

MELPARTICULARS

Volume 7, Number 4

E-Systems Melpar Division

August 1986

EXCELLENCE AWARDS GO TO BYERS AND HEITZ AT MANAGEMENT MEETING

The quarterly management meeting was held in the Falls Church facility on July 9, followed by a dinner. The meeting included Service Award presentations as well as a review of the Division's business performance.

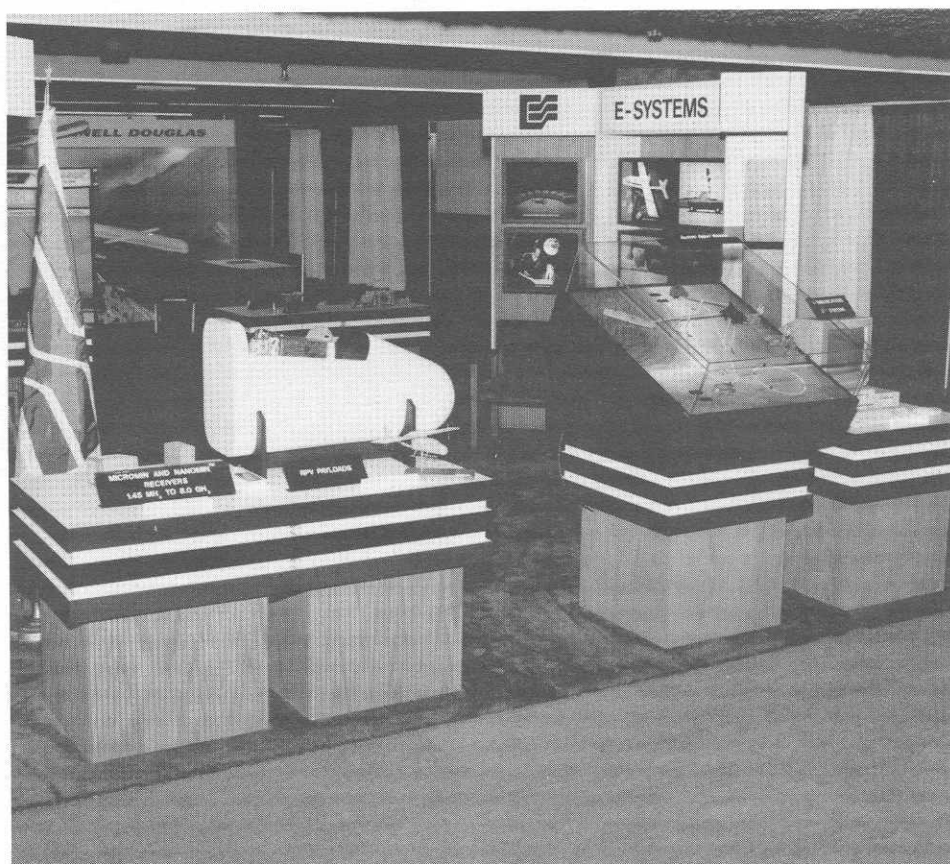
One of the highlights of the meeting was the distribution of the Awards for Technical Excellence and Administrative Excellence. Melpar's Vice President and General Manager, Talbot Huff, began his presentation to an audience of approximately 400 E-Teamers by announcing the winners and commented, "These awards are to recognize outstanding achievements on a technical and an administrative level."

The Award for Administrative Excellence was presented to Peggy Byers, Supervisor of the Customer Relations Group in Advanced Programs, for her important contribution in increasing the effectiveness of marketing support throughout the entire Division without an increase in either staffing or overall expenditures. "What Peggy has been working on is projecting a Company image in an economical way through advertising and trade shows," Huff said. Byers reaction was one of surprise and joy. "I was thrilled to be selected," she said, "But the real significance [of this award] for me was the fact that Management recognizes the importance of a strong Division image in today's competitive environment." She added, "It is crucial that we keep in mind that the award is a recognition of all the work done in Advanced Programs and the support groups that are involved in marketing activities."

Next, George Heitz, an Engineering Manager in Advanced Development, was presented with the Award for Technical Excellence for his outstanding contributions. Like Byers, Heitz was not expecting this award and was very pleased that he was selected. "I think it shows respect for all the people that work in closed areas," Heitz said, "and we appreciate the recognition." His accomplishments in tackling technical concerns of production, quality assurance, matrix management, communications problems, and customer issues won him this well-deserved honor.

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MELPAR UAV TECHNOLOGY EXHIBIT FEATURED AT AUVS SYMPOSIUM



From July 21 through 23 Melpar participated in the 13th Annual Association for Unmanned Vehicle Systems (AUVS) Technical Symposium and Exhibit held in Boston.

Displayed in the E-Systems booth were an Unmanned Airborne Vehicle (UAV) payload compartment with Melpar's COMINT Direction Finding Sensor. A scale model of the UAV showed antenna placement. Melpar also displayed the Remotely Controlled ESM Model and the Micromin and Nanomin™ receivers.

