

MELPAR-A-GRAPH

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Field Service Becomes Fourth Division

New Special Products Department Formed To Market Industry Items

Melpar has announced the establishment of the Special Products Department to apply the Company's technology and experience to the development and production of a line of products to be made available to the military, prime contractors for military business and to commercial organizations.

Mr. E. H. Bradley has been appointed manager of the new department, reporting to Mr. A. C. Weid, Vice President.

As a result of its experience in electronic research and development, Melpar has developed and produced many items or services which have wide applications throughout the electronic industry. These items and services will be offered to the industry through the Special Products Department.

The Company feels that the establishment of this department will make it possible for military contractors and subcontractors to procure developed and proven equipment, materials and services at an appreciable savings in cost.

The Special Products Department will have responsibility for the development, production and sale of these products. In keeping with the philosophy of most economical utilization of Melpar's facilities, this department will draw heavily upon services from the existing Applied Science, Engineering, Production and Field Service Divisions.

Melpar employees can contribute to the selection of products for sale by submitting ideas for new products to the Manager of the Special Products Department. Each idea will be evaluated and screened for suitability. Following a market survey and product analysis, a Product Planning Committee, consisting of five regular members and others as required, will select products for inclusion in the product line.

Regular members of the Committee are: President T. Meloy, Executive Vice President E. M. Bostick, Vice President A. C. Weid, Vice President (Research and Engineering) C. B. Raybuck and Manager E. H. Bradley.

At the time of this release, Melpar is preparing to market six products. These include five materials developed in the Physical Sciences Laboratory. They are: **Melpak®**, a line of resins including epoxy and polyester types which have wide applications in the field of circuit encapsulation; **Melcoat**, a silicone rubber dispersion for use in dip coating circuit components including vacuum tubes; **Melvar**, a low temperature curing fungicidal silicone varnish for use as an insulating coating for printed circuit boards; **Melfoam**, a line of high temperature foams including inorganic and organic types which have frequent microwave applications; and **Mel-ink**, a non-smudge industrial ink for marking and labeling printed circuit boards.

In addition to these materials, Melpar—through the Special Products Department—is providing printed circuit layout and fabrication services to the industry. During the last five years, these facilities at Falls Church and Arlington have been developed and expanded until today Melpar is able to fabricate custom printed circuit boards of exceptional quality, greater than that required by MIL-STD-275A.

By using the 1:1 printed circuit layout process, which was announced in a previous issue of the Melpar-a-graph, Melpar can offer an appreciable cost savings to customers in the preparation of the required printed circuit art work. Other products are currently being investigated and evaluated for possible addition to the line.

Melpar is launching into a new and challenging field of activity through the Special Products Department. Each employee can have a part in its growth through his suggestions and support.

H. Riley Named Division Manager

Establishment of Melpar's fourth division, the Field Service Division, and the appointment of Mr. Hugh W. Riley as Division Manager was announced by Executive Vice President and General Manager E. M. Bostick on November 5.

Mr. J. O. Dankmyer, former Project Engineer in charge of Equipment Support, was named Assistant to the Manager by Mr. Riley on November 9.



H. W. RILEY

The new division, with its main offices in the Shirley plant, will be dedicated to product servicing and installation of Melpar built equipment at field locations throughout the world.

According to Mr. Bostick, the Field Service Division will initially perform the following functions: supervision of Field Service Engineers; training of Field Service Engineers; operation of the Field Service Spare Parts Depot and coordination of repairs.

Melpar Field Engineers are presently stationed with Melpar equipment at key strategic locations on several continents.

Mr. Riley, a former Corvey vice president, has been Director of Operations Analysis at Melpar since 1957.

Shipping Facilities Move

Melpar's Shipping, Receiving, Transportation and Incoming Inspection facilities were moved from the lower level of the Falls Church plant into new quarters at the Leesburg Pike #2 plant on November 6.

Materials and equipment—excepting raw materials, test equipment, overhead and other designated equipment—formerly received and inspected at the Falls Church plant will now be processed at the Leesburg Pike location.



PROPERTY TRANSFER . . . Effective January 1, 1960, the Air Force Plant Office at Melpar will gain property administration of approximately 45 Melpar contracts with the Army and Navy. Representatives of those two armed forces and the Richmond Procurement District met last month with the Air Force representatives at Melpar to make arrangements for the transfer of all government property at the Company to the Air Force. The transfer is a result of a Department of Defense directive authorizing "Single Property Administration." Left to right, the representatives are—front row: Paul Vaughtner, Chief of Industrial Property Division of the Richmond Air Procurement District; Capt. D. H. Strube, Chief of the Melpar Plant Office; Robert Swank, Chief of the Industrial Property Branch at the Melpar office. Second row: Harold Turtle, U. S. Army Signal Supply Agency-Philadelphia; Ward Hicks, AF QCR at the Melpar office; Thomas Foley, Industrial Property Officer, Melpar Office; S. Menard and E. H. Harman, representing the Inspector of Navy Material-Baltimore.

