

# MELPARTICULARS

Volume 3, Number 3

E-Systems, Melpar Division

June 1982

## GOVERNOR ROBB GIVES KEYNOTE ADDRESS AT FAIRFAX DEDICATION



Congressman Wolf and John Dixon are among the notables watching Governor Robb electronically unveil the E-Systems logo.

Melpar-Fairfax facility was officially dedicated on Monday, May 10. The dedication program featured Virginia Governor Charles S. Robb as the keynote speaker. Other notables on the noon program were U.S. Congressman Frank Wolf, Representative from the State's 10th District; John W. Dixon, E-Systems Chairman of the Board; Charles L. Waddell, State Senator from the 33rd District; John H. Rust, Jr., 18th District Virginia House of Delegates; John F. Herrity, Chairman of the Fairfax County Board of Supervisors; James Scott, a member of the Board of Supervisors; Talbot S. Huff, Vice President and General Manager of the Melpar Division; and Neal H. Ishman, Vice President for Advanced Development of the Melpar Division.

Governor Robb spoke extemporaneously to assembled E-Teamers and their guests. He pointed out the major commitment E-Systems has made in the electronic industry and stated that the Melpar Division's continued commitment to commerce and industry is reflected in the fact that we are one of Northern Virginia's major employers. Robb took this occasion to present an original share in a joint stock corporation, The Virginia Company, to Chair-

man of the Board John Dixon.

Congressman Frank Wolf was most enthusiastic about Melpar's expansion. He praised Melpar employees for their outstanding contributions to the community. He stated that the quality of people who work for Melpar in both facilities has made us outstanding members of the community and good corporate neighbors.

The dedication program for the new facility took place in front of the building at noon where seating was set up to accommodate over 280 invited guests and employees from Melpar-Fairfax. E-Systems officials dispensed with the traditional ribbon cutting ceremonies to dedicate their new facility. At the conclusion of the ceremony, an electronic signal was used to draw back a drape covering the Division sign. When Governor Robb triggered the signal that started the removal of the drape covering the E-Systems logo, a voice over the loudspeaker was heard to say, "Maybe this electronic 'stuff' is here to stay. . . ."

Immediately following the program, a buffet luncheon was provided for all the Melpar-Fairfax employees to help mark this day in the history of the Melpar Division.

## MELPAR HOSTS FAIRFAX COUNTY SCHOOL TEACHERS AND COUNSELORS

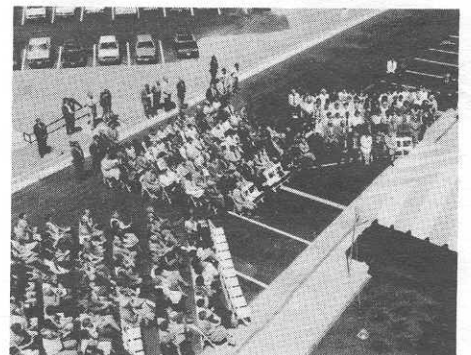
Melpar served as host for the Annual Business and Education Exchange Program for Fairfax County Schools on May 5th and again on May 12th. Each year Fairfax County teachers and guidance counselors spend two days visiting large private employers in the community. The program is designed to make the teachers and counselors aware of existing career opportunities and those predicted for the future. This year the program's emphasis was on "Advanced Technology," featuring Melpar and Fairfax Hospital.

Talbot Huff, Vice President and General Manager, welcomed the teachers and guidance counselors to Melpar. He was followed by Personnel Manager, Jim Guiliano, who opened the program with an introduction to E-Systems. Jim highlighted the various types of projects E-Systems is involved with both at Melpar and world wide. Several Melpar personnel with expertise in specific areas of engineering and electronics addressed the group.

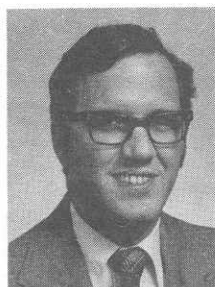
TEACHERS Cont. on page 3



Invited guests hear Governor Robb speak.



## Melpar as I see it:



We're now nearing the mid-point of 1982 and should look back on what has occurred and what we want to make occur during the last part of the year. One of our most successful accomplishments was our move to the new facility. At the end of 1982 we have the challenge of a second move as the facility steadily grows to its ultimate size of 200,000 square feet. I wish to compliment every one at Melpar on the success of this new venture in addition to the successful dedication we had in the early part of May.

