

MELPARTICULARS

Volume 5, Number 3

E-Systems Melpar Division

August 1984

GWU CLASSES: FALL SCHEDULE

George Washington University's School of Engineering and Applied Science will continue to offer graduate courses in electrical engineering, communications, and computer science this fall in the master of science in communications and computer science degree programs. The courses offered at Melpar's Falls Church facility are as follows:

- EE 204 Stochastic Signals and Noise — Mondays (Dr. Nicholson)
- EE 205 Stochastic Processes in Electrical Engineering — Tuesdays (Dr. Podell)
- EE 244 Communications Theory II — Thursdays (Dr. Crepeau)
- EE 252 Digital Signal Processing Techniques — Mondays (Dr. Knight)
- CSci 159 Programming and Data Structures — Tuesdays (Instructor TBA)
- CSci 212 Discrete Analysis in Computer Science — Wednesday (Prof. Berkovich)
- CSci 267 Operating Systems I — Thursday (Dr. Scharen-Guivel)

Students desiring to be admitted to either program must hold an appropriate undergraduate or graduate degree and are subject to all regulations of the GWU School of Engineering and Applied Science.

Registration for the fall 1984 semester will be held at Melpar Tuesday, August 28, from 5:30 to 7:30 p.m. Professor Pickholtz will conduct a program orientation and be available for individual academic counseling during registration.

Classes begin on Tuesday, September 4 and end on Monday, December 17. All courses will meet one evening each week from 6 p.m. to 9 p.m. in classrooms at Melpar. Tuition is \$273 per credit hour, or \$819 per course. Tuition may be paid in full or in installments (Visa or MasterCard accepted).

For further information, contact Dr. Raymond Pickholtz, on campus at 676-6538. For general assistance on administrative matters, contact GWU program coordinator John Williams at 676-7029.

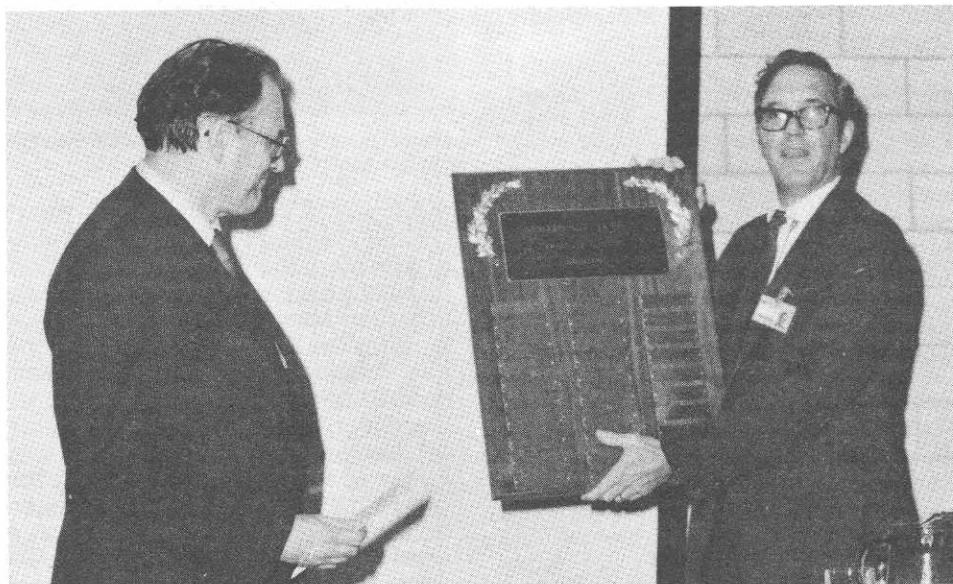
AWARD FOR TECHNICAL EXCELLENCE CREATED

Technical expertise and achievements have always been highly valued at Melpar, so a formal mechanism has been created for recognizing the outstanding technical contributions of our employees.

Vice President and General Manager, Talbot S. Huff, established the *Award for Technical Excellence* and appointed a committee to review 1983 individual technical accomplishments within the Melpar Division. The committee consisted of senior level people from each of the engineering groups to identify and analyze the accomplishments. Under the chairman, Hal

Ammann, Director of Research and Technology Development, committee members Frank Birdsong, Director of Systems Technology; B.D. Smith and Norm White, Senior Members Technical Staff, had as their goal the selection of one person whose technical contributions have been so strong that he or she would stand out from all others within the division.

In addition to the individual award, a permanent plaque is mounted in the front lobby to commemorate the annual recipient of the *Award for Technical Excellence*.



FIRST RECIPIENT OF NEW AWARD HONORED

Talbot S. Huff announced Mr. John Whelchel as the first winner of the Melpar Division *Award for Technical Excellence* at the June Management Meeting.

Mr. Whelchel received two awards for his commitment to excellence at Melpar. The first award was an individual plaque; the second award was a check for \$250. In addition, his name was engraved on a plaque for the front lobby. This plaque commemorates Mr. Whelchel's technical achievements for 1983.