Photo by Norton

Cole Guest Speaks At Joint IRE Meet

Mr. Ralph I. Cole, Melpar Manager of Project Planning, was guest speaker at a joint meeting of the Rome-Utica (N.Y.) Section of the IRE's chapter of the Professional Group on Engineering Management held in Oriskany, N. Y., recently.

About 100 members of the two groups heard Mr. Cole speak on "Management and the Engineer."

A technical director of the Rome Air Development Center from 1950-52, Mr. Cole served as Chairman of the Rome-Utica Section in 1951.

Ceramics Report Given At Annual Society Meet

Dr. Paul E. Ritt, Physical Sciences Laboratory Manager, and Physicist L. K. Eliason recently presented a report on "High Temperature Physical and Electrical Property Measurements on Ceramics" at the Twelfth Annual Pacific Coast Regional Meeting of the American Ceramic Society, Seattle, Washington.

This joint report covered a comprehensive program for measuring the physical and electrical properties of materials at temperatures up to 2500 degrees Fahrenheit.

Two Company Engineers Give Symposium Papers

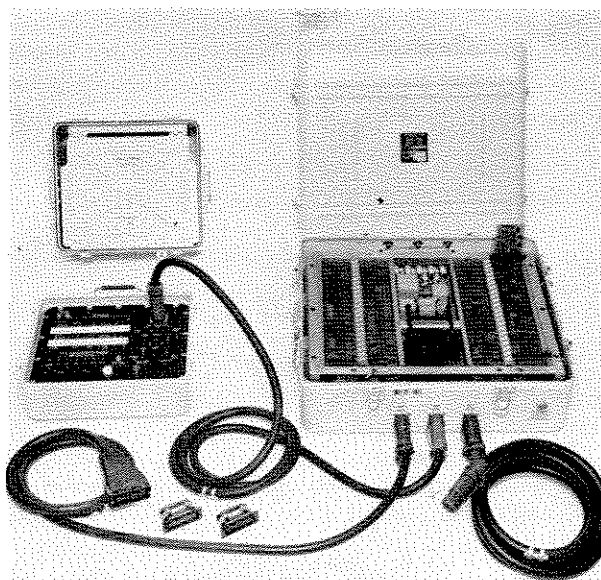
Two engineers from the Company's Antenna and Radiation Systems Engineering section presented papers at the Ninth Annual Symposium on USAF Research and Development Antennas held at the University of Illinois from October 12-16.

Project Engineer W. G. Scott delivered a paper on "Antennas for the GPERF System." The paper was co-authored by Scott and Section Head W. O. Puro.

Senior Engineer P. E. Taylor gave a paper entitled "Antennas for the AN/ALQ-27 System." This paper was co-authored by Taylor, Project Engineer C. W. Morrow and H. H. Schmidt of the Sperry Gyroscope Company.

Portable GO, NO GO Tester Delivered

Melpar's Ground Support Equipment Laboratory recently delivered two completely transistorized Test Sets for the Bomber Recording System (TS, BRS) to Convair for ultimate delivery to the Air Force.



Portable

GO, NO GO Tester

For Bomber Recording System

The test sets, called GO, NO-GO Testers, consist of two portable packages designed to perform an independent check of the B-58 Bomber Recording System. Malfunctions are easily isolated in the system by the use of the GO, NO-GO indicators.

Proper operation of the Bomber Recording System's more than 3000 components can be verified in approximately 15 minutes by using the Test Set.

Six additional TS, BRS units will be delivered to Convair and the Air Force. One of the test sets was recently demonstrated on a B-58 Weapons System for Air Force and Convair representatives at Fort Worth, Texas.

Winter Registration Start for December 8

Registration for Capitol Radio Engineering Institute's Winter quarter in-plant classes will be held on December 8. Classes are scheduled to begin soon after registration.

CREI's Winter quarter will be highlighted by a transistor course. The other courses to be offered are Basic Electronics I, II and III.

The registration schedule is: Falls Church—main conference room—from 9-10 AM; Bailey's Crossroads, Columbia Pike, Leesburg Pike and Hardin Street—at LP #6 conference room—from 10:30-11:30 AM; Shirley—#1 conference room—from 1-2 PM; Arlington and Alexandria—Arlington #7 conference room—from 3-4 PM.

For further information on courses and registration call extension 2181.