Two other divisions participated in the symposium as well. The Garland Division presented its Tactical Image Processing Display, and the Montek Division exhibited items that included an Electromechanical Actuator, Electronic Controller, Direct Drive Servo-valve, and Bell 22 Actuator.

Melpar Senior Technical Scientist, B.D. Smith, presented a technical paper entitled, "Practical Short Base-

line Direction Finding Techniques for Unmanned Vehicles." The paper described techniques and algorithms necessary to navigate unmanned airborne vehicles toward a threat area and circle targets or make passes to optimize payload performance. The computer portion of his presentation, which included a voice synthesized narration of the algorithm, was also displayed in the E-Systems booth.

E-Systems is a corporate member of the Association for Unmanned Vehicle Systems, and Ed Rose, Technical Assistant to the Vice President of Advanced Development, serves on the AUVS Board of Directors. During the show, approximately 1,000 people toured the exhibit and about 400 people participated in the technical symposium.

*Nanomin is a trademark of E-Systems, Inc., Melpar Division for its subminiature series of low-weight, remotely controlled, fully synthesized receivers.

Security Spotlight

As more personal computers (PCs) enter the workplace, the risk of loss, disclosure, or compromise of classified and/or sensitive information processed on them rises significantly.

The power and the variety of applications of PCs attract a large number of users. Due to this attraction, as well as the accessibility of the systems and their inability to discriminate between the "good" and the "bad" user, one should observe the following practices to ensure a safe and secure computing environment.

- Limit access to your PC. Know those who use it, service it, and repair it. Use system lock-down or power switch locking devices when available.

- Label all diskettes. Indicate the classification level of the data or application on the diskette. Unclassified or sensitive diskettes should also be labeled.

- Don't leave classified and/or sensitive data in the PC. Remove diskettes and store them securely when not in use. Turn off the PC after using it. This will usually clear data from memory. However, check the manufacturer's documentation to be sure.

- Do not allow storage media on which classified and/or sensitive data has been recorded to leave controlled channels until they have been demagnetized. Check with the Melpar Security Department on proper disposal and maintenance procedures.

- Do not trust copy commands, as most PC operating file systems copy files by sectors. Classified and/or sensitive data from a previous file may be inadvertently transferred to another file or storage medium.

- Do not trust data deletion commands such as "remove", "erase", or "delete". The data may not be removed from the diskettes although the file name may be deleted.

In addition, PCs connected to other computers can be accessed, and files and operating systems can be changed without one's knowledge. It is also advisable to beware of borrowed or unsolicited software. These may contain programs specifically designed to capture or alter your data or applications.

From Nat'l Computer Security Center

Credit Union News

The Credit Union is now offering 9% interest on new automobile loans. For further details, visit your Credit Union office in Falls Church or Fairfax.

FIRST ANNUAL FIELD SYSTEM CONFERENCE HELD



Field System Managers Conference (from left to right) Front Row: Field System Manager (FSM) Gerry Bacon; FSM Okey Warden; Operational Support Programs Senior Program Manager Roy Krebs; Jerry Beshens and Rick Ronci, Operational Systems. Back Row: FSM Ron Ostrom; Dogwood Program Manager from DET 9 (AFLC) John Nadolny; FSM Bob Savage; Operational System's Program Manager Al Montecino; and John Shaffer, Field Service Administration.

The first Annual Dogwood Field System Managers Conference was held at the Falls Church facility of Melpar, June 9 through 11.

Field System Managers from state-side and overseas locations attended the conference which was sponsored by Det 8, Air Force Logistics Command (AFLC) and the Operational Support Group. This event provided a rare opportunity for Field Managers to have face-to-face discussions with the Det 8 customers and plant personnel.

Briefings were given on personnel policy, cost control, configuration control, training, and medical care in the field. Most of the briefings were presented by Management, Engineering, and Staff Personnel from the Operational Support Programs Group. Customer Manager from Det 8, AFLC, John Nadolny; Vice President and General Manager Talbot Huff; Vice President of Employee Relations Tony DePasquale; Security Manager Warren Vollert; and Chief Nurse Shirley Kissinger, RN, also participated in presentations for the conference.

In addition, a series of roundtable discussions gave the Field Managers the opportunity to have candid discussions with each other and with Program Management. These exchanges produced policy and procedural guidance on a variety of issues such as

technical changes, the nature of life in the field, and high quality customer service. Discussion topics included plant/field communications, security, integrity, and government/contractor interfaces in the field.

An outgrowth of the conference will be a series of initiatives geared to improve the flow of information to and from the field sites. One such initiative is the new "Field Policy and Procedure Manual" tailored to meet the unique needs of Melpar's growing Field Service Operations.

The Field System Managers stated that the conference was an unqualified success, expressed appreciation to all those who contributed time and effort to support the conference, and said "See you next year" to old friends and associates at the Division.

MELPARTICULARS

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Library Up-date

Melpar employees who have not visited the Technical Library lately may not be aware that the library holds some new subscriptions that may be of interest.

