

melpar-a-graph

MELPAR A Division of LTV Electrosystems, Inc.

Volume 16, Number 4

June 1971

1970 ANNUAL AWARDS WINNERS-

Sweeney, Woods, Richter & Stone



VIP award winner Anthony Sweeney (left) accepts his U. S. Savings Bond from Vice President T. D. Kelly.



Almeda Woods (right), who tied for first place VIP award, receives her bond from Vice President T. D. Kelly.



William J. Richter (right) accepts the award for the Publication of the Year from Vice President R. B. Power.



William M. Stone (right) is recognized by President J. P. Chambers for his winning invention, "Adaptive Pulse Analyzer with Cross Correlation."

At the quarterly Management Dinner on May 26th Melpar honored winners of the 1970 Value Improvement, Publication of the Year and Invention of the Year awards.

The winners each received a U. S. Savings Bond and a year's subscription to the publication of their choice. Their names have been engraved on the permanent plaques in the Melpar Main lobby.

Co-winners in the Value Improvement Program were Anthony J. Sweeney and Almeda P. Woods. Tony was unable to attend the dinner as he is serving on active duty with the Navy.

Tony's suggestion was to use both sides of the paper used in printing Engineering Change Notices, thus substantially reducing paper and file space.

Almeda suggested a standard pre-printed form for preparation of a monthly report reducing preparation and typing time and standardizing the format for easier reading and understanding.

William J. Richter won the Publication of the Year award for his treatise, "Signal Error Rate of An Impulse Noise Channel." Other nominees for this award were: John E. Whelchel and David Guinn for "FFT Organization for High-Speed Digital Filtering;" John C. Solberg for "Statistical Processes and Noise in Image Intensifier Tubes;" and William V. Goodell for "A Precision Variable Luminance Source for Photometric Applications."

William M. Stone was honored for his

MELPAR CHAIRS

AFFIRMATIVE ACTION PROGRAM

Melpar sponsored an Affirmative Action Panel at the May meeting of the Northern Virginia Management Advisory Council held at the Fairfax Holiday Inn.

Panel members were Cortez Puryear and John Roil, Contracts Compliance Specialists from Fort Holabird, Maryland; Lambert Murphy, Chief, Industrial Relations, Atlantic Research Corporation; and C. C. Haley, Melpar's Employment Manager.

Mr. Puryear and Mr. Roil have cognizance over all government contractors in the Northern Virginia Area relative to compliance review of affirmative action programs.

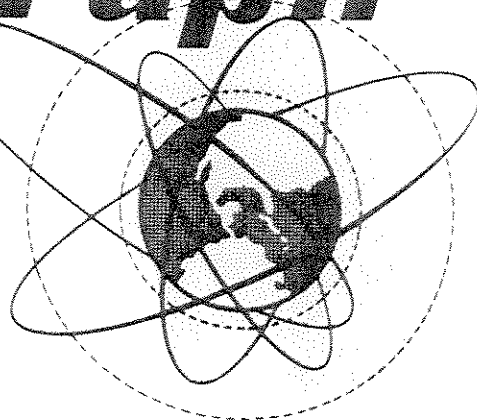
The meeting was attended by 33 people representing 14 area companies.

LTV PAYS DIVIDEND

The LTV Electrosystems, Inc. board of directors has declared a cash dividend for the second quarter of 7½ cents per common share to be paid on June 25, 1971 to shareholders of record June 11, 1971.

John W. Dixon, Chairman of the Board and President, said today that this is the fourth consecutive quarter that a dividend of this amount has been paid.

patent, "Adaptive Pulse Analyzer with Cross Correlation." Other nominees for this award were: Edward M. Connelly for his patent, "Trainable Logical Element Having Signal Pass Solidification Capability;" and William V. Goodell for his patent, "Large Relative Aperture Plastic Lens System."





MELPAR'S HAMS . . . There is a group of Melpar employees who share the same hobby, Amateur Radio. Thousands of people in all countries of the world enjoy this hobby. A knowledge of electronic theory plus ability to send and each receive International Morse Code is required in addition to passing a written test given by the Federal Communications Commission. After call letters and license are issued, equipment is set up and the station is ready for operations employing either Single Sideband, Double Sideband, AM, CW, (continuous wave) or TTY (Teletype).

