

melpar-a-graph

MELPAR, INC.

A SUBSIDIARY OF WESTINGHOUSE AIR BRAKE COMPANY

Volume 12, No. 4

June, 1967

Melpar Wins One Million Dollar Diamond Ordnance Fuze Contract

Melpar has received notices of competitive awards from the U. S. Army Materiel Command's Harry Diamond Ordnance Laboratory totaling approximately one million dollars.

The work, under the direction of C. F. Parker, Manager of the Electronic Warfare Laboratory, will in-

volve the Army's XM 1140 missile fuze.

Under provisions of the three notices of awards received, Melpar will produce a quantity of the XM 1140 fuzes, perform reliability and evaluation tests of the equipment, and manufacture fuze acceptance testers.

Melpar Simulator on Display

An operating helicopter instrument trainer manufactured by Melpar was publicly exhibited for the first time when the American Helicopter Society, Inc., convened its 23rd national meeting at the Sheraton Park Hotel, Washington, D. C., on May 8th.

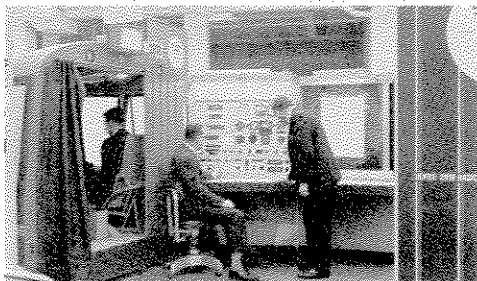
The device known as the 2B18, is an instrument trainer for the Bell UH1E helicopter. The equipment displayed consisted of a cockpit, an instructor's console, a digital computer, a ground track recorder and a power equipment rack. It is used to reach instrument and partial panel flight, and routine and emergency

helicopter procedures, as well as communications and navigational techniques.

Melpar secretary **Elizabeth Robey** was on hand during the three day affair and served as "flight" hostess for demonstration rides.

Mr. R. A. Castle was the Project Engineer responsible for the design and manufacture of the device.

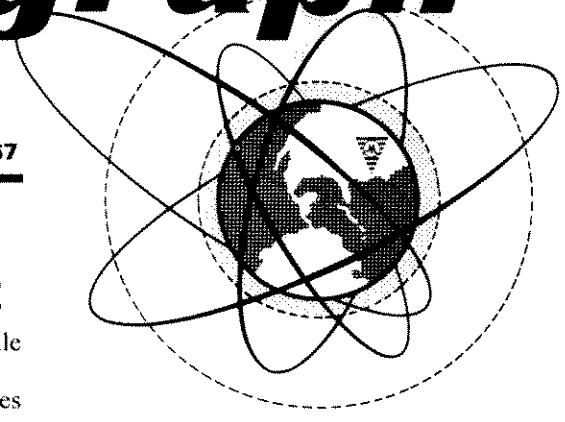
Melpar is the only firm in the United States currently manufacturing helicopter instrument trainers. They are presently in use by the Naval Training Device Center at Orlando, Florida.



J. R. Toier flies the simulator, while H. R. Gary and S. H. Cotton man the instructor's console.
Photos by Salmon



R. A. Castle looks on as a visitor registers in the guest book and "flight hostess" Elizabeth Robey logs guest on the flight log.



F. J. HURLEY MANAGER, TRANSPORTATION SYSTEMS CENTER



Mr. F. J. Hurley

Mr. F. J. Hurley has been appointed Manager of the Transportation Systems Center.

Mr. Hurley joined Melpar in January 1964 as a Senior Operations Research Analyst. Later he became Head of Technical Staff and in March of 1966, became Laboratory Manager of the Technical Advisory Group in the Transportation Systems Center.

Before coming to Melpar, he was Chief of the Chemical Biological Branch in the Research and Development Directorate of the Army Materiel Command.

Prior to this time, he served as Chief of the Procurement Branch in the Office of the Chief of Research and Development. He was responsible for the formulation and application of procurement policies and procedures to research and development contracting.

(See HURLEY, Page 4)

BULLETS, BUTTONS, BAYONETS OR BEER CANS?