Defense News is a major new publication that has come out covering a wide variety of defense-related matters. A weekly publication in tabloid form, it is a good source of current events in the defense field. Among its regular features is a defense calendar which lists relevant seminars and conferences.

The library also carries *Optical Engineering*, a monthly periodical published by the Society of Photo-Optical Instrumentation Engineers. The journal contains papers concerning the use of new optical technology and the application of known optical technology in new ways. It is also a good source of information on meet-

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MEETING Cont. from page 1



Peggy Byers



George Heitz

Melpar's business status for the first half of 1986 was reviewed by Huff who said, "We need to continue to grow and compete." He discussed the Division's position on sales, bookings, and profits. Huff then covered individual department progress. Beginning with Systems Development, he spoke of expanding business outside Melpar's established areas and then proceeded to cover Advanced Development's activities stating, "I've seen many new ideas in the last few months from this group — congratulations!" He discussed the new programs being pursued by Advanced Systems that are due to be awarded this year. "The atmosphere is going to be more competitive and it is important that we stay close to the customer," he pointed out.

KATE FINN RECEIVES PhD

Kathleen E. Finn recently completed all the requirements for a PhD in Computational Linguistics at Georgetown University.

Finn's PhD dissertation, "An Investigation of Visible Lip Information to be used in Automated Speech Recognition," was successfully defended. Her degree will be conferred in August, 1986.

Currently working as a Computational Linguist, Finn has been at Melpar for three years. She works in the Computer Systems Department and is responsible for the development of a natural language interface (Natlip™) IR&D project. Finn received her BA in English from the University of Maryland and her MS in Linguistics from Georgetown.



*NATLIP is a trademark of an E-Systems, Inc., Melpar Division Natural Language Interface Program.

GWU FALL REGISTRATION SCHEDULE ANNOUNCED

The George Washington University School of Engineering and Applied Science will hold fall registration at Falls Church the third week of August.

Masters of Engineering Administration (MEA) students will be able to register on Tuesday, August 19, between 5 and 7 p.m. Students in the MS programs in Communications (EE) and Computer Science (CSci) will be able to register on Thursday, August 21, from 5 to 7 p.m. For academic information call GWU's MEA faculty advisor, Professor Terry Lynch, at (202) 676-3653. Professor Pickholtz will also be available for individual academic counseling during registration. In the interim, he may be contacted at (202) 676-6538.

For the fall semester, GWU will offer 5 courses in Electrical Engineering, 4 in Computer Science and 2 in Engineering Administration. The following will be the courses offered:

EE 205	Stochastic Signals and Noises—Mon
EE 242	Coding Theory—Thur
EE 251	Switched Telecommunications Networks—Thur
EE 271	Satellite Communications Systems—Wed
CSci 203	Microprocessors and Microcomputers—Thur
CSci 217	Computing Algorithms—Mon
CSci 258	Advanced Programming Languages—Tues
EAD 212	Engineering Administration—Tues
EAD 269	Elements of Decision Making and Problem Solving—Thurs

Tuition is \$328 per credit hour, or \$984 for each three credit course. Tuition may be paid in full at registration, in installments, or by credit card (VISA or Mastercard). Books and all administrative forms will be available at registration. EE and CSci classes begin on Wednesday, August 27, and MEA classes begin on Thursday, September 9. Each class meets one evening per week from 6 to 9 p.m.

For general assistance on administrative matters, please contact GWU Program Coordinator Lee Martin at (202) 676-7024.