The world is your playground when you are a "ham" . . . while most amateur hobbyists enjoy operating for the pleasures of chatting with domestic and foreign friends, underlying it all is the philosophy of public service. They provide emergency communications during earthquakes, hurricanes, tornadoes, and other emergency situations; they handle phone patches (conversations between a service man on his base to his family at home); and become a part of various networks concerning other projects. Great strides have been made in technological improvements through design and testing. Radio amateurs are credited with the initial development of radar, for the remote control of traffic signals, assistance in tracking of the first satellites, and the list goes on. Each operator has the responsibility for keeping a log of his transmissions, making sure his equipment is operating within the limits outlined by the FCC, and each follows the Code of the Amateur that includes being gentlemanly, loyal, progressive, friendly, balanced and patriotic.

One's station can be either "fixed," "portable," or "mobile." There is also a social side of being a "ham" if desired. Radio clubs, Field Days and Hamfests are a few of the functions.

Ham radio operators have a special fellowship — no one is a stranger on the air. Amateur radio has proved to be a most enjoyable, entertaining, and worthwhile hobby.

Left to right, standing: Ralph Fisch, W3EXU; Jeff Goldman, K3DUA; Gil Machen, K4PCT; Glenn Miller, WN4OUP; George Dively, W4CLU; Duane Durst, WB4PBD/K3CLX; Earl Rhue, W3NNO; and Jack Chandler, WA4YXK. Seated left to right, Bill Ramsay, K4ARU; Eleanor Duncan, K9IHR/WB4KRR; Harry Vorhauer, W4PVA; Frank Crotty, WA4SOR; and Bill Stone, W4KVI. Hams missing from the picture are A. Y. Lee, W4PDO; John Glover, K4MXF; Gary Goodman, W4DCC/WA3LPC; E. E. Jacob, WA4OBE; Dr. Jerrell Jones, W5TUU; and Dick Pearson, K4VMO.

Beware of Old Sol

(Don't blister, Sister)

Now that sea and surf season is with us, it is time to remind ourselves of the harmful effects of the sun's rays.

Ordinary window glass filters out all of the sunburn-producing rays; to a great extent smoke and smog function similarly. The presence of sand or water may, by reflection, result in pronounced increase in exposure.

Ordinary sunburn results from overexposure of the skin to ultra-violet waves. Symptoms and signs appear in 1 to 24 hours. Except in very severe reactions, skin changes will have passed their peak in 72 hours. If a large portion of the body surface is severely affected, symptoms of fever, chills, weakness or shock may appear.

Most cases of severe sunburn are unnecessary and are the result of failure to observe simple precautions.

Overexposure must be avoided. The first time in the sun, limit your exposure to 5 to 20 minutes depending on your own sensitivity. Build up your exposure time gradually. And don't be fooled by cloudy weather — you can burn before you feel it.

Small children should be protected from the sun by wearing T-shirts and sun hats. Sun hats are equally important for grown-ups for any long periods in the sun whether it be yard work, boating, fishing or swimming. Sun glasses should be worn to protect the retina of the eyes.

Many preparations are available to shield the skin from the sun's ultra-violet rays and prevent burns. Complete dependence on skin creams and ointments for prolonged protection is risky and frequent re-application is usually necessary since they may be washed away rapidly by perspiration or bathing. One of the best and most lasting sun protective creams is red petrolatum.

PARKER JUDGES AT NORTHERN VIRGINIA SCIENCE FAIR

Melpar's president J. P. Chambers has received a letter of commendation from Phoebe H. Knipling, Director, Northern Virginia Science Fair, for the services of Lab Manager Clair F. Parker who recently served as a counselling judge for students of Alexandria, Arlington and Falls Church schools.



Engineering Aid Nancy Wedlar operating a WANG 700 calculator, one of the new generation of small desk-type computers. Melpar has been using this equipment about one year.

Nancy developed a program, "Polynomial Roots Solving Package" which was accepted by WANG Laboratories and recognized in the May issue of the WANG Laboratories monthly newspaper. To date Melpar has received 15 requests for the program. Nancy developed the package in January under the direction of William Alderson, Technical Assistant to Chief Engineer William Anderson.

