

W. H. FUHR NAMED MELPAR FELLOW

William H. Fuhr, Manager of the Advanced Computer Laboratory, has been named to receive the Melpar Doctoral Fellowship for 1964-65. His selection was announced May 19 by Vice President and General Manager William C. Purple at a luncheon in the Falls Church plant for seven candidates who were considered for the award.

Competition for the fellowship was open to all Melpar employees holding a Master's degree in science or engineering.

Mr. Fuhr, who won out over a strong field of candidates, plans to study for his doctorate at George Washington University. His areas of concentration will be computers and computer-controlled systems, subjects directly related to the work of the laboratory he manages.

According to the terms of the fellowship, the recipient has his tuition, fees, books, and other expenses of doctoral study paid for by the Company and in addition receives a monthly stipend. Also, he may continue to work at Melpar and draw a salary proportionate to the amount of time he works weekly.

Mr. Fuhr received a B.S.E.E. in 1954 and an M.S.E.E. in 1957, both from

(Continued on Page 2)

\$15.8 Million in New Business Recorded in First Quarter

Melpar received \$15.8 million in new business during the first three months of 1964. This figure was reported by President Edward M. Bostick at the annual stockholders' meeting at Falls Church headquarters on May 1.

Diversification remains the keynote of the Company's research and engineering activities. Included in the new business were contracts for projects as varied as food chemistry studies, development of a means of detecting extraterrestrial life, and design and production of helicopter simulators.

Sales for the first quarter were \$12.3 million, compared with \$16.9 million in sales in the first quarter of 1963. Profits, however, rose from \$333,480 to \$376,572, or from 13 cents to 15 cents a share. Mr. Bostick predicted that Melpar would have a good year in 1964 "but perhaps not quite as high in sales and profits" as record 1963.

At the annual meeting the stockholders re-elected the seven-man Board of Directors consisting of Thomas Meloy, Chairman; Mr. Bostick; Lyle S. Garlock, Vice President, Eastern Air Lines; Edwin Hodge, Jr., President, Pittsburgh Forgings Co.; A. King McCord, President,

Westinghouse Air Brake Co.; Eric A. Walker, President, Pennsylvania State University; and Richard H. Wood, Vice President and General Counsel, Westinghouse Air Brake Co.

First Dividend Voted

Immediately following the stockholders' meeting, the Board of Directors held its regular annual meeting and voted to declare a 10 cents per share semiannual cash dividend. This is the first disbursement to shareholders in the Company's history. It is payable on June 30, 1964, to all shareholders of record as of June 4, 1964.

Melpar has 2,490,473 shares outstanding, of which Westinghouse Air Brake Co. owns about 90 per cent.

A Right to Be Proud

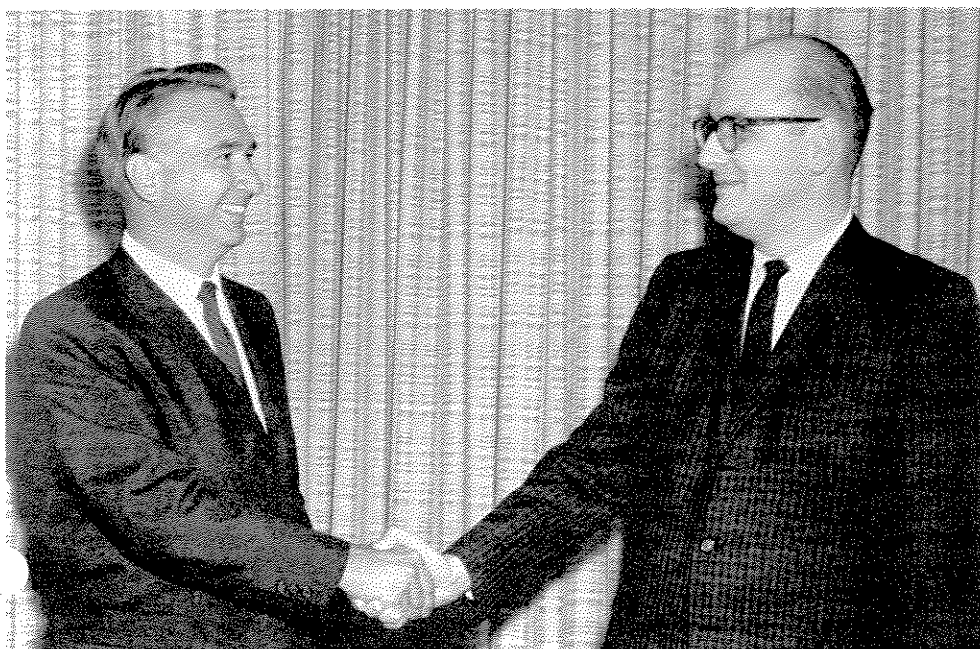
In the five-state Defense Contract Administration Services Region (Pilot Test), Melpar ranks first in dollar savings for Department of Defense fiscal year 1964, it was learned during a recent visit by a DOD Cost Reduction Program monitor.

