MELPAR-A-GRAPH

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EMPLOYEES AND FAMILIES . . . are shown entering the main entrance to the new Falls Church Annex during the open house held on Sunday, October 2. Approximately 4000 guests attended the affair. Turn to page three for interior view of the building. Photo by Glittenburg

Many Employees and Families Attend Falls Church Open House

Approximately 4000 guests — Melpar employees and their families—took a general tour of the Falls Church facilities during the open house held on Sunday, October 2.

The occasion marked the formal opening of Melpar's new three story, $2.4 million Annex, built to house office and service groups.

A pre-arranged tour led the visitors through the Annex's main entrance—where they were presented ballpoint pens—into the unoccupied first and second floors and on to a large exhibit room on the third floor. The tour continued into the main building and on into the cafeteria where refreshments were available.

Several of the Company's groups displayed special exhibits for the occasion. Among others, the GDHE Lab displayed its model of the Finder system; the Antenna Lab presented a working demonstration of a transmitting antenna; the Radiation Systems Lab display components used in countermeasures and radiation equipment; the Physical Sciences Lab exhibited its work in the molecular electronics field and electro luminescent panels; Production exhibited a few of the various items built by the Division; and the Special Products Department displayed its line of new products.

Moore Elected to IRE Post

Holmes S. Moore, Assistant to the Manager of the Special Products Department, was recently elected Vice Chairman of the Professional Group on Engineering Management of the IRE's Washington, D. C. Section.

Moves Into FC Annex To Be Completed Soon

Melpar's service groups began moving into the new Falls Church Annex on September 15. These moves are scheduled for completion during October, according to General Services Director R. B. Marsh.

General Services has been moving the various groups at night and on Saturday in an effort to maintain Company operations with as little disturbance as possible. Mr. Marsh states that the moves have been going well.

The third floor was the first to be completed by the contractors and, consequently, the first to be occupied. The second and first floors will be occupied in October, as soon as the construction and move schedules permit.

Groups now occupying the third floor are: General Services, Accounts Payable, Contract Administration, Library, Legal Staff, Payroll, Field Services, Timekeeping, Air Force, Advanced Development Staff and the Chief Engineer's office.

Groups scheduled to occupy the second and first floors are: Central Files, Security, Publications, Purchasing, Personnel, Mail Room, Stationery Stores, Company Consultant's office, Spares Provisioning, System Analysis Groups and the Detection and Identification Laboratory.

By moving these groups into the Annex, the Company will have more consolidated space available in the main building for engineering operations.

ECM Contract Awarded Radiation Systems Lab

The Navy's Bureau of Ships has awarded Melpar's Radiation Systems Laboratory a $397,236 contract to design and construct an Electronic Countermeasures Receiver and Indicator—plus repair parts, technical manuals, and manufacturing and installation drawings.

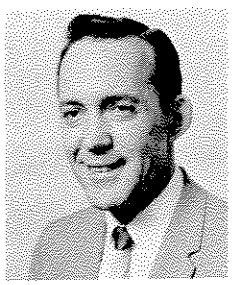
Project Engineer D. Lee is in charge of the project.

FORT HUACHUCA BOUND . . . This large panel display being inspected by Ralph I. Cole (left) and G. O. Kurtz, members of the Engineering Services Directorate, is headed for Fort Hauchuca, Arizona to illustrate Melpar's overall activities and capabilities at a National Press Show and a meeting of the Electronic Warfare Coordination Committee. At the Press Show—October 19-20—Melpar, in conjunction with the Avionics Department of Army Electronic Proving Grounds, will display the Terminal Area Mobile Control Unit and the Heli-hut which was developed as part of our present contract with AEPG. Over 75 members of the national press and trade magazines are expected to attend the show. The Electronic Warfare Coordination Committee will attract representatives of the Army, Navy, Air Force, Marines and research and development contractors to the Tuscon area on October 25-27. Tht display was designed and built by Melpar's Illustrating group. Photo by Norton

R. G. Murrell Named Q. C. Director

The appointment of Mr. Robert G. Murrell to Director of Quality Control, effective September 19, was announced by Executive Vice President and General Manager E. M. Bostick.

