

melpar-a-graph

MELPAR, INC.

A SUBSIDIARY OF WESTINGHOUSE AIR BRAKE COMPANY

Volume 12, No. 7

October 1967

3RD QUARTER CONTRACTS EXCEED 10 MILLION

Marketing Vice President S. L. Dance has announced that Melpar received new contracts and change orders to existing contracts totaling more than ten million dollars during the third quarter of 1967. September contracts in excess of 1.8 million dollars were received. Included were contracts from Wright Patterson Air Force Base, Ogden Air Materiel Area, Commonwealth of Kentucky, National Institutes of Health, NASA Goddard Space Flight Center, Autonetics, Systems Consultants, Inc., and Fort Meade.

FOUR PATENTS ISSUED TO MELPAR

The U.S. Patent Office has awarded Melpar four new patents. Senior Electrical Engineer William P. Asten was the inventor of "Light Chopper." Patent 3,344,821. This invention relates to an electromagnetic device that will deflect or interrupt a light beam in an optical system thereby providing a modulation of the light. The device will operate on direct current beyond its resonant frequency with very low energizing power.

Electrical Engineer James C. Spencer was the inventor of "Photoelectric Shield Including a Dielectric Sheet Sandwiched Between Two Metal Sheets." Patent 3,345,537. This invention relates to a shield for reducing the dark current of photomultiplier tubes by preventing electro-static discharge between the envelope of the tube and surrounding equipment. The important feature of the shield is that it makes possible the operation of multiplier tubes under ambient conditions, rather than under refrigeration at a maximum temperature of zero degrees centigrade.

"Gunshot Detector System", Patent

3,341,810, relates to a system which can distinguish between projectile and muzzle blasts and locate the general position of gunfire. The device could be used as a warning device for low performance aircraft under attack from ground based small arms, enabling aircraft personnel to be alerted to the presence and direction of gunfire in order to take either evasive or retaliatory action.

Patent 3,341,850 relates to a system for detecting, tracking and predicting the paths of long range missiles. The important feature of the invention is the detecting of missiles while the missiles are located within a cloud of chaff (or in the presence of other decoys) and tracking them, ignoring targets which do not have the characteristics of a true missile.

AIR FORCE PRAISES MELPAR BUILT TRAINER

The commander of an Air Force Rescue and Recovery Squadron has high praise for a trainer developed for the Naval Training Device Center and in use at Pensacola, Florida.

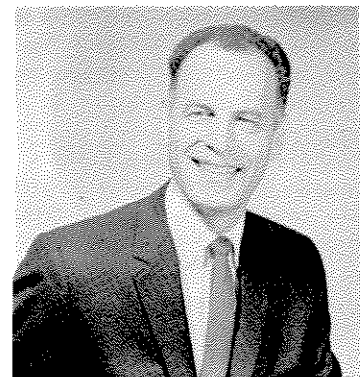
The trainer is Device 2B18, the basic helicopter instrument trainer, designed and built for the Navy by Melpar's Simulation and Training Center.

Earlier this summer Air Force pilots from the 48th Aerospace Rescue and Recovery Squadron, based at Eglin AFB, Florida, received six and a half hours of flight time in the 2B18 trainers at Ellyson Field.

The time in the 2B18 was part of the training for the Air Force pilots who were learning to fly HH-53B's, the Air Force's new instrument equipped helicopters.

Upon completion of the training Lt. Col. James M. Dixon in a letter to

IRA APTER HEADS MANUFACTURING



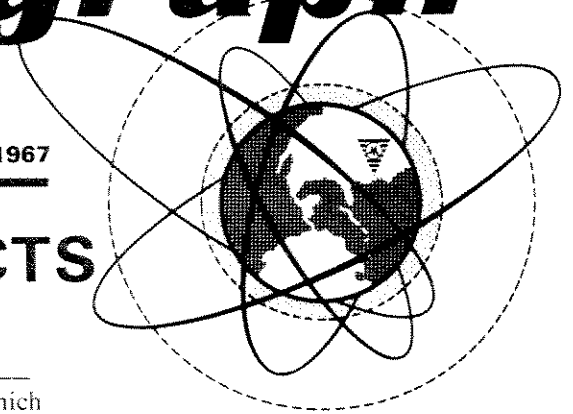
IRA APTER

IRA APTER has been appointed Manager of the newly organized Manufacturing Department reporting to R. E. Miller, Vice President for Engineering. In his new capacity, Mr. Apter will have cognizance over operation of the Shop and Assembly areas, Quality Control, and Industrial Engineering.

Mr. Apter joined Melpar in 1952 as a Mechanical Engineer. He subsequently became Project Engineer, Section Head, Head of Administrative Staff, Program Manager, and Engineering Staff Manager.