More Long Holidays

Melpar employees will be able to enjoy two 3 day weekend holidays during Christmas season. Christmas, December 25, falls on Friday and we are off that day, plus Saturday and Sunday. The following Friday, January 1, is New Year's Day and another Melpar holiday. We are scheduled to begin our first workday in the new year on January 4, 1960.

West Germans Tour Falls Church Plant

Three members of West Germany's Navy and Defense Ministry toured Melpar's Falls Church plant on November 23.

The men are in this country on a U. S. Navy sponsored visit for the purpose of indoctrination in U. S. electronic countermeasures techniques, equipment and systems.

They are scheduled to assist later in the establishment of a coordinated ECM program within the West German Navy.

The group included Captain H. F. Meckel, Chief of Communications Section—Federal Ministry of Defense; Dr. H. Schellhoss, Director of Electronics Warfare Research—Federal Ministry of Defense; and Lieutenant W. Bock, Electronics Countermeasures Officer—Federal Ministry of Defense, Navy Staff.

They were escorted through the Falls Church facilities by members of the Company's Engineering Services Department.

'Have Information — Will Travel'

Engineering Services Department Responsible for Customer Liaison

"Awareness" is the key word in Melpar's Engineering Services Department, the Company's "have information — will travel" group.

Charged with the responsibility of maintaining close technical liaison with Melpar's customers and potential customers, the Department must maintain current knowledge of all scientific advancements being undertaken within the Company and to be able to discuss them with a customer on short notice.

In order to maintain close cooperation with the many different governmental and industrial organizations that comprise our customer market, it is necessary for many members of the 23-man Engineering Services team to travel well over 100,000 miles per year, mostly by air, according to the Department's Director, J. Pierce Chambers.

Mr. Chambers states that the Engineering Services Representatives are able to keep Melpar customers aware of the Company's facilities and capabilities by direct and immediate contact. At the same time, they are able to ascertain expeditiously customer requirements—information they pass on to top management.

Although somewhat a traveling group, the Department maintains offices at the

Falls Church plant and has Representatives stationed at various points across the country. Representatives W. T. Williams, R. C. Davis, E. T. Trace, J. Graham and F. F. Percy are presently located at Rome, N. Y., Red Bank, N. J., Dayton, Ohio, Boston, Mass., and Tucson, Ariz., respectively. These men insure rapid service to customers in the respective areas.

Senior Engineering Services Representative E. L. Becker supervises the Department's personnel who maintain liaison with the Air Force. Senior Representative S. M. Benford is charged with the supervision of Army and Navy liaison.

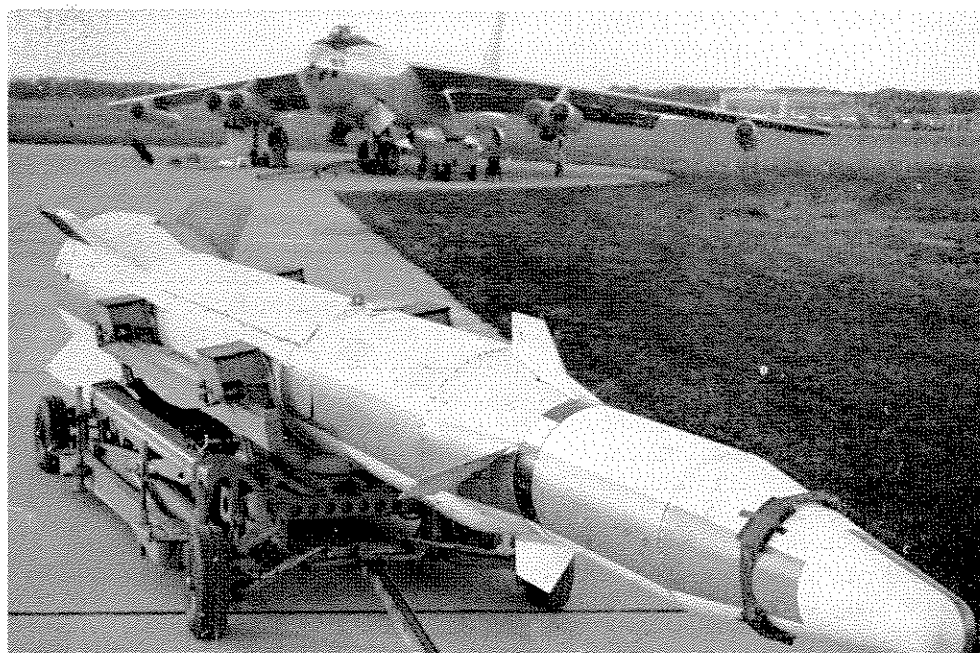
Messrs. G. O. Kurtz and E. H. Pierce act as the Department's planning and programming consultants and R. I. Cole, former Technical Director of the Rome Air Development Center, is Manager of Military Project Planning.