Before presenting the award, Talbot S. Huff highlighted some of Mr. Whelchel's achievements over the last year. Mr. Whelchel's greatest contribution

revolved around his ability to apply a high-radix, Fast-Fourier Transform (FFT) algorithm to several technology development efforts, including the Very High-Speed Integrated Circuits (VHSIC) Phase II contract effort with AT&T Technologies (Bell Labs). The principles of the high-radix transform were first published by John Whelchel and David Guinn in 1970 at an Institute of Electrical and Electronics Engineers (IEEE) symposium on Applications of Walsh Functions. More recently, Mr. Whelchel applied this improved factorization technique to obtain a concise formulation of the higher radix FFT.

AWARD Cont. on page 7

Melpar as I see it...



At the end of the first half of this year, Melpar bookings are well in excess of Plan. This is due primarily to DAHLIA, PINE, and a new software program. The last half of this year can be even better. After a rocky road, DOR-

ADO is shaping up into a solid program. Our forecast for August is high, keeping us substantially above Plan. I foresee a record year for Melpar.

Our attention must now be directed towards our performance on these new jobs. Now is not the time to have a "fat and happy" attitude. We must continue on — "lean and mean" — and deliver products that perform well in the field. This has been one of the keys to our success in the past. Satisfied customers will most undoubtedly return to us for business.

In the upcoming months, we will be preparing our Strategic Development Plan for the next five years. It is important to develop new initiatives for the 1990's. We must retain our technical lead and pursue innovative ideas for the future. We must concentrate on our long-term strategy and focus on being leaders rather than followers. If we continue to stay on top, I expect Melpar to grow in size and stature in the years to come.

Talbot S. Huff

MELPARTICULARS

Published by
E-Systems Melpar Division
7700 Arlington Boulevard, Falls Church, VA 22046
Editor: Anne-Marie Eid
Photographers: Sandra Dimond
Pete Piraneo, Richard Sakamoto
Production: Estelle Fellman
Terry Seger, Elaine Shaffer (typesetters)
Contributors: Mary Albertson, Cal Baker, Norma Francis, Bob Hood, Larry Jacobs, Jr., Charlie Johnson, Shirley Kissinger, Evy Lowenstern, Patty Martin, John McCarthy, Shannon Porter, Jim Russo, Patricia Stewart, Richard Tallman

**The Melparticulars' Staff
Welcomes Its New Editor
ANNE-MARIE EID**

SAVINGS BOND DRIVE AIDS IN STATUE OF LIBERTY RESTORATION



Maggie Hess holds the hat as Ed Isbell, Vice President of Systems Development, draws the winners of the Savings Bond prizes.

As part of the 1984 Savings Bond Drive, E-Teamers had an opportunity to gain more than just the satisfaction of making a good investment; their participation also helped raise contributions for the Statue of Liberty and the Ellis Island Foundation. E-Systems contributed \$1.00 to the National Campaign to help restore the Statue of Liberty for each employee who was a new or increased saver during the campaign. With the help of dedicated representatives, Melpar carried on a highly successful drive during the last week of June ending with 98.4 percent participation division wide and with 44 percent of the current people involved increasing their deductions.

The Bond campaign was full of prizes and incentives. In addition to the Corporate contribution to the Statue of Liberty and Ellis Island Fund, bonds were given as prizes in the annual Melpar drawing. In the "New Participants" category, David Gibson and Roger Hand won \$100 bonds. In the "Increased Saver" category, Sallie Bowman, Freda Sites, and Callix Zenner each won \$100 bonds, while Ronald Harvey, David Henson, Anne Benedicto, Michael Oncale, and John Whelchel each won \$50 bonds.

In the U.S. Savings Bond Essay Contest, a fifty dollar savings bond was awarded to Jo Ann Lohman (daughter of Roger Lohman) for her

essay entered in the elementary school category and to Christopher Caputo (son of Arlene Caputo) who won in the high school category. John Landers was the winner of the employee/spouse category. (A copy of John's winning essay appears in this issue of Melparticulars.) All of these essays have been entered in the corporate-wide essay contest, and winners will be selected by September.

The grand prize offered by Corporate was a three-day trip to New York City for two. The lucky winner will deliver the E-Systems check for the preservation of the Statue of Liberty and Ellis Island to the foundation headquarters. If the winner is also an increased saver, there will be a bonus of \$500 spending money. Nineteen names were drawn to represent Melpar in the Corporate drawing.

The Statue of Liberty is a symbol of freedom for people throughout the world. Everyone's participation in the 1984 Savings Bond Drive has helped America maintain her freedom and liberty as well as provide each participant a secure financial future. Bonds help us all in aiding the government hold down the rate of inflation by lowering the amount that must be borrowed. With the current high variable interest rate of 9.95 percent, bonds can be one of your best investments.

BIG PAYOFF OFFERED IN BONUS REFERRAL PROGRAM

The Bonus Referral Program at Melpar awards monetary incentives to employees who successfully recruit qualified applicants to fill a specified position. Because of the phenomenal growth here at Melpar, recruiting qualified applicants is a vital part of Melpar's employment picture.

Under the program guidelines, Melpar will pay a bonus referral award of \$3,000 for each qualified person hired as a result of the referral. The guidelines are simple. A copy of the applicant's resume should be sent to the Personnel Office (Falls Church or Fairfax), together with your name and telephone extension. If the person is hired for the qualifying position, you receive the bonus. Melpar employees excluded from this program include members of the Industrial Relations Department and Officers and Direc-

tors of the Melpar Division.