Two Melpar Senior Draftsmen, **Arthur Keene** and **John Cicotello**, are addicted to an interesting and unusual hobby. They search for civil war mementos with a metal detector around the known battlefield areas.

The detectors weigh about 3 1/2 pounds and can be purchased new for about \$100, you can build your own, as John did, or they may be purchased at surplus stores second hand.

Armed with a garden trowel, a bag lunch, a snake bite kit, a canteen, and their detectors, John and Art roam the areas of Wilderness and Spotsylvania Courthouse Battlefields in Spotsylvania County, Harpers Ferry, the 2nd Battle of Bull Run area of Manassas, Mine Run Battlefield in the vicinity of Orange Court House, Fairfax Station and Chancellorsville.

Each wears earphones connected to their detector, a long handled ground sweeper disk powered by transistor batteries which produces a humming noise on the earphones. When any metal object is detected, the hum increases in volume and the hunt begins in earnest.



John and Art demonstrate their metal detectors.

Sometimes the results are frustrating and disappointing as old beer cans, a bit of aluminum foil, or just plain metal junk produce the same sound clue as a fancy brass belt buckle from a Confederate soldiers uniform. It is interesting to note, according to Art and John that Confederate relics are generally more valuable than those left by the Union troops.

Happy are the hunters when the mementos pictured are discovered. Buttons, bayonets, bullets, breast plates, unexploded shells, cannon balls, epaulets, money, and hat insignias have all been found by the two intrepid dirt scrapers.

EXPO 67

"EXPO 67" being held in Montreal from April 28 to October 27, 1967 is expected to attract many Americans. It should be of special interest to us due to **WABCO's** well publicized involvement.

If you are planning such a trip and are going to drive, you should be aware of an important Canadian requirement concerning the operating of an automobile. In Canada you must have a minimum limit of \$35,000/ \$35,000 Bodily Injury, and \$35,000 Property Damage, except in British Columbia where the minimum limit is \$50,000. As proof that you have adequate limits you need a **Canadian Non-Resident Inter-Province Motor Vehicle Liability Insurance Card** and should carry it with you at all times. Without it your car may be impounded in the event of an accident. Your insurance agent can assist you with this.



Mementos of the civil war unearthed from local area battlefields by John Cicotello and Arthur Keene.
Photos by Salmon

GOING UP!

Congratulations to those who won promotions in April. Their new titles are now:

J. C. Fisk - Jr. Electrical Engineer
W. J. Patterson - Principal Physicist
J. N. Goeser - Principal Engineer
G. M. Watson - Staff Secretary A
F. R. Long - F. R. Senior Designer
R. S. Thuma - Research Assistant
J. W. Glover - Lab Manager
Anna Whorton - Chief Clerk
Gloria Dukes - Executive Secretary
D. H. Oglesby - Senior Buyer
G. F. Pascal - Design Engineer

Earnings

Improvement

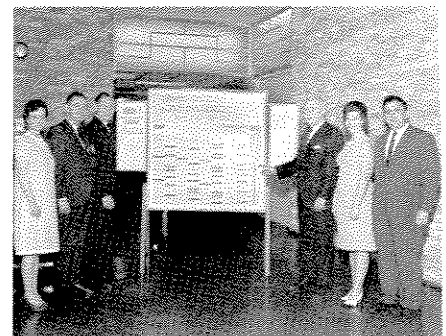
Program Displays

Have you noticed the new Earnings Improvement displays located in various places throughout our plants? These displays include the names of all employees contributing to our Earnings Improvement Program. If your name is not yet included, submit your Suggestion or Report of Savings now and help your organization meet their goal. Send the original and one copy of your VIP (Form GO-340) to **A. M. Ross**, Cost Reduction Administrator, in the Falls Church Plant. If you need any assistance in completing the form, don't hesitate to call upon Mr. Ross or your organizational representative.

Organization	Savings To Date	Organizational Goal
Operations	\$114,759	\$200,000
Personnel	*\$51,598	51,000
Reliability & Quality		
Assurance	37,822	75,000
Marketing	314	20,000
Finance & Accounting	499	15,000
Engineering	9,689	25,000
Research	21,148	50,000

*Goal for year exceeded - new goal is \$100,000.