With this expansion goes a tremendous responsibility to Melpar management and all our employees. We must sustain and continue to build the business base we have developed. We are now a larger division, and it is my intent that we stay that way. This will not only require increased attention to our new business activities, but close attention to performance on the jobs we have in-house.

Business is built on happy customers, with on-time deliveries and good performance. This, coupled with new initiatives and creative solutions to our customers' problems, will allow us to continue the growth profile we have demonstrated over the past few years.

*Talbot S. Huff*

## Library Up-date

Melpar's Technical Library has increased its use of microreproduction with the acquisition of a new microfiche reader-printer. Through microreproduction, documents are reduced in size and placed on microfilm. This microfilm may be stored as flexible sheets (microfiche), reels, or cartridges. The word "microfiche" is derived from the word "fiche", which is French for card. These three forms are the most simple and cost effective means of information management for storage and retrieval of records and data. Through the use of microfilm large numbers of documents can be safely stored in a minimal amount of space, thus reducing the large number of paper copies formerly retained.

Microreproduction is not new to

## COMMUNICATIONS COUNCIL REPRESENTATIVES ATTEND ANNUAL STOCKHOLDERS' MEETING

The Melpar Communications Council sent two representatives to Dallas this year to attend the Annual Stockholders' meeting on April 20th. Each year two members from each Division meet in Dallas for the annual meeting. Lillian Silverberg and Oscar von Bredow were Melpar's representatives this year. Those attending enjoyed a chance to visit the Corporate offices, the Garland Division, and to meet their counterparts from the other Divisions.

The Communications Council at Melpar represents a cross-section of employees from 6 different departments, and is chaired by Talbot Huff, Vice President and General Manager. The Council meets regularly to review

the items presented by its members. Minutes of each meeting are posted on the Company bulletin boards. The Council serves as a direct channel to Management where employees can voice their suggestions. Since its conception in 1976 the Council has been the catalyst for a number of improvements at Melpar.

The following employees are current members of the Melpar Division Communications Council: Paul Akimov, ECM Group; Nancy Miluszewski, assembly; Lillian Silverberg, Publications; Tom String, Technical Services; Oscar von Bredow, Ground Systems; and Lois Weimer, Finance and Administration. Each member serves the Council for a period of one year.



E-SYSTEMS VP-Corporate Relations Joe W. Russell with Lillian Silverberg and Oscar von Bredow.

## MELPARTICULARS

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most library users. Fairfax County Public Library uses fiche catalogs, as do many colleges and universities. Even Sears and Roebucks' parts list is on microfiche. Although there is a feeling that the library of the future will be all micrographics, librarians of the future cannot see bound books being abandoned, especially in the area of scholarly research.

The librarians will be glad to demonstrate the increased capabilities of our micrographics.

## Security Spotlight

If you plan to leave the United States on vacation this year, don't let the good times end in a bad trip just because you got careless with your money and valuables. A few reminders here may save the day for you.

- If you can't manage the currency exchange, get a money conversion chart and don't be afraid or embarrassed to use it.
- Always count your money no matter how friendly the changemaker seems to be.
- In airports or train stations accept assistance only from official uniformed attendants.
- Don't leave valuables in view at any time.
- Be alert for pickpockets.
- Above all, guard your passport as carefully as cash or travel tickets. The U.S. Passport Office says that stolen American passports are much sought after.

Enjoy a secure vacation!



## WRIGHT RECEIVES CASH AWARD FOR PATENT



William A. Wright, a Principal Engineer in Melpar's ECM Department, was presented an award of \$100 by Vice President and General Manager Talbot Huff for his patent entitled "Solid State Autotune Amplifier." Neal Ishman, Vice President of Advanced Development at Melpar, stands by to offer congratulations.

The Solid State Autotune Amplifier, by means of switches, digitally determines the input frequency. It uses this information to select a bandpass filter for the particular frequency of operation.

## TEACHERS Cont. from page 1

Dennis Krausman, Advanced Systems Manager, discussed future trends in electronics, including Very Large Scale Integration and Intelligent Systems. Ellie Budd, Manager Software Development, translated a line of code into several different programming languages. This illustrated the fact that computers think much differently than humans, and that most programming languages fall between machine and human language.

