for Excellence in Education located in McLean, Virginia. The Center was founded by the late Admiral H. G. Rickover to help our best and brightest students and teachers keep the United States competitive in science and technology.

The RSI program is a six-week, highly intensive program that combines one week of classroom lectures, four weeks of off-campus internships in scientific research with private corporations in



Mohammed Boudaoud (left foreground) enjoys his role as mentor to Melpar intern Lawren Smithline.

the Washington area, and one final week spent completing research reports. Several hundred students from around the world apply to RSI each year, yet only seventy-five are accepted.

E-Systems Melpar Division has historically shown a strong commitment to education. In keeping with this tradition, Melpar has been eager to offer internships to students at RSI. This year, RSI chose Lawren to be Melpar's intern by matching up his research interests with projects submitted by Melpar. Lawren works five hours daily, five days a week under the tutorial mentorship of Dr. Mohammed (Mo) Boudaoud, a principal engineer in the Search and Analysis directorate.

As an intern, Lawren does not work on any Melpar projects. Rather, his time is spent working on his own research project, that of exploring applications for parallel computers that would speed up mathematical computation. The role Mo has taken on is to inform and help Lawren to make the best decisions. After Lawren's internship is completed, he will have a week to complete his research report which will then be published by the Center.

According to Lawren, working with Mo and other people at Melpar has been a positive experience. "It's nice working in this environment," he says. "Unlike high school, not only do I get to use a more expansive vocabulary, but if I say, 'Here's a neat math problem,' someone will actually care."

It has not always been easy for Lawren  
**INTERNS Cont. on page 7**

### BACK TO SCHOOL WITH GWU . . . Fall Registration

The George Washington University School of Engineering and Applied Sciences will hold fall registration in Melpar's Falls Church cafeteria on Tuesday, 29 August 1989, from 5:00 p.m. to 7:00 p.m. The 1989 fall semester will begin on 7 September and end on 14 December.

Students in the Master of Science Programs in Communications (EE), Computer Science (CSci), and Telecommunications and Computers will be able to consult with Professor Pickholtz at that time and to speak with some of the course instructors about their plans for the semester. New students may also begin classes this fall.

The following schedule is provided for your information and planning.

EE 204	Stochastic Signals and Noise	Tuesdays
EE 226	Fiber and Integrated Optics	Mondays
EE 243	Communication Theory I	Thursdays
EE 248	Computer Communication Networks I	Tuesdays
EE 252	Digital Signal Processing Techniques	Wednesdays
EE 257	Secure Communications	Tuesdays
CSci 203	Microprocessors and Microcomputers	Thursdays
CSci 212	Discrete Analysis in Computer Science	Thursdays
CSci 216	Information Retrieval Systems	Mondays
CSci 232	Automata and Formal Languages	Mondays
CSci 258	Advanced Programming Languages	Wednesdays
CSci 297	Computer Viruses	Tuesdays

With the exception of EE 248, all classes will be held at E-Systems Melpar, Falls Church. EE 248 will be taught at the Computer Sciences Corporation Virginia Technology Center, 3160 Fairview Park Drive, Falls Church.

All courses meet from 6:00-9:00 p.m. and carry three credit hours. Tuition is \$430 per credit hour and may be paid in full, in two installments, or by credit card (VISA or MasterCard). Books and all administrative forms will be available during registration.

Employees who would like to begin a degree program should contact Ms. Randi Numbers at (202) 994-7024. Currently enrolled students with academic questions should call Professor Pickholtz at (202) 994-6538.

## Credit Union News

Credit union members save time and money with the purchase of discounted Kings Dominion and Busch Gardens tickets. A family of four can save \$16.00 on the purchase of Kings Dominion tickets and \$12.00 on the purchase of Busch Gardens tickets. They are good for any day this season.

**Create a logo contest** for MEFCU (Melpar Employees Federal Credit Union). Entries will be judged by our Board of Directors. Deadline date is September 30, 1989. A cash prize will be awarded to the winner. Call Patty for details on x1540. **M**

### INTERNS Cont. from page 6

to find a challenging education. He remembers being put off by a teacher as early as kindergarten. "One of the answers to a subtraction problem on the math worksheets I did in kindergarten was a negative number," he says. "But, when I took my worksheet to the teacher to have her grade it, she marked it as wrong and told me I was supposed to have written in the word 'no'. She said, 'You're not allowed to do negative numbers. We don't know about them yet.'"

"You can't say to one of these students, 'You're not ready to be taught this principle because it's something you learn in college,'" says Mo. "If they want to use that potential, it is our responsibility as educators to find a way so that they can."