He received his BSME from Clarkson College of Technology. Ira, his wife Rita, and their two children, Mark and Susan reside in Fairfax.

officials at Ellyson expressed his appreciation for the "outstanding efforts expended to provide instrument training for pilots of this organization. The quality of the instruction received was considered to be superb, and very comprehensive."



SPEAKER HEADS BIO-ENGINEERING LABORATORY

David M. Speaker has been appointed Manager of the Bio-Engineering Laboratory, of the Bio-Sciences Center, reporting to Dr. J. L. Pentecost, Associate Director of Research.

Dave joined Melpar in 1964 as a Senior Scientist, then he became a Branch Supervisor. He came to Melpar from Has-kins Laboratories in New York City where he was a Research Engineer. He was edu-



David M. Speaker

cated at the University of Pennsylvania, where he received his B.S. degree in Electrical Engineering and continued graduate study in Physiology.

The Bio-Engineering Laboratory is primarily concerned with artificial organ research, on three contracts with the National Institutes of Health, to develop materials compatible with blood over long periods of time. This work will ultimately lead to replacement of diseased portions of the human circulatory system.

The Lab's largest program is that of evaluating the physiological effects of implanted blood pumps. These pumps do not replace the heart, but are designed to reduce the mechanical load on the left ventricle when the heart muscle is weakened by coronary disease.

The third program has as its goal the development of a thin film battery which can be implanted within the chest. It would supply the necessary energy to operate implanted artificial hearts and would be recharged by induction through the chest wall.

WOULD YOU BELIEVE...

... Each breath brings \$4,196 more debt? The federal government is going into debt at the rate of \$40 million a day figured on the basis of a five-day work week. This averages \$5 million per hour for every eight-hour day.

Thus, if we normally inhale and exhale once every three seconds, every time we breathe the federal deficit increases \$4,162.

Hold your breath!



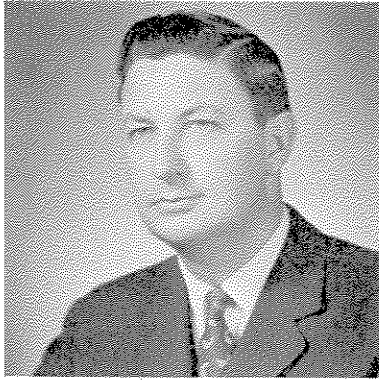
MELPAR TRAINER ON DISPLAY . . . Melpar's A7A simulator was the featured attraction at the Pentagon last week when the Naval Training Device Center display was exhibited. Pictured here, Air Force Maj. Gen. R. W. Strong gets checked out by Navy Chief Petty Officer Clifford F. Tully. Chief Tully and a number of NTDC personnel were on hand for the week-long exhibit featuring a number of naval aviation training devices.



PERT CLASS COMPLETED . . . Pictured here is the group of Melpar employees who recently completed a PERT training class. Conducted by William Vivori of Engineering, the course covered Theory and Operation of PERT Charts and PERT Programming. All sixteen employees who registered for the seminar completed the course and were presented certificates.

Left to right, front row: William Vivori, Weston Goode, John Dubuc, Sam Ferguson, R. S. Boreen, W. Breads. Second row: E. Balchunas, C. Sisk, R. E. Kent, T. V. Slominski. (H. A. Campbell, E. M. Connolly, J. R. Hausfeld, C. E. Isbell, C. M. Childress and P. R. Ratcliff were absent when the picture was taken.)

Photo by Glittenburg



Gene R. Schaefer

TRANSIT-HEET^(R) CENTER MANAGER. . . J.P. Chambers, Vice President and Acting General Manager has announced the appointment of **GENE R. SCHAEFER** as Manager of the Transit-Heet Center, replacing Keith Bunnell who moves to the position of Vice President and Treasurer of Westinghouse Air Brake Company. Mr. Schaefer will continue to act as Marketing Manager for Transit-Heet and retains his primary responsibility as Director, WABCO Mass Transit Operations.

Alcohol and Coffee

Poets have scribbled odes in praise of coffee, and musicians have written rhapsodies, cantatas and even a comic opera in honor of the black brew.

Napoleon Bonaparte, as a young officer known only for his skill at chess, was forced to hock his hat as security for unpaid coffee bills, and William Harvey, the great 16th century physician, called coffee the source of happiness and wit.

Today Americans think so much of the brew that each year we consume about 175 billion cups. Many of us still have almost as many mistaken notions about it as the early physicians who hailed coffee as a cure for smallpox, consumption, scurvy and dropsy.

Not least of these mistaken notions is that coffee will overcome the effects of alcohol.