Tim Harvey, Manager Airborne Systems, described the different types of design work electrical engineers perform and illustrated his case by exhibiting an integrated circuit and a Signal Distribution Control Unit (SDCU) which were produced here at Melpar. Larry Terry, Quality Engineer; Don Hinchey, Metrology Manager, and Bud Hilker, Manager of Inspection, each gave a few minutes to their individual areas of Quality Assurance. Walt Browning,

Manufacturing Manager, gave a description of the manufacturing function at Melpar. Bill Mahood spoke on the important role that technicians play in the support of engineers.

Each presentation stressed the importance of beginning one's career preparation in high school with Math, Science, and Computer Science courses. The speakers also emphasized the value of strong language skills, both for writing and speaking in the working environment.

The group then split into three sections for a tour of the building which included the new 4th floor Computer Lab, the Metrology Lab, the Inspection area, and the Assembly area. The program concluded with lunch in the cafeteria.

This was the first program of this type presented at Melpar. We look forward to more of its kind in the future.

## MELPAR-FAIRFAX OPEN HOUSE

Melpar-Fairfax had its first Open House for the Fairfax employees and their families on Sunday afternoon May 23rd. This was the first opportunity for the relocated E-Teamers to welcome and show their families their new place of work.

In addition to exhibits, employees enjoyed refreshments in the break area served by their own executives. A most memorable afternoon was had by all those who attended.



## Sidewalk Superintendents Take a Break

During lunch and break time, Melpar-Fairfax E-Teamers closely watch the progress of the 2nd phase of our new facility.

Since the opening of Melpar-Fairfax in March of this year, Fairfax E-Teamers have seen significant changes. Along with the completion of the present facility has come the paving of an additional parking area, exterior landscaping and the start of the second building. The steel structure for building two is now in place and construction is proceeding rapidly. We look forward to a December completion for phase two.



Fairfax County teachers and counselors enjoy a tour of E-Systems Manufacturing facilities given by Walt Browning, Manufacturing Manager, and Evy Lowenstern of Personnel (pictured beside equipment).

## MELPAR SERVICE AWARDS — SECOND QUARTER

### Thirty-Five Year Service:

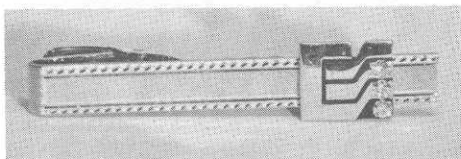
Theodore W. Nelson



Ted Nelson is the first Melpar employee to achieve 35 years of service. A consulting project engineer with the ECM Department, Ted joined Melpar in 1947 after receiving his BSEE Degree from George Washington University. He has most recently been involved in the design and development of several radar warning systems for military aircraft. Talbot Huff presented Ted his 35 year award, a gold tie bar with three diamonds set in the E-Systems logo.

During his tenure with E-Systems, Mr. Nelson has been involved in a number of projects including the development of wideband antenna multi-couplers, Doppler range rate detectors and the design and development of airborne data-handling systems.

Ted and his wife Kathryn are long term residents of Falls Church.



35 year service award received by Ted Nelson.

### AMATEUR RADIO CLUB MAKES BOOK PURCHASE

The Melpar Amateur Radio Club recently purchased a set of books from the American Radio Relay League for the Melpar Library. This set of 22 books, covering all areas of Amateur Radio, is made available to affiliated clubs for donation to libraries. The books are located in the company library at Falls Church, and may be borrowed by all Melpar employees. For more information about the club and its activities, please contact Larry Whitney, ext. 3108, or John Humphrey, ext. 2031.

### Thirty Year Service:

Ira Apter



Ira Apter, Vice President of Operations, receives award for a Melpar career spanning 30 years. Ira has been with Melpar since 1952 when he started as a Senior Engineer working in the Flight Simulator section. Since then, he has held many responsible positions in Engineering, Administration, Supervision, Program Management, Manufacturing and Quality Control. In 1979, Mr. Apter was promoted to his current position of Vice President of Operations, which encompasses Manufacturing, Materiel and Facilities Organizations.