Outranking all other contractors in our region, which includes Pennsylvania, Maryland, Virginia, Delaware and New Jersey, plus the District of Columbia, is an outstanding accomplishment. It reflects the participation of employees from every part of the Company in our Value Improvement Program. Those of you who have contributed your ideas should feel proud of your share in this vital aspect of our national defense program.

Continued effort by every employee is necessary if we are to maintain our top ranking. Send in your value improvement ideas now!

We are pleased to add the following

(Continued on Page 2)



William H. Fuhr, right, is congratulated by Vice President and General Manager William C. Purple on being awarded the Melpar Doctoral Fellowship for 1964-65.

SUPERVISORS' FORUM

Material used in this column reflects questions arising frequently in supervisory discussion panels held weekly. This month Larry Shaw, Assistant to the Personnel Manager, answers questions on vacation policy.

Q: Do part-time employees receive vacation credits?

A: No. Only full-time, permanent employees receive them.

Q: When are vacation credits granted?

A: Each January 1 and July 1.

Q: When does an employee receive his initial vacation credit?

A: On the January 1 or July 1 following his completion of six months' continuous service.

Q: How much is the initial credit?

A: Five days, plus one day for each full month of service over six months.

Q: What credit accrues after the initial credit?

A: On each credit date, five days accrue to exempt employees with under 10 years, and to nonexempt employees with under 11 years, of continuous service. Employees with longer service are granted credit in increased amounts up to 7½ days per credit date, depending upon total length of service.

Q: I plan a vacation during a period that includes a paid holiday. Will the holiday be charged against my vacation?

A: No. It will be charged only as a holiday.

Q: I am assigned to permanent night shift, for which I receive differential pay. Do I receive the differential during vacation?

A: Yes.

Q: Do I receive pay for accrued vacation upon termination of employment?

A: Yes. If employment ceases for any reason, you receive pay for accrued vacation. You receive such pay even if you are not yet eligible for initial credit, provided you have completed at least six months' service; in such case you receive five days' pay, plus one day's pay for each full month of service beyond six months.

Q: I now have accumulated the maximum vacation credit allowable for my length of service. Will I lose some of it if I do not take vacation before the next credit date? If so, why?

A: Yes. The company feels that in his own interest an employee should take a vacation periodically and enforces the "loss" feature to that end. However, if there are *cogent* work or personal reasons why a vacation should be delayed, your supervisor can recommend that the Personnel Manager make an exception up

Yes, We Have No Ananas

Pineapple plants, of all things, are piquing the interest of some of our Research Division scientists these days. Not the plain old plantation-variety *Ananas comosus* with which our fruit cup runneth over, but rare, exotic subtropical plants of the same family.

What sparked this interest was Mike Ingrisano's report that bromeliads, or plants of the pineapple family, can be forced to bloom months or even years ahead of time by treating them with rocket fuel. Mr. Ingrisano, Assistant to the Vice President, Engineering Services, has been growing bromeliads as a hobby for years. Some of our research people thought the effect of rocket fuel on plant life was worth looking into informally; so Mr. Ingrisano has supplied them with plants for experimentation.

Where a scientist's interest in bromeliads may lead is anybody's guess. According to Mr. Ingrisano, who is as intrigued with the science as with the art of cultivating these plants, bromeliads have nutritive, medicinal, and commercial values that man has barely begun to exploit.

Take, for example, just one of the substances that can be extracted from the plants: the enzyme called bromelain. Bromelain—no kidding—digests dead tissue, cleans teeth, improves cake flour,

to a reasonable limit.

Q: What is a reasonable limit?

A: That is determined by the Personnel Manager after evaluating the pertinent factors in a specific case.