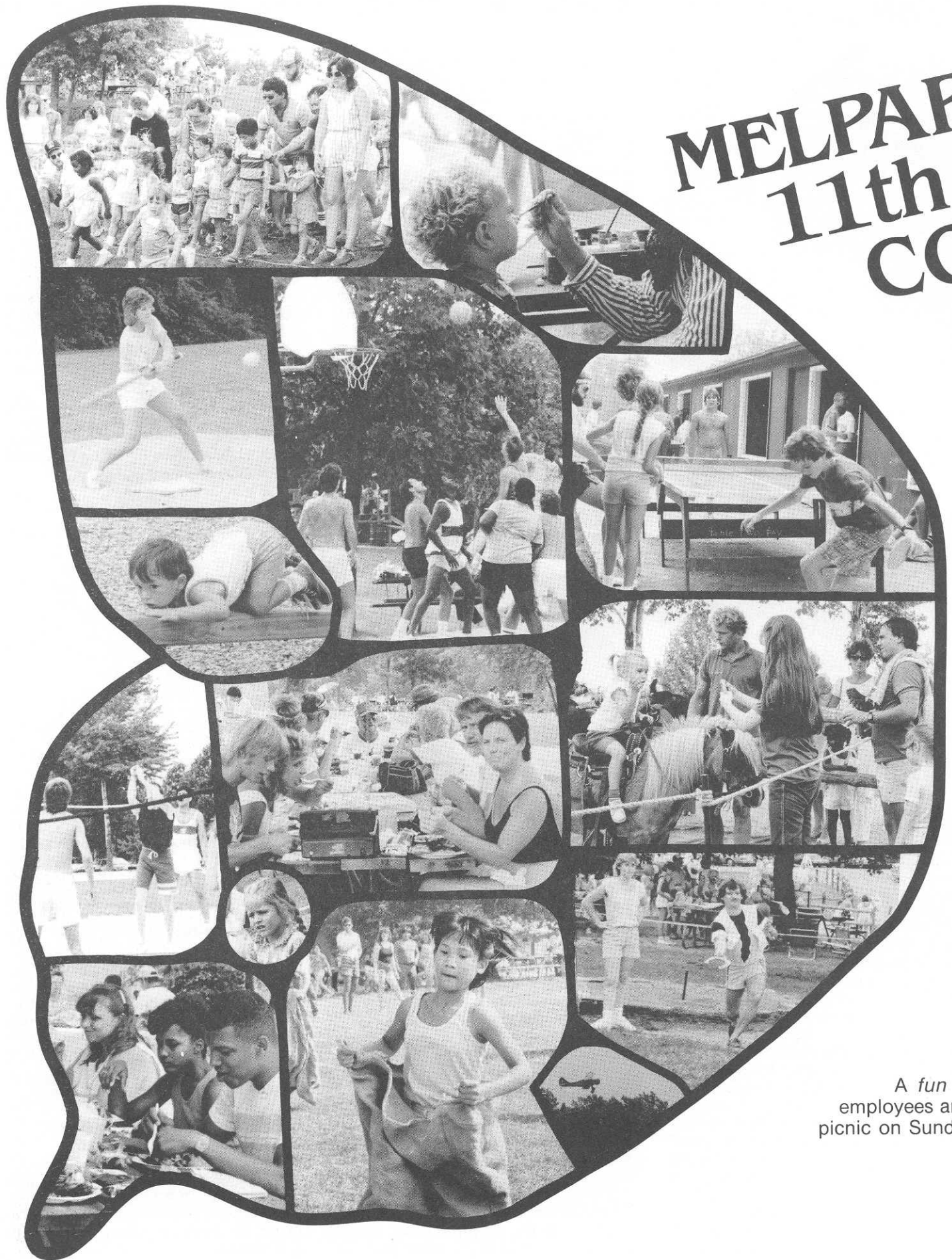
He then advised, "We need to support new business but we also need to deliver the jobs we have."

Following his analysis of Melpar's performance, he spoke about the business environment in general. "We must have greater efficiency at lower cost," he said. "It is important that we bid what we need and that we be responsive to the requirements of our customers." He also emphasized the importance of striving for more Government funded technical research and development. "Our continued growth is dependent upon our expanding technology base."

Concluding his speech, Huff stated, "We have a responsibility to the stockholders of the Company as far as company profit is concerned." He

stressed that every employee present was in part responsible for providing growth and profitability in the Company and should work together in order to achieve precisely this for E-Systems.