As noted above, the Personnel Department has already exceeded its goal, with more than 30% of its employees participating.



Mr. Jay V. Wilcox poses with the VIP Honor Roll employees for the month of April. The VIP Honor Roll consists of the names of employees whose Suggestions or Reports of Savings are accepted during that particular month. The above employees include: (from left to right) M. Muth (Personnel), H. G. Goare (Personnel), R. S. Boreen (Engineering), J. V. Wilcox, K. Cooper (Personnel), A. B. DePasquale (Personnel).
Photo by Salmon

ON THE DIAS...

John D. Morton, Manager of the Meteorological Research Laboratory of the Chemistry and Life Sciences Research Center, was a speaker at the Jefferson High School Science and Society program held on April 26 & 27, on the Problems of Pollution.

Mr. Morton presented a paper on air pollution from the Meteorological viewpoint, and following the presentation, led a discussion group.

He described how the natural atmospheric processes of dilution and self-cleansing had easily disposed of primitive man's air pollutants which are being increasingly broadened by the vastly greater emissions of urban and industrial life. Even with normal dilution, conditions are becoming less tolerable, and acute crises could develop in unfavorable states of atmospheric stagnation.

The meteorologist can help in four ways; research for better understanding of the process of dilution and atmospheric reaction; advise on the planning of new construction; forecasting of high Atmospheric Pollution Potential; and developing active countermeasures to prevent or dispel air stagnation.

One of the highest signs of acceptance by the scientific community is to be invited to give a paper at the Gordon Research Conferences.

Dr. Gordon C. Blanchard, Supervisor of the Microbiology Branch of the Life Sciences Laboratory has been accorded that honor.

This years conference on Microbiological Deterioration will be held July 24 to July 28, 1967 at the Tilton School, Tilton, New Hampshire. Dr. Blanchard's paper will be entitled "Biological Corrosion in Aerobic Environments".

COVALESKI BECOMES A "HUNDRED THOUSAND MILER"

Mr. Steve Covalski, Manager of the Field Service Department was recently named a member of the Hundred Thousand Milers and given membership in the Red Carpet Club by United Air Lines.

Steve's recent air travels as Field Service Manager have taken him to military installations in the United States, England, Germany, Turkey, Libya, Phillipine Islands, and Japan.

Twenty-Three Mark Melpar Service Years

Twenty-three employees will be honored at the Service Pin Luncheon on June 21st. Two employees will be making their twentieth year of service, five their fifteenth, and sixteen will receive their ten year pins. The service pin recipients are pictured here.

20 YEARS SERVICE

Photos by Sakamoto



R. H. Appel



T. W. Nelson

15 YEARS SERVICE



I. Apter



R. H. Hronik



K. C. Streeter



P. H. Terry



T. J. Tracy

10 YEARS SERVICE



R. J. Bazan



F. A. Behrens



D. L. Brown



W. H. Fuhr



J. R. Hausfeld



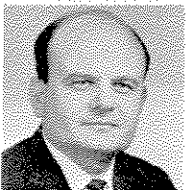
C. E. Isbell



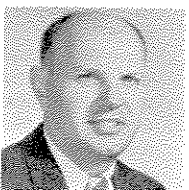
V. J. Kaneski



R. W. Lenert



J. M. Marcev



A. Matisans



R. J. Matyas



F. C. Menage, Jr.



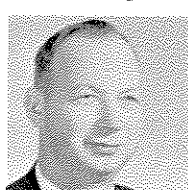
G. F. Morgan



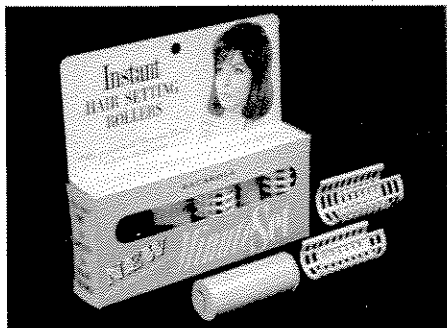
B. J. Shires



J. C. Spencer



J. E. Stone, Jr.



NEW PRODUCT USES TRANSIT-HEET* ... Presently on sale in retail stores as well as through mail order houses, are the new Minute Set Instant Hair Setting Rollers. The compound of this new product was developed by Dr. Maria Telkes of Melpar's Thermodynamics and Thermal Control Laboratory.