A Right to Be Proud

(Continued from Page 1)

persons to the ranks of candidates for the Melpar Value Improvement of the Year award:

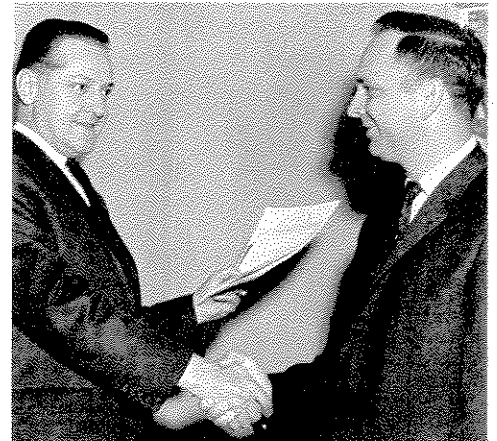
Hobart S. Arnold, Henrietta Baltimore, Vaughn N. Berry, Francis B. Bruso, Helen C. DeGenova, Larry F. Fox, Joseph C. Garcia, Frank L. Hickish, Jared T. Hunt, Melvin L. Hunt, Leonard M. Hurlocker, Richard J. Kincaid, Elizabeth Lam, Willard T. Lynch, Harry M. McClarren, Herman L. Michael, James W. Mills, Ernest Morris, Leland Mull, Emma Neville, J. Keith Newman, Donald O. Nicholls, Alan O. Plait, Celia G. Reedy, John L. Schwier, C. Richard Shenton, Ralph L. Thwaite, John W. Truslow, Dwight M. Wright.



Research Division secretary Betty Coughlan feigns nervousness over her minute-a-week job watering the plants. "This one looks carnivorous," she says. Mike Ingrisano reassures her and explains the proper approach. Bromeliads are beautiful, hardy, and disease resistant. The make wonderful house pets—er—plants. Photo by Glittenberg

speeds up the curding of cheese, tenderizes meat, digests the gelatin coat on film to facilitate the recovery of silver from scrap film, and chill-proofs beer. Furthermore, in conjunction with other substances in raw juice of the plant's fruit it can remove the pattern of fingerprints from your fingers, if that fits in with your plans (and if you don't mind having blue-black fingers for the rest of your life).

All this and beauty, too!



ALDERSON AWARDED PATENT. On March 31, the U. S. Patent Office issued patent #3,127,605 to William S. Alderson (right). Mr. Alderson, shown receiving a certificate of patent award from Charles B. Raybuck, Vice President, Engineering, is Technical Assistant to the Manager of the Vehicle Laboratory of the Aerospace Division. His invention relates to moving target indication radar system employing coherent integration of target signals in discrete velocity categories. It helps eliminate naturally occurring interference and ECM signals from the radar output, giving improved radar performance.

THE WHITE HOUSE
WASHINGTON

May 11, 1964

Dear Mr. Bostick:

I have recently reviewed the advances that have been made by Plans for Progress companies. Today the number of companies that have voluntarily agreed to help your Government carry out this essential policy has increased to 204, employing more than 7 million people.

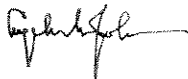
Although this program is directed at the highest executive level, both in your companies and in the Government, it must also be implemented in thousands of local communities -- and in thousands of local businesses.

It would be of great help to me, to Plans for Progress and to your nation if you could write each of your local managers explaining that equal employment opportunity can be achieved only through the operation of the free enterprise system at their level, and urging them as they continue to reinforce their own efforts, to commend the Plans for Progress idea to other employers, and to participate in community activities which seek to achieve this goal.

Although I know you have already covered these points in your organization, I would appreciate it if you would do so again. This message is very important, for there are many who need only the stimulation of your example to become convinced of the necessity of individual action on their part.

Again, let me extend my personal gratitude for all that you have done and are doing to make equal employment opportunity a reality in America.