"It's up to me and E-Systems as a company to show him the fun in math and science," continues Mo. "If we can't do that, then that is one less person who will pursue science or engineering. His generation will decide E-Systems' future and my future as well. Science is my garden. In order to keep my garden beautiful, I must fertilize it by showing it to people like Lawren."

Lawren agrees. "I think companies benefit themselves by getting involved in education because they are essentially cultivating the next generation," he says. "In just a few years, my generation will be deciding what business does. If no one in my generation is interested in doing this kind of work, E-Systems will be in trouble."

"After all," says Mo, "E-Systems without engineers and E-Systems without scientists would have to lose the 'E' and the 'Systems.' Then, we would have to change our name!" **M**

## U.S. SENATE STAFF MEMBERS VISIT MELPAR



Two U.S. Senate staff members representing Senator John Warner (R-VA) recently visited Melpar for program orientation briefings. Shown with Talbot Huff, vice president and general manager, are Mr. Grayson Winterling (left) and Mr. Les Brownlee (right). Mr. Winterling is responsible for national defense programs and policies on the personal staff of Senator Warner. Mr. Brownlee is the Deputy Minority Staff Director on the Senate Armed Services Committee.

Senator John Warner is the Ranking Minority Member of the Committee. The Senate and House Armed Services Committees oversee Department of Defense activities and authorize the National Defense budget. **M**

## MELPAR HOLIDAY FESTIVAL SCHEDULED FOR DECEMBER

1989 is the year of the Holiday Festival in which Melpar employees and their families will be able to celebrate the December holiday season with festivities and an open house held at each facility.

The date and other details are not yet definite. However, suggestions are now being made by a newly formed committee made up of representatives from each organization. The committee first met July 10 and, among other things, decided to try to avoid holding the Festival on the same day as a Redskins home football game. **M**



Seated left to right are Holiday Festival Planning Committee members Anne Thornton, Marilyn Dudley, Mary O'Shea, Steve Emmett, Ken Yancey, Elena Parker, Debbie Crosier, and Claudia Judge. (Not pictured: Anne Benedicto, Phil Kless, Judy Martinowsky, and Tricia Reneau.)



## H<sub>2</sub>O SKI: A Summertime Obsession



Tricia Reneau sports some of her medals won in water ski competitions this year.

Every Saturday morning while most people are enjoying a chance to sleep in, Tricia Reneau heads for the water. She might drive one hour, or she might drive eight.

"Just get me to a water ski competition, and I'll be happy," she says.

Some people say Tricia is obsessed with water skiing. "Getting up at 4:30 a.m. on a Saturday is no big deal," says Tricia. "Water skiing is fun!"

It should be fun if one skis so much. Tricia, who is *Melparticulars'* editor, trains in Annapolis three to four times each week and competes in tournaments almost every weekend. The tournaments she goes to can be as far away as Connecticut or as close as Fredericksburg, Virginia. Sometimes she wins, and other times she leaves disappointing performances behind.

"It really doesn't matter that much if I win," she says. "What is important is how well I ski. If I ski poorly, winning first place is not much consolation. On the other hand, if I ski my best but don't even place, I'll walk away happy."

That is easy for her to say. This year, Tricia won first overall in her division at the Virginia State Championships. Other titles include the Mid-Eastern Women's Overall Champion and Women's first overall at the Annapolis Open.

"One of the reasons I win so often is that I am a three-event skier," says Tricia. "Competition water skiing includes slalom, tricks, and jump. There are not very many competitors who ski all three

events. Most people just concentrate on slalom. Personally, I get bored skiing only one event.

"My favorite and best event is jumping," she continues. "A lot of people say it's crazy to go over the jump, but I think it's thrilling. It's certainly the most dangerous of the three events. I have had my share of painful crashes, including a face plant I did on the jump surface this year."

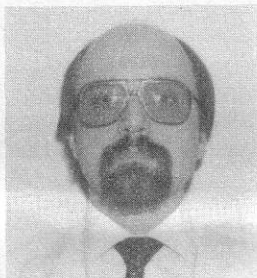
Tricia began water skiing at age 12, but did not start competing until six years ago while she was in college.

"I went to school in Florida, so I was able to ski year round," she says. "Now that I live in D.C., I'm much more limited in the amount of time I get to practice."

She still dedicates herself to it. During the summer months, Tricia says her schedule has room only for work and water skiing.