Ira received his B.M.E. degree from Clarkson College of Technology in 1948. Ira and his wife, Dr. Rita Apter, reside in Fairfax, Virginia.

### PRIORITY MAIL SERVICE

The transportation element of Melpar's Traffic organization provides scheduled bus service for our personnel between Melpar-Falls Church and Melpar-Fairfax. The movement of materiel and equipment between the two facilities is also part of their responsibility. Now, a new priority mail system has been added: the Red Bag Service.

Red mail bags have been located with the receptionist in the main lobby of each facility. Personnel needing to send priority information should deliver their mail to the receptionist. Every half hour during the day, the mini-bus driver will pick up the sealed red mail bag and deliver it to the receptionist in the other building. She, in turn, will notify the addressee.

Although the Red Bag Service is primarily intended for the movement of priority mail, the bus drivers will deliver small, urgently required packages between facilities.

### Twenty-Five Year Service:

Frederick A. Behrens  
James R. Hausfeld  
Charles E. Isbell  
Richard W. Lenert  
John M. Marcev  
Antons Matisans  
Lucille A. McVay  
Gordon F. Morgan  
Stanley F. Muzidal  
Burke J. Shires  
Frances L. Wilbur

### Twenty Year Service:

Merle C. Burke  
Aloysius S. Gaizick  
Robert R. Gerber  
Thomas C. Gibson  
Mary E. White

### Fifteen Year Service:

Alfred R. Brochu  
Florine E. Smith

### Ten Year Service:

Noel L. Davis  
Vernon M. Jordan  
Virginia L. Lambert

### Five Year Service:

Jean G. Beane  
Richard N. Brooke, Jr.  
John H. Cole  
Shelby S. Corbin  
John A. Harlow  
Dennis D. Husch  
J. Brook Hutt III  
Edward J. Knickerbocker  
David L. McNeill  
Glides Toledo  
John L. Weinrich

### G.W.'S "MELPAR CAMPUS"

George Washington University held a briefing and orientation on May 3rd in the Melpar Cafeteria for its program in electrical engineering and computer science. It was conducted by Professor Ray Pickholtz, Program Advisor; Arthur Friedman, Department Chairman of Electrical Engineering and Computer Science, and Ed Wright, Program Director for the Division of Continuing Education. Twenty-five people attended and an additional twenty requested information.

Summer classes for the GW program held at Melpar began the week of June 14th and will continue through August 2nd. Registration for Fall classes will take place in the Melpar Cafeteria on August 31st. Course listings will be posted on Melpar's G.W. Office Bulletin Board.

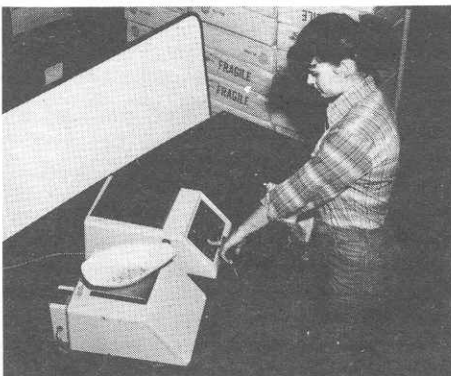


## NEW EQUIPMENT INCREASES EFFICIENCY FOR TRAFFIC CONTROL

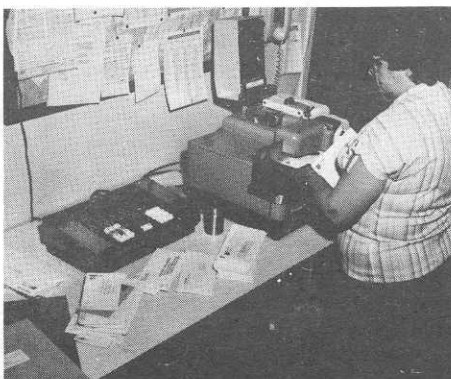
Installed less than one year ago, the ECO 2500 Electronic Scale and the LEO-III Parcel Mail Scale have enabled Shipping and Receiving to handle an ever increasing work load with improved productivity and efficiency.