Qualified applicants must have a minimum of three years directly related experience and a BS degree in electrical, mechanical engineering, physics or computer science. Individuals who have applied to E-Systems within the past 12 months or former employees terminated during the past 12 months are not eligible for referral under the bonus program. U.S. citizenship is required for all applicants.

Qualifying positions are for software analyst, digital electrical engineer, RF receiver design engineer, and signal processing engineer/analyst.

Any questions concerning the Bonus Referral Program should be directed to Charlie Johnson, ext. 1544, or Ethel Lorenzo, ext. 3200. For more detailed descriptions of the current qualified positions, contact Personnel.

Security Spotlight

Summer is a time when, unfortunately, burglaries increase because of the seasonal migration of vacationers in search of sun, fun, and relaxation. Before leaving for any trips you need to be prepared. The following tips will help you take those necessary precautions.

An important giveaway to burglars that you are gone is the accumulation of newspaper and mail. Do not cancel your orders, but rather have a neighbor pick up the mail for you. Remember, if you tell the newspaper office or the post office that you will be gone, the information is no longer private. Also, ask your neighbor to park his/her car in your driveway from time to time; perhaps they can even leave it overnight.

Invest in a few automatic timers. Set them so that the lights go on and off in various rooms of the house. It is especially effective if these timers are set to operate in sequence. However, be aware that lights left burning all night are a sure sign that someone is away. You may even want to attach a timer to a radio or T.V. so that silence is not a giveaway that the house is empty.

Make certain that all windows and doors are secured before you leave. An empty garage advertises your absence, so close and lock the door. Leave a key to your home with a trusted neighbor. Provide a phone number where you can be reached in an emergency. Don't leave a key under the doormat, in the mailbox, or on the door sill. Burglars know all those places; don't make it easy for them. Also, have someone mow your lawn while you are away.

Another tip when you are using CREDIT CHARGE CARDS. Do not leave your charge receipt behind. Not only does the receipt help you keep track of your funds, but recently, unethical people are copying the account number from these receipts and charging airline tickets and other merchandise to that number.

If you keep these security tips in mind you should be able to enjoy your vacation without the worries involved with traveling. Have a safe Labor Day weekend.

E-TEAMERS CONDUCT LOCAL CAREER SEMINARS



Charles Wu lectures Chantilly High School students as E-Teamers Pat Stewart, Diane Tosh, David Patty, and Evy Lowenstern look on from the left.

Responding to requests from the area schools, Melpar has been participating in local "Career Day" events. Evy Lowenstern, of the Industrial Relations Department, has acted as Melpar's representative by visiting various Intermediate Schools and Annandale High School during the 1984 spring semester.

With the help of Ellis Reid, one of our Associate Electrical Engineers from Fairfax, Lowenstern briefed groups of parents and students at a career night that took place at the George C. Marshall High School. Topics discussed included training and educational requirements, the typical day in an engineer's career, working conditions, and career advancement.

The students' questions concerned subject areas of importance for an engineering career, the job outlook, and earning potential.

Melpar has also accommodated selected groups with tours of its facilities. Eighteen "Gifted and Talented" physics students from Chantilly High School toured the Falls Church facility in the spring. Speaking on behalf of E-Systems were David Patty, Diane Tosh, Charles Wu, Bill Horton, John Hood, David Bartell, Gary Boswood, Jim Menke, and Lois Weimer. In addition, a group of Fairfax County Electronics Teachers visited the Fairfax location in May. Neal Ishman, Rick Folea, Jesse Baldwin, Lillian Spivey, Don Hinchey, and Kathy Douglas

represented Melpar's area of business.

School involvement not only keeps Melpar in touch with the community but informs students and their teachers of the opportunities in electronics. Such involvement helps emphasize high technology in our local schools.

Library Up-date

The library here at Melpar may be thought of as part of a larger network of libraries each contributing to one another as part of an overall system. Many employees do not realize that the mere use of a standardized form can ensure loan privileges from all the cooperating libraries in the area. Also, for a nominal fee, we can access the larger collections of cooperating libraries throughout the country. Some of these are the Engineering Societies' Library in New York, the Linda Hall Library in Kansas City, and the John Crerar Library in Chicago.

Although we have technical advances such as on-line searching, the most pressing problem for the information seeker is to obtain physical possession of the information. The traditional mechanisms of gathering that material still fall back on the libraries and information centers. However, in most instances, this is an extended courtesy, and there are certain rules to follow. The most important of these is the use of a standardized interlibrary loan form. The correct citation is also important. It is frustrating to pull numerous back issues only to find the data is incorrect.

The Virginia State Library Code is very liberal as far as intrastate lending policies. All loans, however, are subject to the lending library's own policies. The borrowing library also has the responsibility to provide for the recurrent needs of their own personnel by building their own collection.

MINI PROFILE



Ronal E. Butler, an engineering supervisor of the computer support group at Melpar, was written up in the June issue of *Ebony* magazine in their column, *Speaking of People*.

Mr. Butler is in charge of selecting and ordering computer equipment and also providing computer support and training here at Melpar.

A native of Detroit, Ronal Butler has a BS degree in mechanical and electrical engineering and is presently fulfilling requirements for a master's degree in engineering management.