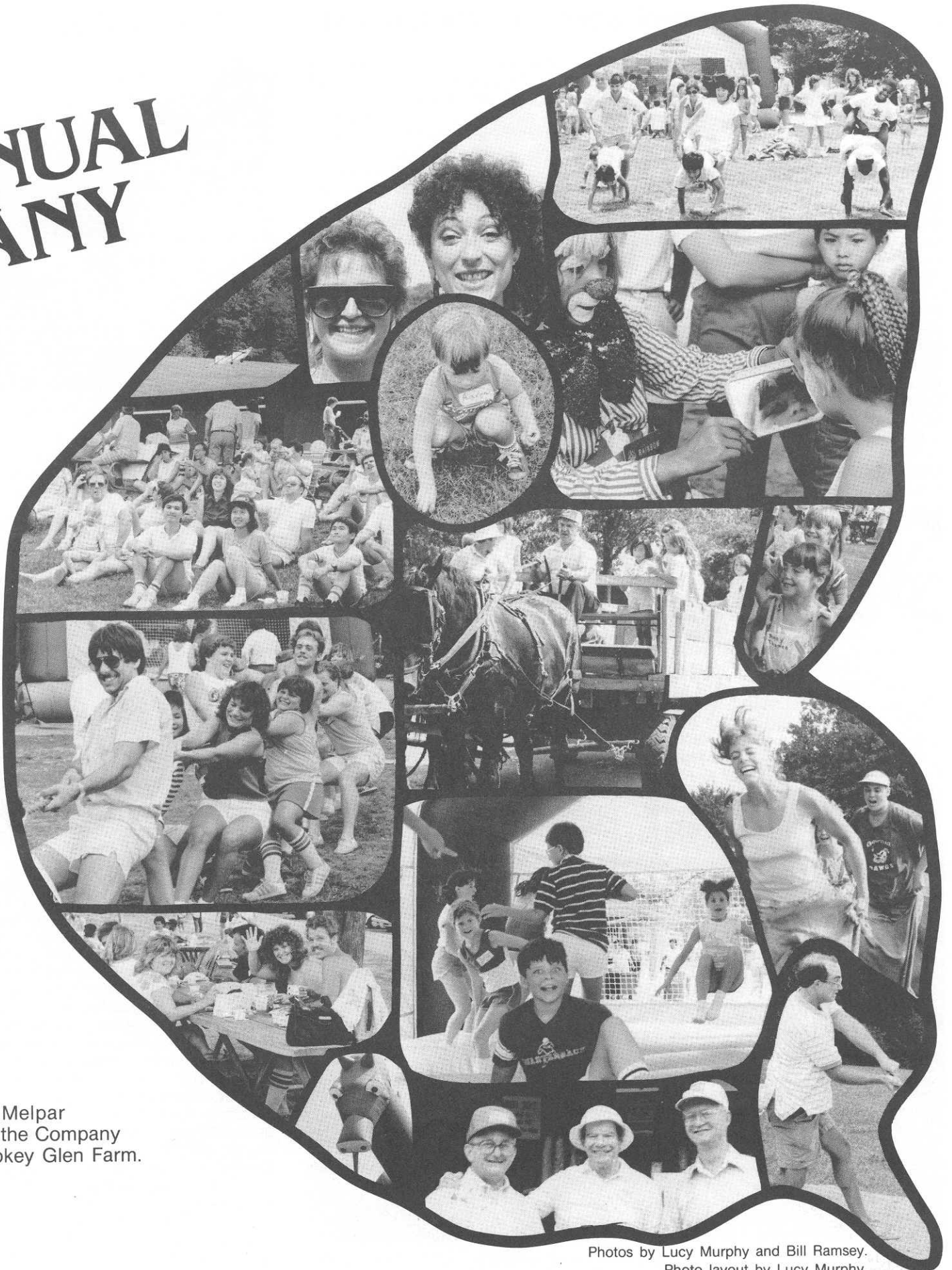
MELPAR 11th ANNUAL COM



A fun time with
employees and their
picnic on Sunday, July

ANNUAL COMPANY

had by Melpar
families at the Company
13 at Smokey Glen Farm.



Photos by Lucy Murphy and Bill Ramsey.
Photo layout by Lucy Murphy.

OUTSTANDING EMPLOYEE BOND PARTICIPATION KEEPS E-SYSTEMS AT THE TOP

For the fourteenth year in a row, E-Systems has been recognized as a national leader in Savings Bond Campaign participation.

As a result of this year's very successful Savings Bond Campaign at Melpar, 98.5% of employees are enrolled in payroll deduction savings bonds with biweekly deductions totaling \$26,704.15. This contributed to a Company wide involvement of 99.3% from all E-Teamers towards the Savings Bond Program.

This year's campaign representatives for the Division were crucial in getting the campaign off to a good start. All bond participants were eligible for the drawings which were held on July 3. The winners of the \$100 bonds were Glen Claypool, Don Eggar, Gloria Runion, and Ron Stanton. The winners for the reserved parking spaces for one month were Charles Blum Jr., Thanh-Van Cao, Carlos Espejo, David Freer, Tim Grapes, Marc Josephson, Gary Kelley, Karl Samuels, and Betsy Peck. The campaign representatives who won bonds were Maggie Hess, Betty James, and Monte Vanness. In addition to bond prizes and privileged parking benefits, corporate held a company wide drawing for three Las Vegas trips. The winners of those trips were Billy Huey from Greenville, Phyllis Hockl from ECI, and Elliot McFadden from Garland-ETAG.

The 1986 Campaign kicked-off with breakfasts, hosted by Vice President and General Manager Talbot Huff, at Falls Church and Fairfax for all representatives. Carl Lee, who is currently area manager from the Department of the Treasury, U.S. Savings Bond Divi-

sion, was the guest speaker and he outlined the status of bonds from an investment vantage point.

The interest rate of EE savings bonds changes every six months, in May and November. The rates are based on 85% of the average market return on Treasury Bonds and Notes (with five years to maturity) during the previous six months. Bonds that have been held at least five years will have an interest rate which is actually an average of 10% or more market-based rates (but no less than 7.5%) compounded semiannually.

Since the market-based rates began in November of 1982, the 54 month average has been 9.36% interest. Bonds purchased on or after November 1, 1982, will take a maximum of 10 years to mature. This is based on the time it takes a bond to grow from issue price to face value at the guaranteed 7.5% minimum, compounded semiannually. If the market-based rate stays above the minimum, the bond will reach its face value before the 10 years. The bond will continue, however, to receive additional interest beyond its face value.

If older Series E Bonds and Savings Notes are held five years after November 1, 1982, they will receive a market-based return or their guaranteed minimum rate, whichever one is higher. Series E bonds issued prior to November 1, 1947, are not eligible for the market-based rate.

The following information provides some answers to frequently asked questions about bonds:

REPLACING BONDS — If your bonds are lost, stolen, damaged, or destroyed, they can be replaced with



Vice President and General Manager Talbot Huff pulling the winning bond names out of hat held by Dot Gladden of Publications.