"I sometimes get both mentally and physically exhausted, so it's kind of nice to be able to relax a little bit when the cold weather comes," she says. "But by the time spring rolls around, my only thoughts are to chop away the ice on the river and ski, ski, ski!" **M**

## In Memoriam



Michael W. Colesante



Joan H. Grieve



Robert L. Millner

**Michael W. Colesante**, senior electrical engineer, died 11 July 1989, at the age of 37, of cancer.

Michael began working at Melpar in 1988. He is survived by his mother Petrella Lorraine of Wharton, West Virginia.

**Joan H. Grieve**, report secretary, died 11 July 1989 as a result of a heart attack. She was 68 years old.

Joan began working at Melpar nearly 32 years ago. She is survived by sons William of Fairfax, Virginia and Roger of Greenwood, Delaware.

**Robert L. Millner**, electrician, died 9 July 1989 of a heart attack. He was 38 years old.

Robert joined Melpar in March 1979. He is survived by his wife Brenda, sons Robert and Jeffrey, and a daughter Vanessa of Haymarket, Virginia.

*Melparticulars* wishes to extend sympathy to the family, friends, and colleagues of each of the above employees. They will be missed. **M**

## SOLADYNE Cont. from page 1

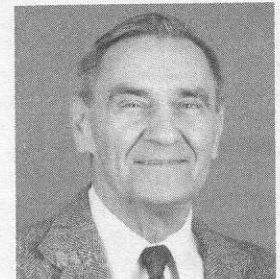
Previous winners of the Soladyne Excellence Award include such well known organizations as Raytheon, Motorola, Allied Signal, and Melpar's sister division, ECI, in St. Petersburg, Florida.

The award itself is a unique walnut framed goldplate on a precision etched copper map of the United States. It is on display in the main hallway of the Falls Church facility. **M**

## RETIREES



Acacia C. Ojeda  
16 Years



Charles R. Parker  
35 Years



## 1989 SERVICE AWARDS for JULY and AUGUST

### Thirty-Five Year Service:



Clarence J. Meacham



Louise H. Yawornicky

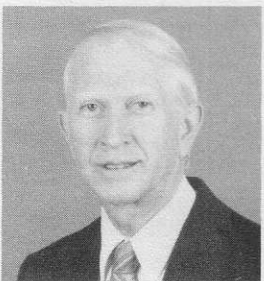
### Thirty Year Service:



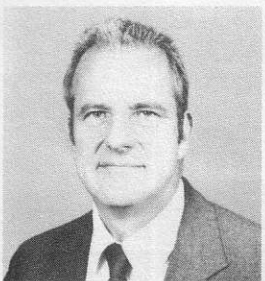
David N. Gershberg



Virginia E. Switzer



Lawrence R. Terry



Wayne E. Thomson

Not pictured: Stephen A. Bradeen, Paul E. Rhodes

### Twenty-five Year Service:

S. Polly Heston  
Thomas W. String

### Twenty Year Service:

Donald Trell

### Fifteen Year Service:

Arthur H. Rich

### Ten Year Service:

Gerald S. Bacon  
Eston Bonner, Jr.  
Ralph D. Burt  
Thomas E. Carver  
John M. Cox  
David U. Gervasio  
Kenneth D. Kuck  
Joanne P. Menke  
Elizabeth P. Robinson  
James J. Russo

### Five Year Service:

Clarence Abercrombie  
Charles D. Clattenburg  
Kevin M. Doherty  
Rudolph M. Duncan III  
Charles P. Gyauch  
Julia M. Jackson  
Steven H. Koslow  
James C. Lok  
James T. McDaniel, Jr.  
Jeffrey D. Miller  
Susan L. O'Donnell  
James W. Opperman  
Wayne A. Patten  
Larry K. Reed  
Carol S. Roen  
Kerry M. Rowe  
Anthony R. Simpson  
Calvin L. Stone  
Richard N. Wright  
John Yawornicky

## MOVERS AND SHAKERS

### Falls Church

K. E. Abramczyk  
L. S. Bader  
S. T. Baker  
M. J. Barbato  
S. L. Barr  
M. Calloway  
C. Chotikul  
S. E. Decker  
A. A. DeFazio  
D. T. Drum  
H. R. Edwards  
B. W. Flowers  
D. Hawley  
D. G. Horvath  
S. A. Jauch  
C. J. Kangas  
S. M. Knebel  
K. E. Kuykendall  
K. M. Le  
M. S. Machen  
J. E. Maple  
M. L. Mazza  
R. K. Mihara  
R. A. Moore  
T. C. Mulvaney  
M. B. Murdock  
B. T. Ostrowski  
G. N. Owen  
K. J. Patel  
H. Phan  
A. D. Prentice  
M. A. Ralston  
S. D. Richey  
A. M. Simpson  
J. K. Smith  
L. M. Tain  
G. R. Templeman  
G. S. Thomas  
A. M. Thornton  
L. E. Thornton  
J. A. Whitson  
J. A. Widor  
K. G. Williams  
J. J. Yavulla, Jr.