As a part-time employee during the summer and semester breaks Nancy attends Bucknell University where she is majoring in Math and French. She will graduate in June 1972.

WANG Laboratories is a computer and calculator manufacturer of Tewksbury, Mass., specializing in small desk-type units.

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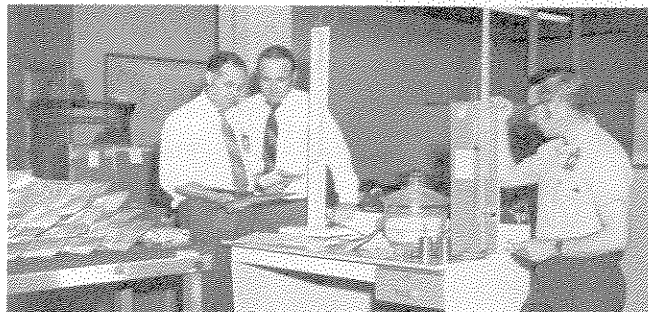
Photographers..... R. K. Sakamoto

H. O. Gilttenberg

Where The Action Is!

TRAFFIC CONTROL

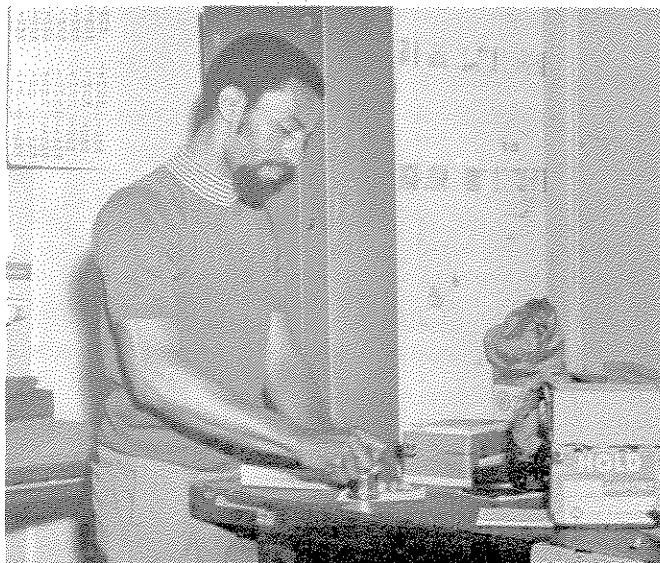
Traffic Control is under the direction of Material Director Fred Morley. Left to right: Supervisor James Clatterbuck, Pricha Ratana-karn and Harold LaPrad check the log sheets as the flow of material is received. Approximately 700 purchase orders are processed through receiving each week.



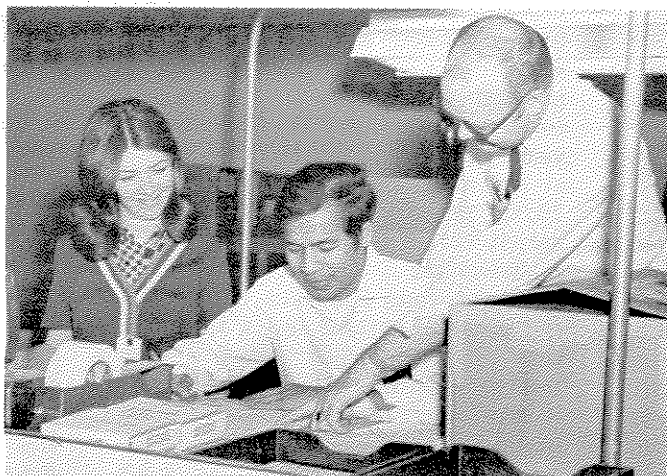
Traffic Control Supervisor James Clatterbuck, Group Leader Jim Fowler and Inspector Jim Propst check packing inspection level control chart for vacuum test and quick leaks. Military specifications require airtight packaging.



Shipper/Packer Assistant Martha DeHart, Lead Shipper/Packer Carl Seese, Clerk A. Mary Wilson and Shipper/Packer Herman Rudicille packing material to military specifications.