In addition to its liaison activities, the Department also participates with other industrial groups at symposiums, briefings, seminars, etc., and offers assistance in the preparation of technical literature and brochures for Melpar's internal operation groups.

Another prime responsibility of the Department is to review and forward Company technical progress reports.



WEST GERMAN GUESTS . . . Melpar was host to a group of West German Naval and Defense Ministry Representatives on November 23. Posing above with their Department of Defense escort, Marine Corps Major B. G. Lansford (left) and Melpar's Vice President for Research and Engineering C. B. Raybuck (second from right) they are: Captain H. F. Meckel (second from left), Dr. H. Schellhoss (center) and Lieutenant W. Bock (right).
Photo by Sakamoto



AIR FORCE'S . . . two stage research and development Air-to-Surface Missile (119B) equipped with a Melpar built AN/DPN-48 Beacon in the second stage. Photo shows the missile prior to loading aboard a B-47 (background) for test flight.

Melpar Beacon on Air Force Missile Tracked 520 Seconds During Test

A U. S. Air Force research and development, rocket powered Air-to-Surface Missile (119B) equipped with a modified, high power Melpar AN/DPN-48 Beacon, was tracked by the National Aeronautics and Space Administration's Wallops Island, Va., station for 520 seconds when the missile was fired from a B-47 bomber into the vicinity of the earth-orbiting "Paddlewheel" satellite on October 13.

The 37-foot missile was launched in an attempt to obtain trajectory data on rocket powered missiles launched from aircraft and to test the guidance system as well as to demonstrate the feasibility of firing ballistic missiles from aircraft.

The Melpar beacon on the second stage of the missile was reportedly tracked by the NASA group from 80 seconds after launch until 600 seconds after launch. The AN/DPN-48 in effect "broadcasts" electronic impulses that ground radar units are able to lock on and track easily.

The two-stage missile was fired over the Atlantic Missile Range near Cape Canaveral and the second stage fell into the ocean approximately 1,000 miles off the Nova Scotia coast.

NAVAL OFFICERS VISIT

Forty members of the Naval Reserve Officers School in Alexandria, Va., toured Melpar's Falls Church plant on November 23.

Quick Thinking Pays Off

Melpar Guard Braves Deadly Fumes To Save Three Trapped Employees

A Melpar Security Guard on duty at the Columbia Pike plant braved deadly fumes to help rescue three Company employees after they had been overcome by carbon monoxide fumes on Thanksgiving night.

The Guard, R. C. McComas, who was stationed at CP #1, locked his post and went to CP #4 where he dragged and helped the three men to safety.

Instant response to prior safety training caused Guard C. L. Waters to make two telephone calls that may have possibly spelled the difference between life and death for the three.

Captain of the Guards W. Rogers was at home about 9:15 P.M. when Waters telephoned he felt ill and needed a replacement.

A few minutes later Waters again called Capt. Rogers and reported he had found Guard K. Springer unconscious but was unable to get him out of the building. Captain Rogers ordered Waters to vacate the building and to notify guards in the adjoining building. He then called the Fairfax Fireboard to rush an ambulance

Four Graduate Courses Scheduled for Spring

Four graduate, in-plant engineering courses will be offered Melpar employees by the University of Virginia at the Bailey's Crossroads Extension during the 1960 Spring semester.

Registration for the classes will be held on January 12.

Courses to be given are: Theory of Functions of a Complex Variable; Radiation Field Theory; Transistor Electronics; and Introduction to Matrix and Tensor Analysis.

Melpar Section Head Gordon Hefron will teach the Introduction to Matrix and Tensor Analysis course and Mr. Edward Braun will teach Radiation Field Theory and Theory of Functions of a Complex Variable.

Employees interested in initiating a program of graduate studies with U. Va. must contact the Education Representative (X-2181) prior to the registration date.

Registration for George Washington University's Spring in-plant classes will be held on January 25.

to the scene.

Waters, in what was probably his last conscious act, called McComas. When McComas arrived he found Waters unable to move and helped him out of the building.

McComas returned to the building and carried Springer to the front where three rescue squads had arrived and were administering oxygen to Waters.

McComas again returned to the building and found Ventilation Equipment Mechanic C. L. Fisher in the Maintenance Room. McComas helped him to the front of the building. Firemen donned gas masks and searched the rest of the building.

The three affected employees were taken to Arlington Hospital where they were treated and released around 11:30 P.M.

The accident was attributed to an unreplaced access panel on an air conditioning ventilator.

The three men were the only occupants of the building due to the Thanksgiving holiday.