THE WINNING ESSAY

As part of the various incentives created for the U.S. Savings Bonds Drive, an employee and family essay contest was established by E-Systems. The following article was written by John Landers, a video production specialist here at Melpar. John was the Division winner of the employee/spouse category.

"WHY YOU SHOULD BUY U.S. SAVINGS BONDS"

I was the second child among four, raised in the era of pioneer television and Eisenhower prosperity. My father, also a second son, spent his youth weathering the economic uncertainties of the Great Depression.

Sometime in the early forties, my dad decided to get a job with the United States Post Office. After all, people always mailed letters—in good times or in bad. He took the entrance test, passed it with a perfect score, and started down his career path. He was promptly drafted by the Army.

I imagine that after spending two years in the jungles of the Philippines, he was more than happy to return to the clerk position which awaited him. Undoubtedly, this was the first time in his life he could count on something financially secure.

My mother tells me that he started buying U.S. Savings Bonds with his first post-War paycheck. She also says that from that time on, he never missed one week of participation in the payroll deduction plan. I don't doubt it. I can remember, even as a child, reaching into our cast-iron mailbox and pulling out the two buff-colored envelopes that would arrive regularly every Friday.

I'm sure that buying those Savings Bonds every week meant a good deal of material sacrifice for my parents. Of course, as a kid, I didn't notice it at all. When you're young, you accept and enjoy life as it is simply because it's the only way of living you know. But now that I'm older and paying my own bills, I have a pretty fair idea how much my mom and dad had to do without in order to make a regular savings like that possible.

It wasn't until the four of us started off to college that my father cashed in any of those Bonds. And I can honestly say we wouldn't have made it through school without them. Whether they paid for tuition, dormitory rent, a meal plan ticket, or books, U.S. Savings Bonds were always there to bail us out. I don't know if my dad had planned it that way all along, but it was his cache of Savings Bonds—accu-

LAWSON NAMED DIRECTOR OF PRODUCTION ELECTRONICS



Carty S. Lawson, promoted to Director of Production Electronics, is reporting to Mr. A. Maestri, Vice President of Production Electronics. In this capacity, Mr. Lawson will be in charge of all Electronics Assembly and Production Testing at the Fairfax facility. In his previous position, he managed the Engineering Product Development Group.

Mr. Lawson joined Melpar in 1957 following four years in the Air Force. In 1972, he was assigned to the Communications Products Group as a Senior Electrical Design Engineer and was advanced to Principal Engineer in 1977. While employed at Melpar, he has attended Capitol Radio Engineering Institute, Northern Virginia College, and George Washington University.

mulating every Friday since VJ Day—that insured all four of us a college degree.

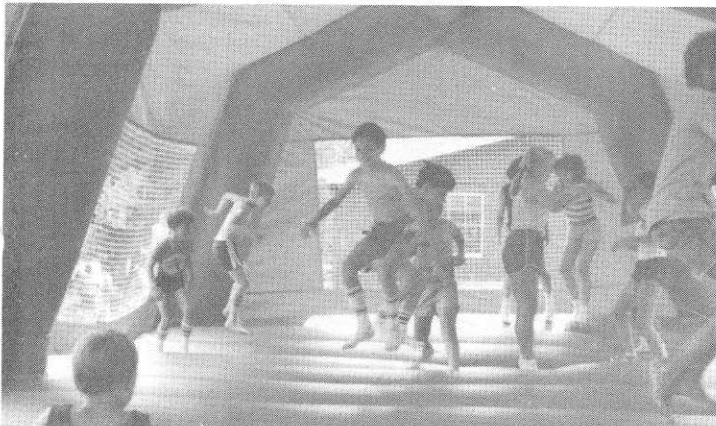
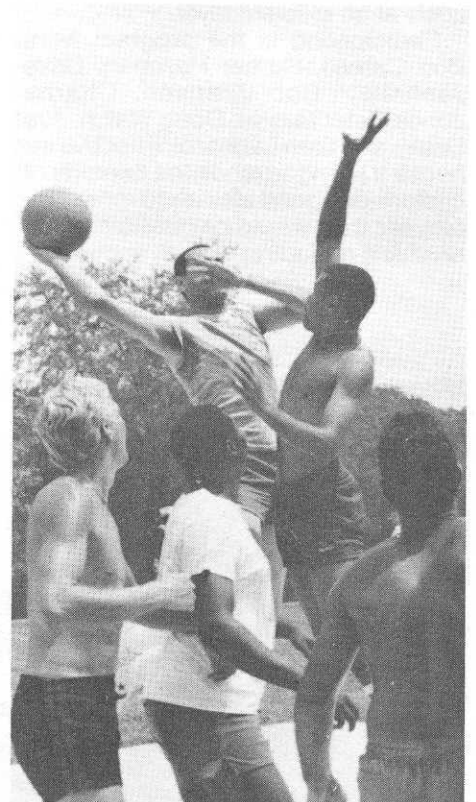
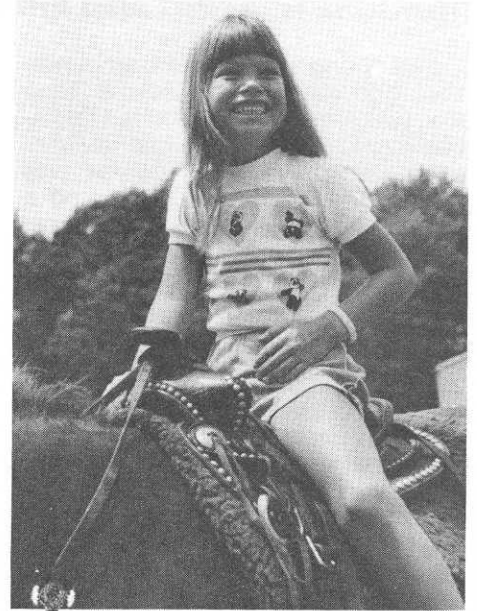
At the time when my father first started buying Bonds, the campaigns to advertise them were shrouded with slogans, flags, and Uncle Sams. But nowadays, with their yield tied to market rates, Savings Bonds can be sold as an extremely attractive investment within a diversified portfolio.