Sincerely,

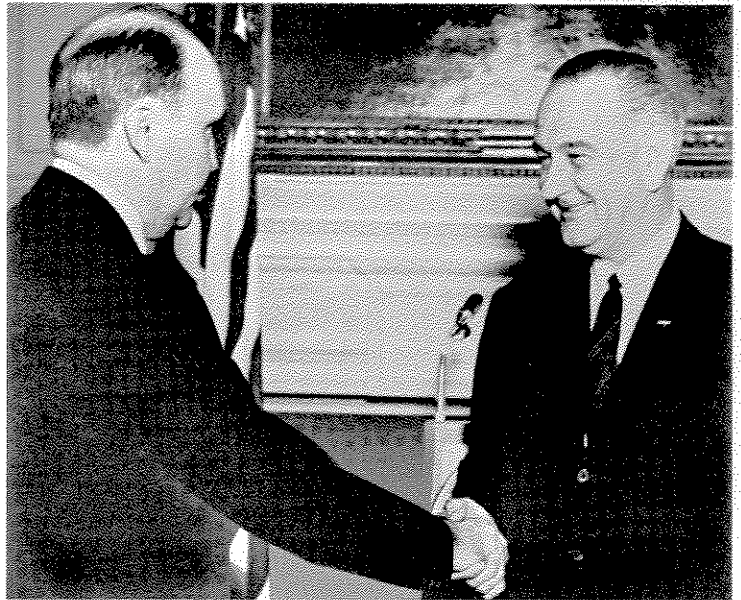


Mr. E. M. Bostick
President
Melpar, Inc.
3000 Arlington Boulevard
Falls Church, Virginia

Melpar Joins "Plans for Progress"

Melpar recently became one of the President's Plans for Progress companies. As such, it actively works to extend equal employment opportunity to all.

Melpar Executive Vice President Arthur C. Weid is shown below with President Lyndon B. Johnson at a meeting at the White House on April 9, a meeting at which Melpar and other major companies subscribed to the principles of the President's program. In the letter to Mr. Bostick reproduced at the left, President Johnson emphasizes the importance of the Plans for Progress program and the need for individual action.



Melpar Fellowship (Continued from Page 1)

Tulane University. He has also done graduate work at Texas Christian University and at George Washington University. While he was studying for his Master's, he held an instructorship at Tulane.

Shortly after receiving the M.S. degree, Mr. Fuhr joined Melpar's staff as an electrical engineer. He was promoted to senior electrical engineer in 1958, to project engineer in 1959, and to Manager of the Advanced Computer Laboratory in 1962. His assignments have been primarily in the areas of bionics, adaptive or "learning" systems, special-purpose computers, and computer-controlled systems.

Mr. Fuhr is a member of Tau Beta Pi, an honorary engineering society; the Association for Computing Machinery; the Louisiana Engineering Society; and the IEEE and its Professional Groups on

C'mon Out! See Nats Beat Yankees

JULY 10 IS MELPAR NIGHT AT D.C. STADIUM

Take yourself out to the ball game on July 10! That Friday night will be Melpar night at D.C. Stadium, and the Washington Senators will be playing the New York Yankees.

Melpar's name will be up in lights, on the Senators' Magic Message Board, and a salute to the Company as one of the

Engineering Management and Electrical Computers.

The Fuhrs live in North Springfield, Va. They have two children—Laura Leigh, almost two, and William Bryan, eight months. Mrs. Fuhr, the former Alison Davies, was an engineer at Melpar before her marriage.

Five Judge Science Fairs

Five Melpar employees recently served as judges at local school science fairs. M. Paul Coffee, Judy Gervinski, Franklin Papin and Dr. Jack Tiner helped judge the Fairfax-Prince William-Quantico Section of the Northern Virginia Science Fairs. Stephen E. Bush was a judge at the Alexandria Science Fair.

leading industrial organizations in the metropolitan area will be broadcast over the public address system.

Five hundred reserved seat tickets right behind home plate have been set aside for us. These tickets will be free to Melpar employees. The limit is two tickets to an employee. Distribution will be made by Melpar through a drawing, in the event more than 500 tickets are requested.

You can request one or two tickets for yourself by filling out the coupon below and sending it to BASEBALL, Personnel, Falls Church. Coupons must be received no later than June 10.

Name _____
Employee number _____
Location _____
Extension _____
Number of tickets requested ☐ 1 ☐ 2

Coupons must be received at Personnel, Falls Church, no later than June 10.

MELPAR-A-GRAFI

Published by MELPAR, Inc.

A Subsidiary of
Westinghouse Air Brake Co.

3000 Arlington Blvd. Falls Church, Va.
Editor M. R. Kiley, Ext. 2350

Service Pins Awarded to 15

Fifteen employees merited service pins in the March-April period.

Annah Rohr, shop foreman in the Manufacturing Division, marked her 15th anniversary with the Company and received a ruby-studded service pin.



Annah Rohr receives 15 year service pin from Vice President Schreiber.