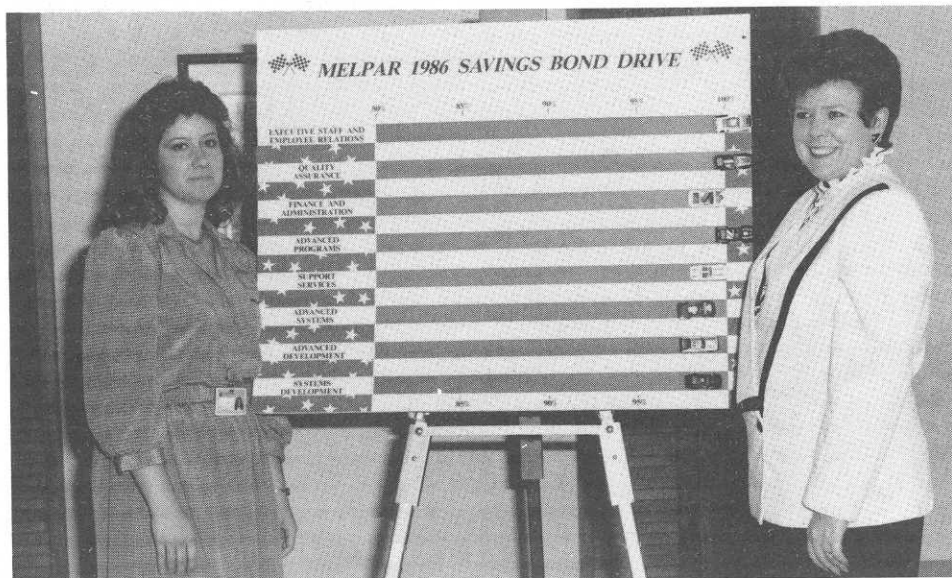
no loss of interest by mailing all known information to the Bureau of Public Debt.

RECORD OF OWNERSHIP — Forms are available in the Employee Relations Department. These are recommended for all bond owners to record issue date, serial numbers, and denominations.

TAX STATUS ON BONDS — The difference between the price paid for E bonds and the redemption value is considered to be interest. This interest is subject to federal income tax, but not state or local taxes. An owner has the option of reporting interest each year or the total interest paid at the time the bond is cashed upon maturity, whichever comes first.

SAVING FOR THE FUTURE — Many people utilize bonds as a means of saving for upcoming college expenses for their children. By placing a bond in the name of a child (listing yourself as the beneficiary) the Federal tax liability of the bond interest is greatly reduced or eliminated. In order to do this, you must have a social security number for your child. At the end of the first year, file a federal income tax return in your child's name, including as income the Series EE Bond interest earned for that year. Filing this return is optional under the tax law. Once this choice is made, no further returns need be filed (or taxes paid) unless your child has an unearned income (i.e. interest exceeding \$1,040.00). If your child has an earned income, a return may be required depending upon the amount and character of the income.

For any questions concerning savings bond information contact Evy Lowenstern or Kathy Samples in the Employee Relations Department.



Standing beside the Melpar Bond Drive poster (designed by Senior Illustrator Karl Samuels,) are campaign representatives Kathy Samples (left) and Debra Sparks (right).