### Promoted From:

Personnel Clerk  
Cost Analyst  
Maint Mech  
Asst. Govt Prop Adm  
Assoc Cost Analyst  
Assembler 1 cl  
EMI  
S/W Analyst  
S/A to VP  
Prin Engr  
Sr Elec Engr  
Sr SW Analyst  
Engr Tech  
Prin Engr  
Acct Clerk  
Security Asst  
Assembler Tr  
S/W Analyst  
Systems Engr  
Sr Test Tech  
Programmer  
Sr Design Engr  
Assembler 1 cl  
Jr Mech Engr  
Report Typist A  
Jr Cost Analyst  
Sr Elec Engr  
Assoc Cost Analyst  
Sr Fac Engr  
Assoc Elec Engr  
Ship Packer  
Dupl Mach Opr  
Sr Tech Writer  
Porter  
Assoc Mech Engr  
Personnel Asst  
Drafter  
Prog Mgmt Asst  
Prin Conf Coin Spec  
Assoc Prog Mgr  
S/W Analyst  
Sr Drafter  
Assoc Prog Analyst  
Engr Supv

### To:

Sr. Personnel Clerk  
Sr. Cost Analyst  
Maint Mech 1 cl  
Sr Asst Govt Prop Adm  
Cost Analyst  
Assembler 1 cl Grp Ldr  
EMI 1 cl  
Sr S/W Analyst  
Director Fin Analysis  
Engr Supv  
Prin Engr  
S/W Engr Supv  
Sr Engr Tech  
Engr Supv  
Acctg Pay Clerk  
Security Specialist  
Assembler  
Sr S/W Analyst  
Sr Systems Engr  
Fld Engr Spec  
S/W Analyst  
Prin Design Engr  
Assembler Tech  
Design Engr  
Report Secretary  
Cost Analyst  
Engr Supv  
Cost Analyst  
Prin Fac Engr  
Elec Engr  
Sr Ship Packer  
Drawing Ctrl Tech  
Project Lead/Tech Wr  
Inventory Control Cl  
Mech Engr  
Personnel Rep  
Sr Drafter  
Assoc Prog Analyst  
Fld Support Supv  
Asst Prog Manager  
Sr S/W Analyst  
Design Engr  
Prog Analyst  
Engr Manager

### Fairfax

S. A. Ayers  
J. G. Boulanger  
F. A. Freeman  
J. M. Galimore  
D. Hawley  
M. M. Lovett  
W. K. Morell  
R. A. Mott  
A. L. Rodriguez  
E. I. Scarlett  
M. W. Underwood

Secretary  
Elec Engr  
Assembler 1 cl  
Engr Specialist  
Engr Tech  
Assembler  
Sr Design Engr  
Comm Analyst  
Sr Test Engr  
Assem Tech Grp Ldr  
Assoc ATE Engr

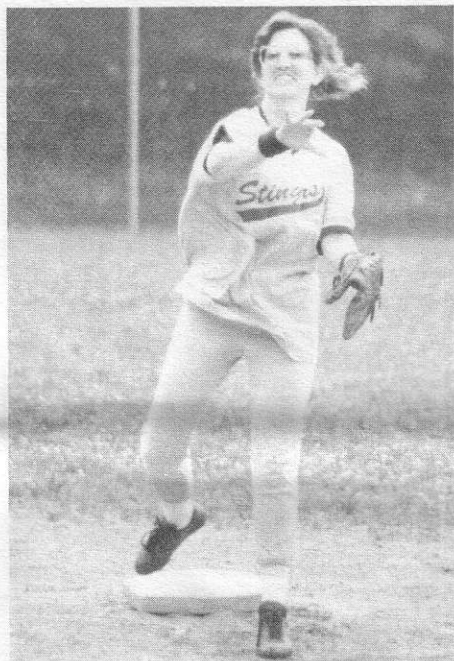
Exec Secretary  
Sr Elec Engr  
Assembler Tech  
Fld Design Engr  
Sr Engr Tech  
Assembler 1 cl  
Sr Mech Engr  
Sr Comm Analyst  
Test Engineer  
Assembly Supervisor  
Test Engineer

## Know Your Benefits . . . Change in T-CAP

The Tax Reform Act of 1986 (TRA) provided for compliance tests to be performed on tax-deferred savings programs. Our T-CAP Plan is covered by these requirements. As a result of the compliance test for 1989, employees will NOT be allowed to start or increase T-CAP contributions between Sept. 29 - Dec. 31, 1989.