I think, though, that the principle hasn't changed over the years: U.S. Savings Bonds buy the future—for yourself, for the ones you love, and ultimately, for your country. That kind of purchase is the best one you can make.

9th Annual Company

PICNIC

Melpar employees and their families enjoyed a sunny July 15 at Smokey Glen Farm. Special thanks to Larry Jacobs, Jr., of Surface Systems for his *candid*s.



IN-HOUSE HEATING AND AIR CONDITIONING CLASS HELD

Last spring a heating and air conditioning course, taught by Boland Trane Co., was presented to selected Facilities' employees by the Industrial Relations Department. The course was taught by Mr. Mike Richards and a variety of guest speakers. The course covered a wide range of topics: refrigeration and building pressurization control, air conditioning fans, and variable air volume systems.

The objective of the course was to allow participants the opportunity to acquire the level of skills necessary to maintain Melpar's heating and air conditioning systems at optimal performance levels. Another goal of this class was to help Melpar mechanics ensure the maintenance of the equipment at a level that would maximize employee comfort while controlling equipment life cycle and energy costs at an efficient level.

Participating in the program were Bob Cathell, Homer Herrman, Dave Jennelle, Bob Johnson, Charlie Jones, Ester Mason, Doug Welch, Joe Dahle, and Sam Leonardi. Effective in-house training extends the benefits of custom-designed classes to more employees than would be possible by individuals attending off-site seminars.



Instructor Mike Richards (left) demonstrates the Variable Air Volume (VAV) system to Facilities employees Sam Leonardi and Dave Jennelle.

More of Larry's Super Picnic Pics



RECOGNITION FOR SERVICE

In May, the Metro D.C. American Production and Inventory Control Society (APICS) held its spring seminar, organized and chaired by Ms. Cheri Ball of Strategic Planning at Melpar.

The seminar was described as being one of the most successful in recent APICS history, and Melpar, as a corporate member, was represented by 10 people from various groups.

AMATEUR RADIO CLUB NEWS...

The Melpar Amateur Radio Club has been actively helping club members obtain their amateur licenses. A Novice Class preparation, held in the spring, ended with great success. Three students - Jim Hrin, Jay Carey, and Lou Bruhn - completed the course and passed their license exams. They now have their station and operating licenses from the Federal Communications Commission. Also, Hank Gross has upgraded his license to Advanced Class.

A new preparation course has been started to help other members upgrade their licenses to obtain further operating privileges. This training is held each Monday and Wednesday in the Princeton (formerly Airborne) Conference Room, Falls Church.

The Club meets on the first Wednesday of each month in the Princeton Conference Room and is linked, through a conference phone, to the club members at Fairfax. All Melpar employees are welcome to participate. No license is required, only an interest in amateur radio. Anyone wishing further information may contact John McCarthy on ext. 4107.

MELPAR PASSES 2000 EMPLOYEE MARK

Celebrating with cake and coffee at both Fairfax and Falls Church, Talbot Huff, Vice President and General Manager, welcomes new E-Teamers as Melpar passes the 2000th employee mark. In less than three years the Melpar Division has again doubled its work force.



FALLS CHURCH — from left to right, S. Jami Dittmeier (personnel), Talbot S. Huff, John J. Mehalic, Thomas S. Hufnagel, Samuel D. Bavisotto, Susan L. O'Donnell, Jeffrey W. Morrison, and Mary F. Fontana (personnel).



FAIRFAX — from left to right, James C. Lok, Timothy J. Sullivan, Gregory L. Ruhlin, Neal H. Ishman (Vice President of Advanced Development), Ethel D. Lorenzo (personnel), Talbot S. Huff, Steven P. Wood, Katherine R. Douglas (personnel), James W. Opperman, Charles P. Gyauch, Dennis D. Alexander, and Donald R. Gibbs (Vice President, Finance).

AWARD Cont. from page 1

According to Mr. Huff, the high-radix algorithm provides key advantages from a hardware implementation viewpoint in that it allows considerable flexibility in performing trade-offs between memory size and achievable throughput rates. Mr. Huff explained that the algorithm reduces the number of required multiples in comparison to the Cooley-Tukey algorithm. This reduction was crucial during the VHSIC II chip definition effort where major functions, such as floating point capability, were dependent on providing reductions in total memory requirements. Emphasizing this technological achievement, Mr. Huff claimed that the resulting VHSIC chip definition places the E-

System/ Bell Labs team in the position of leaders in technology.