The ECO 2500 Electronic Scale is designed to count small parts in large quantities. It is controlled by a microprocessor which does most of the work. Nuts, bolts, diodes, resistors and microcircuits can now be counted by weight. To work the scale a sample of a known number of pieces is weighed. The scale then uses this information to weigh any unknown quantity of the same item. It can count up to 20,000 parts with a weight limit of 5 pounds. Operating quickly and accurately, the machine can count a large number of small objects in a fraction of the time and never lose count.

Sending letters and parcels is now easier and faster thanks to LEO-III. Rugged, compact, and easy to operate, LEO-III Parcel Mail Scale combines a weighing platform with a microcomputer console programmed to the precise weight of letters and packages up to 70 lbs. Once the item is weighed and the zip code entered, an operator can compare prices at the touch of a button, eliminating the tedious job of comparing charts.



Patricia Carter with the ECO-2500 Electronic Scale.



Gracie Davis operating LEO-III.

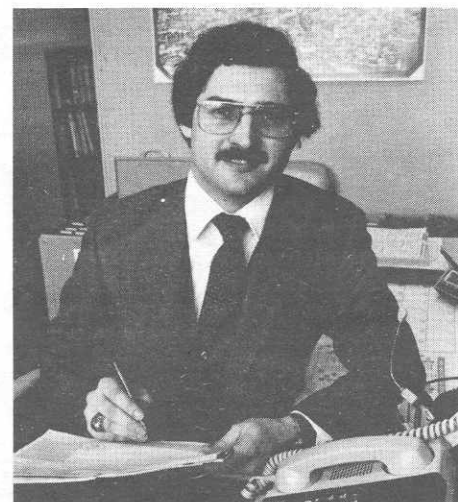
## PURCHASING DEPARTMENT BUYER FEATURED IN ELECTRONIC BUYER'S NEWS

Jim Lisbeth, one of seven buyers and subcontract administrators in Melpar's Purchasing Department, was featured in an April issue of Electronics Buyer's News. This weekly publication provides information for electronics purchasing personnel. In the article, Jim was asked, "What problems does a buyer face in establishing a relationship with a vendor?"

Jim's response centered on developing suppliers who are reliable, meet their commitments and at the same time, provide a reasonable price for the products they sell. Although there are numerous suppliers of the components he procures, the selection of those who will meet Melpar's needs and objectives is a continuing task. In today's buyers' market, many firms indicate they can meet Melpar's needs but fail to perform to our service expectations.

His primary responsibility is to procure connectors, wire, cable, and computer supplies. Jim represents Melpar in those dealings with suppliers and obligates the company for the products he procures. Like all buyers, he provides a flow of information between engineers and suppliers. This includes product and pricing information as well as samples and prototypes when required.

Cost effective purchases made by Melpar's Purchasing Department have a tremendous impact on the success of our contract performance. In addition to ensuring financial savings and a favorable impact on profits, this department plays a major role in keeping production on schedule. The materials they procure must meet stringent performance criteria, comply with government regulations, meet timely delivery schedules, as well as be competitive in price.



## PROMOTIONS — MARCH AND APRIL

	FROM:	TO:
J.S. Arnold	Shop Helper	Mach Op B
C.J. Chausse	Software Analyst	Sr Software Analyst
W.T. Copeland	Systems Eng	Sr Systems Eng
M. Dumal	Cost Analyst	Sr Cost Analyst
S.C. Duvall	Clerk Typist	Jr Methods Eng
E.K. Early	Assem Tech	Assem Tech Grp Ldr
R.O. Funke	Sr Software Analyst	Supv Software Eng
S.A. Gallagher	Report Typist	Sr Report Typist
J.W. Greilich	Eng Tech	Sr Eng Tech
D.A. Hansen	Op Analyst	Sr Op Analyst
M. Hess	Report Typist	Sr Report Typist
R.B. Hohl	Mech Eng	Sr Mech Eng
D.B. Jaynes	Sr Eng Tech	Jr Elec Eng
P.T. Jenkins	Mach 1cl	Mach Group Leader
K.A. Kings	Jr Cost Analyst	Cost Analyst
J.D. Knickerbocker	Tech Insp Tr	Mech Insp 3cl
K.G. Little	Principal Eng	Eng Supervisor
R.E. Lynch	Mach B	Mach A
J.F. McArthur	Elec Eng	Sr Elec Eng
N. Miluszewski	Assem Tech	Assem Tech Grp Ldr
E.P. Robinson	Electrical Eng	Software Analyst
J.S. Smeby	Asst Prog Mgr	Prog Mgr
A.L. Steward	Shipper Packer	Dispatcher
T.C. Van	Jr Test Eng	Assoc Test Eng
D.A. Welch	Maint Mech 1cl	Maint Mech Grp Ldr
M.E. White	PBX Oper	Sr PBX Oper