**M**

## Sports Corner. . . MELPAR STINGERS HIT A GRAND SLAM SEASON



Covering second base is Stingers' assistant manager, Marlene Eisenbarth.

It was a warm, bright Sunday afternoon, and the Melpar Stingers women's softball team was at bat. Their opponents, the Outlaws, were trailing by only one run, and the game was in its last inning. The Stingers, knowing that the Outlaws would bat last, were beginning to wonder if they would be able to add the game to the list of Melpar wins.

Shortstop Lori Trostle then hit a single. Pam Rice and Loretta Thompson each followed suit, and the next thing the Stingers knew, the bases were loaded.

Melpar's catcher, Margie Hill, stepped up to the batter's box. The Outlaws pitched a ball, a strike, and another ball. On the fourth pitch, Margie swung hard. The softball flew over the center fielder's head, and rolled farther into the outfield. While the Stingers in the dugout yelled ecstatically, Lori, Pam, Loretta, and Margie sped around the diamond and into home plate. The Outlaws could not catch up, and the Melpar Stingers won the game 10-5.

Such was a typical game for the Melpar women's softball team this season. With an 11-4-1 record and nearing the end of the season, the Stingers are looking forward to at least a third place overall finish in their division (there are 12 teams in all). Last year, the Stingers took second place overall. Despite the loss of a few key players on the team, new players have joined and helped to keep the Stingers' position near the top.

The Melpar Stingers currently include Billie Clark, Marlene Eisenbarth, Karen Hess, Margie Hill, Pam Rice, Loretta Thompson, Barbara Tinner, Lori Trostle, and Marilyn Waltermire.

Assistant Team Manager Marlene Eisenbarth credits team cooperation and the skills of each individual player for the Stingers' success. "All the women are good players," she said. "The day of the Outlaws game, everyone was performing exceptionally well. The outfielders missed few fly balls, and the infield played a tight defense. But, the definite highlight of the afternoon was Margie's grand slam."

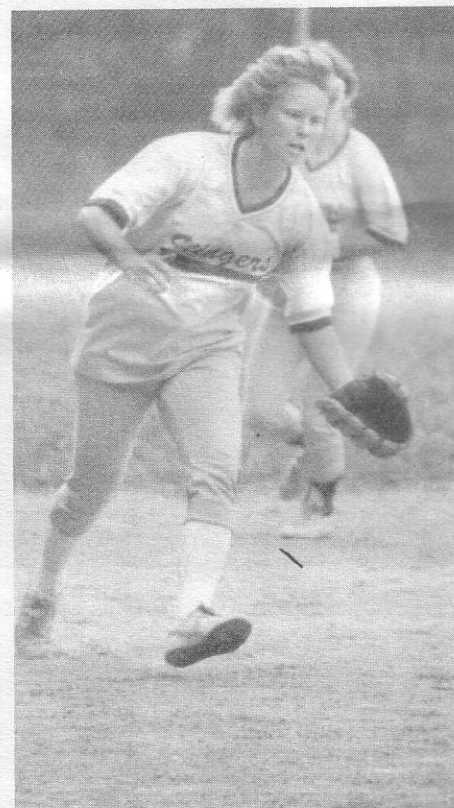
"I was very nervous when I went up to bat," said Margie. "I remember the coach saying to me, 'I put you in this spot [on the Batter's list] because I knew you could do it.' And, I'm thinking, 'Yeah, sure!'"

"When I first saw that I had hit the ball, I thought I would probably get a triple out of it," she said. "But, by the time I got to third base, the coach was yelling for me to keep on running. So, I did and got a grand slam!"

Margie said she does not deserve all of the credit for winning the game, however. "You have to remember that if Lori, Pam, and Loretta hadn't hit well, the bases would not have been loaded," she said. "We played a second game against the Outlaws immediately afterwards and won 21-0. As long as we continue to have good team spirit and play the way we did that day, the Stingers will keep on winning."

The Melpar Stingers softball season runs from May through July each year. Practice usually begins in March. Interested players should contact Billie Clark (x3335) or Marlene Eisenbarth (x2229).

**M**



Third base player Pam Rice fields a ground ball.

**E-Systems, Inc., Melpar Division**  
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Falls Church, Virginia 22046

Forwarding and Address Correction Requested