In association with the Fast-Spectrum Scanner and Fast-Search Processor efforts, Mr. Whelchel contributed significantly in analyses and trade studies on techniques and implementations for digital acquisition and demodulation capabilities. His efforts were focused on issues such as dynamic range, sensitivity, computational complexity, and signal detection analysis.

For a Signal Analysis Module, Mr. Whelchel applied a radix-FFT algorithm which provided improved capabilities within a limited processing time. A mixture of advanced techniques with state-of-the-art hardware permit-

ted twice as much signal data to be processed, thus providing a more reliable classification result.

Mr. Huff also mentioned Mr. Whelchel's contributions to another program in the areas of autoregressive spectral analysis applied to feature extra action and signal demodulation. Whelchel has also more recently worked on the pattern classification process using different strategies.

The ceremony concluded with Mr. Huff presenting the awards to Mr. Whelchel, commending him for his commitment to excellence at Melpar, and noting that this excellence resulted from a special blend of creativity and implementation of new ideas.

1984 SERVICE AWARDS — SECOND QUARTER

Thirty Year Service:



Samuel Dellinger



Donald Hinchey



George Koditek



William Huffman



Edward Johnston



Robert Wright

Twenty-Five Year Service:

Cynthia J. Lukowski
John G. Gallagher
Edward Balchunas

Twenty Year Service:

Evelyn Berry
Lorraine Dabney

Fifteen Year Service:

Anna Ryman
Fred Morley

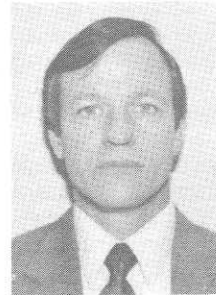
Ten Year Service:

Tim Harvey
Larry Cecchini
Dan Horvath

Five Year Service:

Rudy Thomas
Patricia Gunnell
David Henson
Linda Key
George Daily
Louis Bruhn
Bill Livingston
Tim Sullivan
Bob Angel
J. Mike Walton
Helena Scott
Doug Lasher
Alice Nash
Regis Gottus
Billy Lovelace
Kathryn Garber
Orlin Jordan
Royal Antoine
Cletis Cave
Gary Goodman
Jane Smallwood
John Hope
Roy Krebs
Paul Akimov
William Pallone
Mark McHugh
Matthew Burns
William Georgen
Lawrence Mason
John Pistorino

In Memoriam...



Norman Gregory Fairhurst, a Senior Administrative Engineer at Melpar, died June 1 at the age of 43 of a heart ailment at his home in Fairfax, Virginia. Greg Fairhurst, a retired Air Force Major, had been at Melpar only six

months, but he will be missed by his office colleagues.

Major Fairhurst's military decorations include the Distinguished Flying Cross, the Meritorious Service Medal, and 12 Air Medals. He is survived by his wife, Cheryl and three sons: Shawn, Brian, and Kevin.

RETIREE



William T. Cradlin
28 years

Know Your Benefits... TUITION REIMBURSEMENT

The tuition reimbursement program has been offered at Melpar for over 20 years. Through the reimbursement program, many employees have been able to improve their education for their own advantage and for the benefit of our company. By following a few simple guidelines, all full-time employees may qualify for tuition reimbursement.

The tuition program reimburses the costs of registration, tuition, and laboratory fees for courses taken by employees after scheduled work hours. Courses must be taken at an accredited educational institution and in subject areas related to Melpar's business fields. Fees for a total of six semester credits or seven quarter credits may

be reimbursed each term.

There are three levels of reimbursement. Fifty percent reimbursement is provided for correspondence courses, associate level courses, and courses which fall within the first half of the total requirements for a bachelor's degree. Courses taken within the second half of a bachelor's degree requirements are reimbursed 75 percent. Master's and doctoral level work leading to a degree in any area applicable to Melpar's business field is reimbursed one hundred percent. Courses unrelated to Melpar's fields of business, but required under an approved degree program, are covered when the employee is actively pursuing an approved degree.

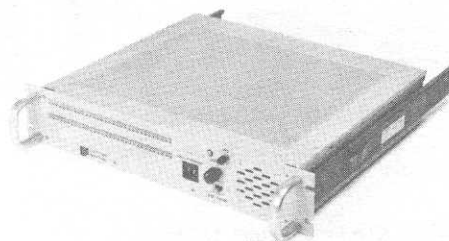
In order to qualify for tuition reimbursement, the employee must first complete the tuition reimbursement form, PER 211, available from stationery stores, at the time of registration. The completed form is forwarded to Industrial Relations in Falls Church for approval and filing. Upon completion of the course with a grade of C or better, the employee sends a copy of the grade received and proof of payment to Shannon Porter in Industrial Relations. Reimbursement normally occurs within ten days of the receipt of the course grade and proof of payment. A record of each course successfully completed and degrees earned will be entered in the employee's personnel file.