The National Safety Council advises drivers to remember that only time and body processes will accomplish this end. The Council says that a full stomach may tend to slow the rate at which alcohol is absorbed into the blood stream, but doesn't keep alcohol from reaching the brain. It only delays it.

Reprinted from the National Safety Council Bulletin.

DE PASQUALE EDITS PERSONNEL DIGESTS

Beginning with the September-October issue of "Personnel Administration" the Journal of the Society for Personnel Administration, A. B. DePASQUALE becomes editor of the "Personnel Digests" column of the publication.

The digests consist of excerpts from other well known personnel publications. The current issue covers such subjects as "Personnel Departments GO EDP" from PERSONNEL, "Engineer Shortage to Continue" from EXECUTIVE MANAGEMENT WEEK, and "New Employee Orientation" from SUPERVISORY MANAGEMENT.

Mr. DePasquale is Manager of Melpar's Employee Relations Department.

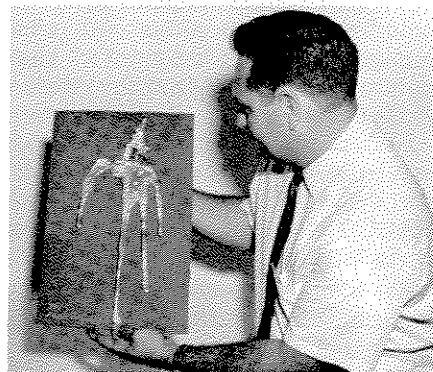
GOING UP!

September and October brought promotions to the following Melpar employees, listed here with their new classifications:

A. N. WINFREE to Electrical Engineer, J. W. BLOSSOM to FR Lab Manager, J. J. BREEN to Senior Design Engineer, W. L. MAHOOD and B. W. DAHL to Principal Engineer, R. R. BECK to Senior Design Engineer, C. A. TOMASINO to Senior Technical Writer, and R. E. BATES to Design Engineer.

W. C. STRIBLING advanced to Project Staff Engineer, T. C. LANKE-NAU to Biologist, W. J. SMITH to Senior Draftsman B, and R. S. THUMA to Chemist.

Congratulations to all.



SOLDER POT OVERFLOWS. . . Bob Cathell displays the results of a solder pot overflow. The bizarre figure has been named "The Mountaineer" and is now displayed on the wall in the Assembly area.

Photo by Salmon

JOB WELL DONE

Roy R. Spangler of the Field Service Department has received a commendation from the Commanding Officer of Helicopter Training Squadron Eight of Ellyson Field, Pensacola, Fla.

The letter stated: "I wish to extend to you my sincere appreciation for the outstanding efforts expended by you as Melpar Service Representative for this Command's Device 2B18. Since your arrival at Helicopter Training Squadron Eight in October 1966, your assistance in the maintenance of the 2B18 and in the training of Squadron personnel has been most gratifying. With your able assistance, we have met the synthetic instrument training schedule.

Once again, my sincere thanks for services rendered during your ten months at Helicopter Training Squadron Eight." Signed, R. Q. Wallace, Commanding Officer.

ONE-MAN WRAP-AROUND LIFE RAFT



Melpar's Materials Laboratory, under the managership of Henry Hahn, has been awarded a contract by the Bendix Instruments and Life Support Division for the design study of a life raft pod which will be part of an airman's survival equipment.

The design study calls for an inflatable one-man wrap-around life raft which will deploy automatically during parachute descent at a previously determined altitude, normally 10,000 feet.

When all design requirements are met, this will permit the airman to land in the water, regardless of wave conditions, in his raft, dry and protected from the elements until he is rescued.

ASPET EXPRESSES GRATITUDE TO MELPAR

In a recent letter from Dr. Walter M. Booker, chairman of the local committee for the 1967 fall meeting of the American Society for Pharmacology and Experimental Therapeutics (ASPET), sponsored by Howard University, gratitude was expressed to Melpar for its contribution toward the success of the meeting.

Melpar furnished the Society with a comprehensive 96 page scientific program of the proceedings of the meeting. The layout and design work was by GEORGE SCHWALD and RAY MENDELSON was responsible for the coordination of the publication.

Dr. Booker's letter stated: "Please allow me to thank you sincerely for the part you played in making our recent meeting of the American Society for Pharmacology and Experimental Therapeutics (ASPET) an overwhelming success. I am certain that without your help, our meeting would have been much less memorable to the members and friends of the Society."