Dr. Telkes, in collaboration with Charles Delong, President of Baca Industries, designed the plastic rollers containing the patented TRANSIT-HEET component, which releases the heat necessary to "set" the hair. The rollers can be used over and over again and can be adjusted to a tight or loose curl.

TRANSIT-HEET's application in hair rollers is a good example of a military-defense item turned commercial.

* Registered trademark of Melpar.

Photo by Glittenburg

Melpar Awarded RF-101 Flight Simulator Contract

Melpar has received a \$227,000 contract to design and install a modification kit for the RF-101A flight simulator (MB-35) at Shaw Air Force Base, S. C.

The kit will supplement existing simulation of airborne electronic navigation by including tactical air navigation (TACAN), instrument landing system (ILS), and marker beacon training. Delivery is planned in January.

Engineering design work will be coordinated within the Fixed Wing Laboratory of the Simulation and Training Department under the direction of T. Alnutt.

WHAT'S YOUR PREFERENCE?

If Melpar adds another holiday, what day should it be?

Mark your choice in the space below and send it to your MELPAR-a-graph Editor.

My choice of another holiday would be:

Published by
MELPAR, Inc.

A Subsidiary of
Westinghouse Air Brake Co.

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

Melpar Receives Congratulations From NTDC

Mr. Jay V. Wilcox, President, has received a letter from the Naval Training Device Center, Orlando, Florida, congratulating Melpar on the Weapon System Trainers recently delivered. Here is the commendation letter:

Dear Mr. Wilcox:

The A7A Weapon System Trainers, Units #1 and #2, have been accepted by the government at NAS Cecil Field and NAS Lemore, respectively. The delivery of these units to the Fleet has been timely, providing the Fleet with highly effective training equipment to fill urgent requirements. The trainer design reflects the most modern technology in simulation engineering. The reliability of these trainers has been much higher than that experienced on any previous WST's.

The short time available for manufacture, delivery, and installation required a major contractor effort at all stages through the program and required intense management attention to insure success.

Melpar A7A project personnel are to be commended for their outstanding dedication to the task of meeting the established goals and for their success in working as team members with other project team members outside the Melpar organization. Without the fine cooperation and timely interchange of information between team members, the project never could have been successful.

Please extend my sincere congratulations and hearty "Well Done" to Melpar team members whose contributions made this highly successful program possible.

Yours sincerely,

J. K. Sloatman, Jr.
Capt., USN
Commanding Officer &
Director

April Contracts Exceed \$1.2 Million

Vice President and Acting General Manager, J. Pierce Chambers announced that April bookings exceeded one million two hundred thousand dollars, in new contracts and change orders.

This figure does not include the Harry Diamond Ordnance fuze contract mentioned on page one of the Melpar-a-graph which was received in early May.

April contracts were received from Naval Air Systems Command, Wright Patterson Air Force Base, the Commonwealth of Pennsylvania, NASA Goddard and TCA.

WABCO AUTHORIZES STOCK ISSUANCE

Shareholders of Westinghouse Air Brake Company (WABCO) have approved a resolution to amend the articles of the corporation authorizing the issuance of up to 500,000 shares of cumulative preference stock.

Under the provisions of the resolution, the preference stock can be sold, in whole or in part, for cash or used when advantageous for desirable acquisitions. The form and terms of such an issuance would be determined by the Directors at the time of issuance. The Company has no present plan or commitment to issue such preference stock.

A. King McCord, WABCO Chairman, commented, "this form of security was made available as another step forward, preparing WABCO for future growth opportunities".

Hurley

(Continued from Page 1)

Mr. Hurley received a Bachelor of Science degree from the Massachusetts Institute of Technology. Later he received a Masters in Business Administration from the Harvard Graduate School. He is also a graduate of the U.S. Army Command and General Staff College and the Armed Forces Staff College.

Fred and his wife Mary reside in Fairfax. They have five children, twins, Freddy and Andrea, 7, Denise, 11, Alicia, 13 and Paul, 15.