PROMOTIONS - MARCH, APRIL, MAY, AND JUNE

| | From | To |
|------------------|------------------------|---------------------|
| D.L. Alderholt | Assem Mech | Assem Tech Grp Ldr |
| D.A. Arentson | Line Inspector | Line Inspec 1cl |
| A.M. Benedicto | Planning Aid | Planning Asst |
| A.W. Beverly | Systems Engr | Systems Supv |
| R.J. Bottenfield | Sr Elec Engr | Prin Engr |
| A.M. Boucher | Assem | Assem 1cl |
| S.R. Brill | Sr Pub Prod Spec | Publications Supv |
| C.M. Buel | Engr Tech | Sr Engr Tech |
| D.E. Carlton | Prin Engr | Engr Supv |
| C.M. Clark | Assem | Assem 1cl |
| A.B. Dugger | Security Clerk | Jr Security Spec |
| J.M. Ebbs | Report Typist | Sr Report Typist |
| D.W. Fikes | Elec Engr | Sr. Elec Engr |
| S.M. Floyd | Elec Engr | Sr Elec Engr |
| L.A. Gegick | Programmer | Software Analyst |
| D.U. Gervasio | Programmer | Sr Programmer |
| N.T. Goldberg | Sr Programmer | Sr Software Analyst |
| T.O. Grapes | Logistics Tech | Logistics Spec |
| L.G. Green | Sr Prog Mgmt Spec | Asst Prog Manager |
| M.W. Guymon | Sr. Engr Tech | Design Engr |
| B.M. Harmon | Data Entry Oper | Storekeeper Grp Ldr |
| R.P. Harvey | Elec Eng | Sr Elec Engr |
| A.C. Hayes | Operations Analyst | Sr Oper Analyst |
| R.L. Heisey | Report Typist | Sr Report Typist |
| G.A. Heitz | Member Tech Staff | Engr Manager |
| J.J. Henry | Sr Mech Engr | Prin Mech Engr |
| N.M. Henry | Sr Engr Tech | Jr Elec Engr |
| J.T. Horner | Prin Engr | Engr Supv |
| E.J. Hottel | Prin Engr | Engr Supv |
| R. Jamison | Planning Spec | Sr Planning Spec |
| M.W. Jenkel | Elec Engr | Sr Elec Engr |
| L.D. Jones | Jr Accountant | Accountant |
| P.W. Jordan | Programmer | Software Analyst |
| E.L. Kelly | Sr Design Engr | Prin Design Engr |
| J.P. Kennedy | Prin Engr | Engr Supv |
| E.W. Knight | Jr Accountant | Clerical Grp Leader |
| J.L. Knox | Assem | Assem 1cl |
| B.R. Kowalik | Jr Mech Engr | Assoc Mech Engr |
| M.E. Krawczyk | Programmer | Software Analyst |
| C.F. Kwadrat | Software Analyst | Software Engr Supv |
| K.C. Lewallen | Logistics Asst | Sr Logistics Asst |
| R.W. Lowe | Prin Engr | Engr Supv |
| R.V. Magarity | Engr Tech 2cl | Engr Tech |
| M.M. Mayhugh | Sr Cost Analyst | Cost Analysis Supv |
| L.B. Messer | Assem 1cl | Assem Tech |
| S.P. Meyers | Metrology Tech | Sr Metrology Tech |
| J.E. Minter | Jr Test Engr | Design Engr |
| D.K. Mitchell | Assem | Assem 1cl |
| D.M. Moore | Planner | Planning Spec |
| P.F. Nee | Software Analyst | Sr Software Analyst |
| P.J. Padgett | Defense Analyst | Sr Defense Analyst |
| D.H. Phillips | Prod Sched Coord | Planning Supv |
| V.L. Pirkey | Computer Operator | Computer Op A |
| P.A. Raminger | Line Inspector | EMI 2cl |
| D.C. Rowe | Engr Tech | Sr Engr Tech |
| R.R. Smith | Elec Engr | Sr Elec Engr |
| N.E. Shooshan | Programmer | Software Analyst |
| A.L. Stewart | Dispatcher | Transportation Supv |
| R.D. Stewart | Planning Aid | Planning Asst |
| C.W. Stump | Elec Engr | Sr Elec Engr |
| R.L. Testa | Sr. Accounts Pay Clerk | Clerical Grp Leader |
| L.T. Thompson | Assem | Assem 1cl |
| M.A. Trbovich | Sr Test Tech | Jr Test Engr |
| J. Trop | Sr Drafter | Design Engr |
| L.M. Unger | Programmer | Software Analyst |
| N.T. Van | Test Tech | Sr Test Tech |
| O. von Bredow | Sr Elec Engr | Prin Engr |
| M.A. Weigle | Programmer | Software Analyst |
| J.W. Whiteside | Engr Supv | Engr Manager |
| R.E. Whitney | Jr Programmer | Programmer |
| C. Williams | Jr Cost Analyst | Cost Analyst |
| M.L. Wood | Planning Aid | Planning Asst |
| J.J. Yavulla | Sr Elec Engr | Engr Supv |
| M.N. Yoselle | T/A to VP | Sr Program Mgr |

NEW PRODUCT . . . TELEPHONE INPUT/OUTPUT UNIT

The latest addition to our new product category is the Telephone Input/Output (I/O) Unit. This unit provides a two-wire interface between the AN/UIC-7 (V) intercom system and the telephone system. Outgoing calls can be dialed directly from any intercom station by means of the standard intercom keypad. A caller from a pushbutton (tone) telephone can direct his call to any of the intercom stations, and incoming calls from a dial telephone are directed to a preselected intercom station. The Telephone I/O Unit also provides automatic answering and hangup capability.