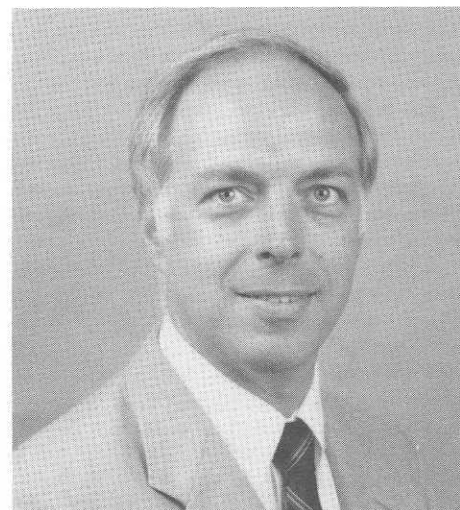
PROMOTIONS — MAY AND JUNE

Falls Church

	From	To
G.T. Aschenbrenner	Elec Engr	Sr Elec Engr
T.M. Bertoni	Assoc Methods Engr	Methods Engr
T.E. Carver	Elec Engr	Sr Field Elec Engr
M.A. Cianciosi	Elec Engr	Sr Elec Engr
L.R. Conroy	Elec Engr	Sr Elec Engr
R.S. Davis	Cost Analyst	Sr Cost Analyst
G.I. Desgranges	General Supv	Mgr Material Contr
E.T. Doyle	S/W Analyst	Sr S/W Analyst
M.J. Dudley	Secretary	Exec Secretary
W.A. Engel	Elec Engr	Sr Elec Engr
J.A. Fenrich	Sr Design Engr	Prin Design Engr
B.W. Flowers	Programmer	S/W Analyst
A.E. Gort	Opr Analyst	Sr Opr Analyst
H.M. Harker	Jr Mech Engr	Assoc Mech Engr
D.A. Harris	Sr Data Entry Opr	Sr Data Entry Opr Grp Ldr
S.F. Harris, Jr	Facilities Engr	Facilities Supv
C.S. Harry	Computer Opr Tr	Computer Opr
R.D. Hartland	Assoc Elec Engr	Elec Engr
T.S. Hausfeld	Assoc Elec Engr	Elec Engr
S.A. Helton	Procedures Analyst	Procedures Supv
T.E. Hubicz	Assoc Mech Engr	Mech Engr
M.B. Jensen	Jr Elec Engr	Test Engr
P.W. Jordan	S/W Analyst	Sr S/W Analyst
W.H. Jordan	Assoc Elec Engr	Elec Engr
L.G. Key	Jr Contracts Spec	Contracts Spec
D.A. Kilgore	Sr Logistics Engr	Prin Logistics Engr
P. Kless	Per Services Supv	Per Services Mgr
R.S. Krassowsky	Elec Engr	Sr Elec Engr
C.A. Layno	Assoc Elec Engr	Elec Engr
T.A. Le	Assoc Elec Engr	Elec Engr
D.J. Manno	Programmer	S/W Analyst
D.A. Millberry	Actg Clerk	Accts Payable Clerk
H.C. Nguyen	Assoc Elec Engr	Elec Engr
E.A. Noell, Jr	Drafter	Sr Drafter
A.W. Nuti	Assoc Elec Engr	Elec Engr
T.D. O'Brien	Dupl Mach Opr	Press Opr
J.B. Payne	Stock Clerk	Asst Govt Property Adm
K.F. Perry	Purchasing Asst	Buyer
R.P. Polak	Prin Engr	Engr Supv
C.P. Potemra	Prin Engr	Engr Supv
N.A. Samuels	Programmer	S/W Analyst
S.M. Schultheis	Assoc Human Factors Engr	Human Factors Engr
L.E. Smietan	Jr Cost Analyst	Cost Analyst
B.M. Sisk	Assembler	Assembler 1cl
T.A. Stroz	Assoc Elec Engr	Elec Engr
C.W. Stump	Sr Elec Engr	Prin Elec Engr
K.R. Thomas	Assoc Elec Engr	Elec Engr
R.R. Thomas, Jr	Purchasing Asst	Material Price Est
L.M. Unger	S/W Analyst	Sr S/W Analyst
S.L. Vagnoni	Sr Tele Maint Tech	Sr Tele Maint Tech Grp Ldr
R.E. Weaver	Engr Tech	Sr Engr Tech
R.O. Williams	Assoc Elec Engr	Elec Engr
R.C. Wills III	Elec Engr	Sr Elec Engr
S.J. Winsor	Tech Editor	Sr Tech Editor
L.J. Ziegler	Sr S/W Analyst	S/W Engr Supv

Fairfax

K.L. Aumen-Hughes	Logistics Aid	Logistics Asst
D.M. Bartell	Programmer	S/W Analyst
A.M. Beck	Engr Tech	Sr Engr Tech
J.D. Bryan	Quality Engr	Sr Quality Engr
P.H. Clark	Assoc Elec Engr	Elec Engr
T.R. Cooper	S/W Analyst	Sr S/W Analyst
T.T. Dao	Programmer	S/W Analyst
S.J. Davis	EMI	EMI 1cl
S.E. Decker	Program Analyst	S/W Analyst
A.H. Gross	Assoc Elec Engr	Elec Engr
R.P. Harvey	Sr Elec Engr	Elec Engr
H.A. Hastings	Assoc Elec Engr	Elec Engr
E.C. Horseman	Stock Clerk	Data Entry Opr
J.P. Koskullitz	Programmer	S/W Analyst
A. Matisans	Sr Test Engr	Prin Test Engr
S.T. Miller	Assoc Elec Engr	Elec Engr
T.N. Tran	Programmer	S/W Analyst

K.B. YANCEY ...
NEW DIRECTOR OF
EMPLOYEE RELATIONS

Kenneth B. Yancey has joined Melpar as Director of Employee Relations, reporting to the Vice President of Employee Relations Anthony DePasquale. In the capacity of Director, Yancey will be assuming many of the responsibilities in the personnel operation.

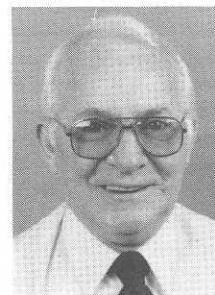
Prior to Joining Melpar, Yancey held a variety of human resource management positions with the General Electric Company. Most recently, he served as Employee Relations Manager for Harris Corporation's Government system sector in Melbourne, Florida. He has also served as Director of Personnel for the State of Virginia.

Yancey holds a Bachelor's degree in Political Science and Philosophy with a minor in Mathematics from Virginia Polytechnic Institute & State University. He has completed coursework for a Master's degree in Human Resources Management from the Florida Institute of Technology. He currently resides in Fairfax, VA with his wife and four daughters.

RETIREES



Sallie C. Bowman
27 Years of Service



Luther L. Howard
21 Years of Service

Sports Corner... SOFTBALL PLAYOFFS

E-TEAMERS

The outset of the 1986 Men's Industrial Softball League was marked by the Melpar E-Teamers' confidence.