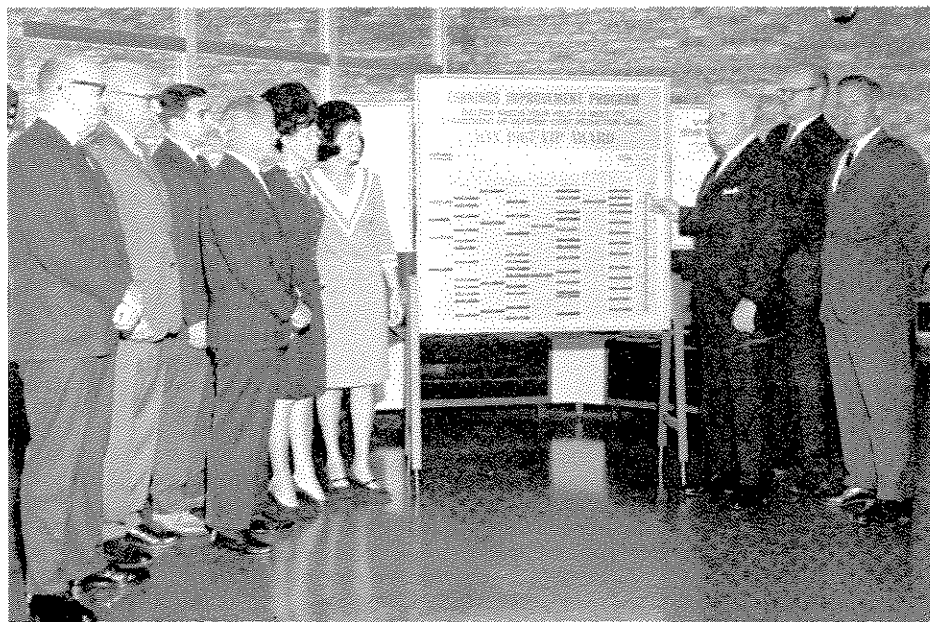
Melpar's great and matchless contribution was greatly appreciated by us here at Howard and we shall be eternally grateful to you for your generosity."

WABCO WINS OSCAR-OF-INDUSTRY

Westinghouse Air Brake Company (WABCO) has been selected to receive a first place award for having issued the best stockholder annual report of the machinery industry in the 27th Annual Report Survey sponsored by FINANCIAL WORLD, the nation's oldest business and financial weekly. The bronze Oscar-of-Industry trophy symbolic of this achievement was presented to A. King McCord, Chairman of the Board, on October 24th at a banquet in the Grand Ballroom of the New York Hilton Hotel.

Governor James A. Rhodes of Ohio, whose philosophy of business-like government has gained him nationwide prominence, delivered the principal address.

Approximately 5,000 annual reports were reviewed in 95 classifications this year in the annual event to promote the improvement of shareowner financial statements.



EARNINGS IMPROVEMENT PROGRAM . . . Melpar's President J. V. Wilcox points to the thermometer on Melpar's Earnings Improvement Display which indicates that we have already reached \$650,000 toward our 1967 goal of \$750,000-BUT WE STILL NEED YOUR HELP!

Pictured with Mr. Wilcox, are recent VIP Honor Roll employees. (Left to right) J. G. Ross, F. Hickisch, E. L. Sanford, J. J. Adams, H. Powers, S. Dee, Mr. Wilcox, S. E. Bush and J. V. Symanoskie.

WABCO NAMES PUBLIC RELATIONS MANAGER

Westinghouse Air Brake Company (WABCO) has announced the appointment of Donald M. Deer to the Newly created position of Manager of Public Relations.

In his new position, Mr. Deer will supervise all public relations activities, including corporate, financial, community, employee and product communications. He will report to Merton M. York, Vice President of Marketing.

For the past three years, Mr. Deer has been Corporate Director of Marketing Communications for WABCO at the company's headquarters in Pittsburgh.

HEALTH BOND REFERENDUM

The Fairfax County Hospital and Health Center Commission has requested and the County Board of Supervisors has recommended a \$32.5 million bond issue to provide funds for health facilities for Fairfax County over the next seven years.

The Master Plan will provide the following hospital care facilities: 2 additional 250 bed hospitals capable of expansion to 500 beds; a 50 bed neuro-psychiatric in-patient facility attached to the present Fairfax Hospital; an 85 bed extended care facility for convalescence and rehabilitation following acute hospital care; a specialized treatment center; enlargement of Fairfax Hospital's out-patient and emergency treatment facilities; expansion of the hospital's power plant; Mental Health clinics, and Fairfax House, a residential rehabilitation center for mildly disturbed boys, 14 to 18 years of age.

The referendum will be voted on Election Day, November 7th, Exercise your right to vote.

Published by
MELPAR, Inc.

A Subsidiary of
Westinghouse Air Brake Co.

7700 Arlington Blvd. Falls Church, Va.
Editor Jane K. Smith, Ext. 2706