The AN/UIC-7 (V) is a complete family of microprocessor-based digital intercom modules that feature the following: flexible system configuration based on modular design, compounded 6-bit audio, 64 nonblocked digital voice channels serving up to 64 stations, audible and visual call indicators with visual caller identification, conferencing capability, station lock-out matrix, a modern keypad requiring a minimum of operator keystrokes, two-way, push-to-talk radio I/O, and student headset connection.

The AN/UIC-7 (V) Digital Intercom modules have internal power supplies and feature 19-inch rack mounting capability. Intercom stations are connected by means of a serial data bus; repeaters and electrooptical isolators allow multiple location configurations.

The continuing advances of the intercommunications center AN/UIC-7 (V) Digital Intercom clearly reflect the importance of new ideas. The Telephone I/O Unit typifies the positive results obtainable through dedication to System/Product development.

**HAVE AN UNUSUAL
VACATION THIS SUMMER?**
Let us know about it -
call Anne-Marie Eid, ext. 2717

Sports Corner



First-place bowling team with awards, from left, Jim Russo, Bee Martz, Bill Martz, Barbara McFarlane, and Bill Engel.

MELPAR BOWLING LEAGUE NOTES

The Melpar Mixed Bowling League completed their 83-84 season at Falls Church Bowl America this spring with the championship roll-off between the U-STUFF-ITS (first-half winners) and the PINHEADS (second-half winners). The PINHEADS (Jim Russo, Barbara McFarlane, Bill Engel, Bill and Bee Martz) won the season title, defeating the U-STUFF-ITS (Greg Cox, Rob Seliquini, Maggie Fix, Margaret and Kevin Clark) 2845 to 2692 (total pins).

As presented at the annual banquet on June 1 at the Fairfax Elks Lodge, the season's awards included:

High Average:

Joe Bullman - 173
Sally Gentry - 152

High Series:

Rob Seliquini - 635
Maryrose Janssen - 545

High Game:

Frank Chanka - 258
Donna Alter - 231

Most Improved:

Bill Engel - +13
Mary White - +8

High Series HDCP:

Marty Hunter - 655
Bev Kowalik - 647

High Game HDCP:

Hal Laprad - 256
Naomi Bullard - 258

League officers for next year were also announced: Art Beverly, President; Karen Gaizick, Vice President; and Sally Gentry, Secretary.

TENNIS

Tennis season is in full swing. The tennis ladder is presently very active, and a tournament to determine the winner will be held at the end of August. People interested in playing tennis and those already involved with the ladder should keep an eye on the sports bulletin board for further postings and/or signup sheets.

Employees at Falls Church also have permission to use the tennis courts next to the buildings weekdays after 5 p.m. For the key to the courts or further information concerning the tennis ladder, contact Norma Francis, ext. 2141 or Patty Martin, ext. 2131.

GOLF PLAYOFFS

The Melpar golf league has completed the first half of the regular season. The following people are the finalists for this half: first place - Reynold Jamison and second place - Buck Buckingham; Gerry Johnson and Randy Smith are tied for third place.

The winners of the first half will compete against the winners of the second half. Then all the top players will participate in final playoffs at the end of the season. There will also be an 18-hole match between Johnson and Smith to determine who will proceed to the playoffs. The finals will be held in September.

Special congratulations to Pete Piraneo for his hole in one!!

JUNIOR RIFLERY

The second annual Junior Olympic Rifle Championships were held last April at Ohio State University, where 85 of the nation's top junior shooters gathered for the competition. Awards were given for the top three places in junior, intermediate junior, and sub-junior categories. Larry Terry (the son of Lawrence Terry, a Senior Quality Assurance Engineer at Melpar) captured second place in the sub-junior category for the small-bore rifle event.

An Air Rifle Grand Prix has been added to the list of competitive events judged in the National JORC this year. Larry Terry secured third place in this new event for his category. Congratulations to Larry and good luck in the future.

BLOODMOBILE DUE AGAIN IN OCTOBER—PLEASE GIVE!

The blood donation drive this summer at Melpar was very successful considering the usual drop in blood donors during the vacation season.

The bloodmobile at Falls Church on June 12, netted 130 pints of blood, and on June 28, Fairfax added another 50 pints. The 180 pints collected from both sites is indicative of Melpar's continuous effort to support the needs of the community.

The next blood drive will be held on October 9, 1984 when the bloodmobile will be at both facilities.

E-TEAMER A WINNER IN CANON NATIONAL AMATEUR PHOTO CONTEST

A new employee here at Melpar, Mr. John Landers, has won a Grand Prize in the National Amateur Photo Contest sponsored by Canon, U.S.A., Inc.

John Landers won for his photo entered in the People category, and Canon, an official sponsor of the 1984 Olympics, awarded John a trip for two to Los Angeles. Landers commented that the trip will be very exciting, and he is looking forward to being able to share, in person, historic Olympic sporting moments in Los Angeles.

Landers has been involved in amateur photography for only a few years but his photographic talents will most definitely translate directly into his contributions in the Video Production Group.