## Sports Corner

### EAVESDROPPERS TAKE TO THE SUMMER COURTS

The Melpar Eavesdroppers, fresh from a successful, playoff-appearing, 8-3 record winter season, have signed up for the Fairfax County Summer Basketball League. The summer leagues always provide tougher competition. (Only addicted basketball die-hards can relish the thought of playing in un-airconditioned gyms on hot, steamy July evenings!)

The Eavesdroppers' schedule will be posted on the sports bulletin boards in mid-June.

### BOWLING FINALS

The 1981-82 bowling season ended May 6, 1982. The "roll-off" between the first half champions, the Keglers, and the second half champions, the Jive Five, took place on May 13th, with the Keglers emerging as season champions. The last place team was the Balls to Spare.

The following individuals earned trophies:

#### HIGH AVERAGE:

Donna Alter - 145, Bill Breads - 176

#### HIGH SERIES:

Linda Turner - 545, Ned Wright - 634

#### HIGH GAME:

Mary Taylor - 201, Tom Bailey - 246

#### HIGH SERIES HANDICAP:

Debbie Harris - 627, Tony Gordon - 678

#### HIGH GAME HANDICAP:

Pat Cardin - 250, Rob Seliquini - 270

#### MOST IMPROVED:

Pat Cardin - +14, Tony Gordon - +27

League officers for next year are: Laverne Boyd, President; John Hood, Vice President; and Mary White, Secretary.

### SOFTBALL SEASON HAS SUPER START

Melpar's Softball Team entered the Early Bird Tournament at the end of April which gave them a chance to play together before the season started.

To date the team has 6 wins and 0 losses. Melpar has won games from Xerox, Master Print, Mr. Gatti's, Peter Kiewit Sons and Guiffre.

### WOMEN GOLFERS WELCOMED TO LEAGUE

Recruiting signs labeled "Women Golfers Needed", succeeded in encouraging four Melpar women to join the league. The male golfers enthusiastically welcomed the idea of a mixed league. The first two matches were played in good fellowship, harmony and with much jovial kidding.



New Golf League members this year include Karin Gaizick, Beverly Hudson, Renato Spencer and Leslie Hickman (missing from the photograph).

### BOX LUNCHES COME TO MELPAR



Summer is here and the cafeteria has made some timely additions. Box lunches with a choice of either a tuna or ham and cheese sandwich, or fried chicken are now available in the cafeteria. Each box lunch contains potato chips and an apple or two chocolate cookies and condiments. Now E-Teamers can enjoy Melpar's great outdoors and their lunch as well.

### TRAVEL CLUB "LOVES N.Y." AND PENNSYLVANIA, TOO

The New York City trip was a big success again this year. Thirty employees and friends left Melpar by bus on Friday morning, April 23rd for a three day weekend. Included in the cost for the weekend was transportation, two nights at the New York Sheraton Hotel and a Broadway show. The plays selected to see this year were: Forty Second Street, Woman of the Year, and Sophisticated Ladies. On Saturday night, the group had a choice of dinner either at Mama Leone's, Rosie O'Grady's, or Gallagher's. The remainder of the weekend was open for sightseeing, shopping, etc.

According to Jane Simms of Accounting, organizer of this excursion, it was a weekend filled with shopping, eating, walking and sore feet. Some of the highlights included a preview of a CBS television show, "Something Cooking, and a trip through Chinatown. The group returned on Sunday night, tired but already making plans to go again next year.

On May 22nd, the annual shopping trip to Reading, Pennsylvania was well attended by bargain-hunting E-Teamers. Coming up later in the year will be the annual trip to Atlantic City, and the Williamsburg Pottery Factory visit. Jane Simms and Louise Hobbs have done an excellent job of organizing these trips and will keep us posted on future events.

## Round Up the Family

for the Annual Company Picnic

July 18th at  
Smokey Glen Farm