Despite a 1-3 record in the Early Bird Tournament, this confidence seemed well-founded as the Division III Melpar E-Teamers started the regular season with a six game winning streak including victories over the Division II's top team, Sperry, and the second best team in Division I, CWA. Both these victories snapped four year losing streaks in head-to-head competition with those teams. After this team's best start in 4 years (8-1), many of the players went on vacation or work-related trips and the E-Teamers had to struggle through the last games before the season break, ending with a 13-3 record.

Following the season break, Melpar clinched the Division III title and a playoff berth after two decisive wins against inter-division opponents. Then, being overconfident, the E-Teamers dropped both games in a double header but came back to win the last two games in the regular season for a 17-5 final record.

During the season break, a smaller group went to the Manassas Blue Class "D" invitational. Melpar won the first two games they played but stumbled one game short of a berth in the regional Class "D" playoffs.

Key injuries hurt the Melpar team's performance in the playoffs but in retrospect, the season was a good one all around for the E-Teamers. All the members are looking forward to the next season with hopes of an undefeated record. We wish them all the best of luck!

BUSHWACKERS

The Melpar Bushwackers closed out the 1986 summer softball season with a 10-9-1 record for a 6th place finish.

The team was in second place with six games to go, but lost four out of the last six games, dropping the team back. But the season was still gratifying because the Bushwackers made a respectful showing in the Men's Metro Two, the second best league in Fairfax county. The team advanced to the Men's Metro Two after their incredible 18-0 record last season and their domination of the 1985 Industrial League.

The team thanks all the fans for their support and hopes to continue its winning ways in the 1986 fall season!

THE STINGERS

The softball season opened for the Melpar Stingers on April 30 with a relatively new team and two convincing victories. The Stingers went on to capture four more tough wins and a tie before the season ended, beating the top two teams but finishing with a 6-11-1 record. Having moved up a division since last year, the talented Stingers lost many close games.

All in all, 1986 proved to be a great learning experience for the women's softball team. Having a lot of fun, the team members became close friends as they shared many happy and frustrating times on the ball field!

For anyone interested in playing women's softball this fall, contact coaches Jerry Coffey, x4080 or Bob Thomas, x4413.

SCOTT OAKES TOURS WITH CHORAL GROUP

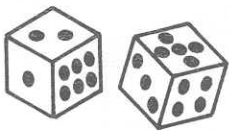
Taking advantage of a unique opportunity to travel on three continents, Electrical Engineer Scott Oakes took a four-month leave of absence from Melpar to perform with the Continental Singers, a non-profit organization based in California.

Oakes was one of 22 vocalists and 10 musicians who performed 75 concerts throughout the United States, Europe and Africa. "It started with two weeks of grueling rehearsals and five concerts in Los Angeles," he explained. "After those shows we flew to Kenya for a week and then to Belgium, France, Germany, and Holland for about two and a half weeks, followed by a hectic 10 week tour all over the U.S." According to Oakes, the schedule was so full there was hardly any time for personal sightseeing. "Every day we would get to a concert location about four hours ahead of time, set up our equipment, have an hour prayer session, and then perform our concert," he said.

Despite his busy schedule, Oakes did have some interesting encounters with the families that hosted members of the group in the many cities on the tour. This was especially true when the Continental Singers traveled to Africa. The group only spent a short time in Nairobi before splitting up and heading to the remote northern regions of Kenya where outsiders are rarely seen. "I guess if there was a cultural shock anywhere, it was in Kenya because we lacked a lot of conveniences such as running water," Oakes said.

Following some sightseeing at game reserves and a concert in Nairobi, the Continental Singers flew to Europe where they performed in a different city almost every night. Oakes' strongest impression of Europe was when the group traveled to East Berlin where they gave a concert in one of the Baptist churches. "It was an awesome thing for me to be on the other side of 'The Wall'," Oakes said. "The East German people were equally, if not more, committed to being Christians and we knew the price they had to pay for their beliefs. It was sad when we had to leave because we said goodbye to new-found friends we probably would never see again."

Oakes has been back for several months now. He has nothing but praise for E-Systems for enabling him to pursue this challenge. "My supervisor and manager gave me the chance to take advantage of a great opportunity," Oakes said, "I think it says a lot for the management at Melpar who approved this leave."



Plans are in the making for a Friday evening bus trip to Atlantic City in September. For further information contact Art Beverly, x2706 or Ray Wills III, x2760.

LIBRARY Cont. from page 3

ings and short courses in the field of optical engineering.

The library subscribes to several periodicals on personal computers including *PC Magazine*, *PC World*, and *PC Tech Journal*. In addition, a subscription to *PC Week* has been placed and should be available shortly.

Finally, with the heavy interest in the UNIX system here at Melpar, the library now subscribes to two publications devoted exclusively to UNIX — *UNIX Review* and *UNIX/World*.

So stop by the library to read these and other periodicals. Every issue, except the current one, may be checked out for one month.