Fourteen others were awarded 10-year pins. They are Benn C. Comstock, David C. Coulter, Barbara L. Hawley, Frieda M. Heuay, James C. Knox, Virginia E. Lowery, Lutie M. Maschauer, William E. Mitchell, Philip J. McCabe, Walter H. Rogers, Bruce L. Snyder, Thomas W. String, Carl W. Way, and Robert E. Welsh.

Pins were presented at a luncheon in the cafeteria of the Falls Church plant on April 15.

Gov. Barron Announces Contract Award to Melpar West Virginia Corp.

Melpar West Virginia Corp. has been awarded a \$223,000 contract by the U. S. Army Electronics Materiel Agency to build intercommunication control sets.

Announcement of the award was made by Governor William Wallace Barron of West Virginia at a meeting in his office on May 8.

William C. Purple, Vice President and General Manager of Melpar, Inc., and Vice President of Melpar West Virginia Corp., attended the meeting. Others present were Maj. Gen. Frank M. Moorman, Commanding General of the Electronics Command at Fort Monmouth, and Senators Jennings Randolph and Robert Byrd of West Virginia.

Work under the contract will be assigned to both the Fairmont and Beckley facilities of Melpar West Virginia Corp.

GOING UP!

Spring tonic to the people named below was the news that they had moved up a rung on the ladder. Congratulations to each of you!

Wilmot Brown, Supervisor, Quality Engineering; Barry A. Corson, Senior Methods Engineer; and Pierce B. Day, Senior Electrical Engineer.

Talcott Eliason, Superintendent, Quality Engineering; Terry E. Falkenhagen, Engineering Assistant; and John T. Griffith, Supervisor, Quality Engineering.

Francis W. Moseley, Senior Engineering Assistant; Ronald V. Nystrom, Junior Electrical Engineer; and Jeremiah E. Price, Design Engineer.

Edward L. Shull, Engineering Assistant, and William H. Welsh, Supervisor, Quality Engineering.

Meet Art Lamb

In early 1959 Art Lamb's company began to represent Melpar in the area of advertising and public relations. Since that time he has become a familiar figure in the corridors of Melpar, always smiling and cheerful as he moves through the building.

Formerly a radio and television star and known to many of us for his enjoy-



Art Lamb

able programs, Art has concerned himself with Company activities (you will remember him as Master of Ceremonies at our Christmas party). The flag ad last Fourth of July, which won Melpar the Freedoms Foundation Award was the product of his organization.

Art Lamb has been in advertising and public relations for more than 17 years. When his business activities haven't kept him running, his civic activities have. Right now he's running for the office of

USNTDC AWARDS COMPANY \$6 MILLION CONTRACT FOR HELICOPTER TRAINERS

Melpar, Inc., has been awarded a \$6,038,462 contract for the design and production of four weapon system trainers for the U. S. Naval Training Device Center. The new trainers will simulate the SH-3A helicopter and its tactical systems. Three of the trainers are scheduled for the U. S. Navy; the fourth is to be purchased by the Japanese government.

Primary mission of the SH-3A is to locate, track, and destroy enemy submarines. For this purpose it is equipped with sonar equipment and appropriate weapons. The simulator being designed by Melpar will be capable of training the entire tactical team.

The pilot will be able to "fly" the simulator through the full flight spectrum, experiencing the same reactions he would normally encounter in flying the aircraft. Provision will be made for a tactical instructor to simulate and maneuver ships and various types of marine life. As he does so, sonar signals will be developed for the simulated targets and fed into the detection equipment.

The SH-3A trainer, called Device 2F64A, will be the fourth helicopter simulator developed by Melpar. The others are the HSS-2 and CH-46A simulators and a general-purpose trainer capable of simulating either a single-rotor or a tandem-rotor helicopter.

Like the general-purpose trainer, Device 2F64A will use a digital computer to solve, in real time, the complex equations describing the flight and the tactical systems of the helicopter.

The three trainers for the U. S. Navy will each be housed in two semitrailer vans. In one van, 35 feet long, will be housed a simulated cockpit, an instructor's station, and a simulated sonar operator's zone. The other van, 30 feet long, will contain the digital computer and special simulation equipment. The trainer for the Japanese government is to be installed in a building.

The trainers will be designed and manufactured at the Melpar Shirley Highway facility.

Councilman, City of Fairfax, in the June 9 election.

Mr. Lamb lives at 506 Broadview Drive in Country Club Hills, Fairfax, with his wife Rita and their four children: Jay, 15; Jill, 11; Melody, 8; and Joshua, 4.