Shipper/Packer Assistant Arthur Stewart time-stamps the weigh bills and checks package before it is moved to the LOG station.



Receiving and Identification Clerks Nancy Brown, Pricha Ratana-karn and Group Leader Harold LaPrad identify material against the purchase order before it is moved to Incoming Inspection.

Ten Awarded Service Pins

The second 1971 quarterly pin luncheon will be held in the cafeteria in June and will honor ten employees who have reached fifteen and twenty years of service. One employee will receive a twenty-year pin, and nine achieve fifteen year status. Pins will be presented to them by their Department Heads.

TWENTY YEARS



Clemens H. Schmitt

FIFTEEN YEARS



Frank L. Brown



William A. Burke



Lillie L. Cabeen



Edward M. Connelly



Francis J. Drummond



Alma A. Fisher



John K. Hall



Ruby M. Holloway



Harry D. Vorhauer

Family Affairs...

John Kettlewell's step-son, William G. Beattie was commissioned a Second Lieutenant recently at Virginia Military Institute, Lexington, Virginia. He received a Bachelor's degree in English. Immediately following graduation, he reported for six weeks Army Reserve training and a two-year tour of active duty at Fort Sill, Oklahoma.

New Arrivals: A son to Senior Physicist John Solberg and Mrs. Solberg on April 27th; a second son on May 22nd to the Tim Palmers; and a daughter to the Vincent Serafino's on May 20th.

MEDI-LOG ...

Leroy Armstrong has returned to work following treatment in Fairfax Hospital.

Best wishes to retiree Larry Shaw (former Assistant to the Personnel Relations Manager) who is recuperating at the National Orthopedic Hospital. Larry suffered a stroke the latter part of April.

WHAT IT COSTS TO OWN A CAR

The American Automobile Association has published cost statistics on car operations that are not too alarming considering the increase in the prices of almost everything else.

The Labor Department reports consumer prices generally have increased 14% in the last two years while the cost of car operation climbed only 7 percent.

Using a national average, the average cost of owning and operating a 1971 standard size automobile in the medium price range comes to 15.5 cents per mile to drive 10,000 miles. Total cost for the year: \$1,550.

It is cheaper by the mile to drive a car 20,000 miles per year; then the costs drop to 10.4 cents per mile.

Even if the car never leaves the garage, the fixed costs (insurance, registration and depreciation) add up to \$3.08 per day.

And now that you've earned your vacation it will cost two persons a conservative \$46 a day to travel and see the country by automobile. That is \$15 a day for food; \$17 for lodging; \$4 for tips and \$9 for every 300 miles of travel, assuming you're getting 14 miles to the gallon.

READING IMPROVEMENT COURSE WELL RECEIVED

The reading improvement course recently offered by Melpar through use of a WETA-TV training program was well received by the 22 employees who completed it.

68% rated the class material as good to excellent and 73% thought the home study material was the same caliber.

91% of the students recommended the course be offered to other employees in the future while 82% felt the course helped them on their jobs.

Best results showed on the last two items of the survey:

100% said they felt the course would be of future help and 100% indicated their reading and comprehension skills improved during the course.

No schedule has been announced for the next TV presentation but Melpar plans to organize another class when the course is made available again.

Graduates were recognized in May at a luncheon where J. Pierce Chambers presented certificates of completion.

Going Up!

Advancement to higher positions was achieved by the following employees recently:

M. E. DUNCAN
Junior Engineering Assistant

A. L. RYMAN
Secretary

S. BRICKEY
Light Assembler First Class

R. E. MONTENA
Draftsman

R. D. TAYLOR
Principal Engineer

CHECK YOUR EXEMPTIONS

Due to quirks in the Tax Reform Act of 1969, many employees are not having enough federal income tax withheld from their paychecks. IRS warns that as a result they could wind up owing the government a large amount when they file returns for 1971.

According to IRS, taxpayers most likely to be underwithheld are working couples, employees who expect to earn more than \$11,500 this year and intend to claim the standard deduction or itemize deductions totaling less than 13% of single employees who expect to earn more than \$15,000 in 1971, and married employees who expect to earn \$25,000 or more and whose spouses are not employed.