Mr. Murrell is a 1950 Electrical Engineering graduate of the University of Kansas and has completed graduate work at George Washington University. He served in the U. S. Army Signal Corps Engineering Laboratories, Fort Monmouth, N. J. from 1950 until December 1952.



R. G. Murrell

Since joining Melpar in 1953, Mr. Murrell has acquired an extensive background in Quality Control operations. He obtained excellent experience in developing test procedures and was assigned responsibility for the Quality Control phase of the Convair and MSQ programs.

In July 1954 he was promoted to Quality Control Supervisor for the Convair Engineering Section, a duty he performed until he was selected Manager of Quality Control for the Engineering Division in February 1959.

Mr. Murrell is a member of Kappa Eta Kappa, Tau Beta Pi, Sigma Tau, the Institute of Radio Engineers and the American Institute of Electrical Engineers.

He's been going around like that ever since he got his secret clearance!

Melpar Bionics Work Featured in Magazine

A "Report on Bionics" in the September 14 issue of Electronic Design magazine recounts work being done by Melpar and Robert J. Lee (Member of the System Analysis Groups) in this new field of electronics.

Bionics—as defined by Electronic Design—is the science of applying knowledge of biology and biological techniques to the design of electronic devices and equipment. The magazine's article describes the Artron, a turtle-like machine with generalized learning ability that was designed by Mr. Lee.

New Products Corner

(This is the seventh in our series of reports on new products being marketed by Melpar's Special Products Department.)

MELPAK® Casting Resins

Melpar's new line of easy-to-mix MELPAK Casting Resins offer optimum efficiency for both general purpose and for miniature casting, component potting and assembly encapsulation.

MELPAK E-200, an epoxy-based general purpose casting resin, provides excellent adhesion to most plastics, metals and ceramics. It has low shinkage (resulting in crack-free hardening), excellent electrical properties and is readily machinable.

MELPAK P-200 is a polyester based resin that is well suited for small castings, potting electronic components and encapsulating miniature assemblies. This medium viscosity unfllled polyster resin pours easily—filling either cracks, voids or contours.

Both MELPAK resins may be cured at room temperature—an invaluable factor in production type applications or where external heat sources are not available.

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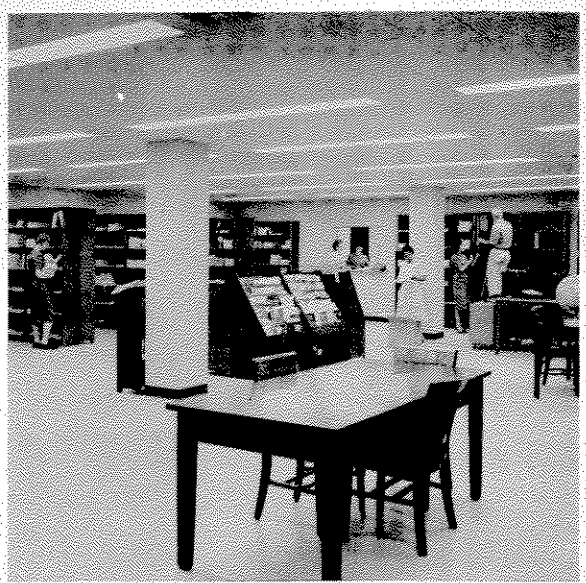
New Annex Interior Design is Modern and Functional

Melpar's new Falls Church Annex is a blend of functional and modern design with special emphasis on good lighting and spaciousness, as these photos by Richard Sakamoto and Gordon Norton illustrate.

This bright office area (above) on the third floor of the Annex is the new home of the Accounts Payable section of Accounting. Windows and light colored tile add extra brightness to the area.

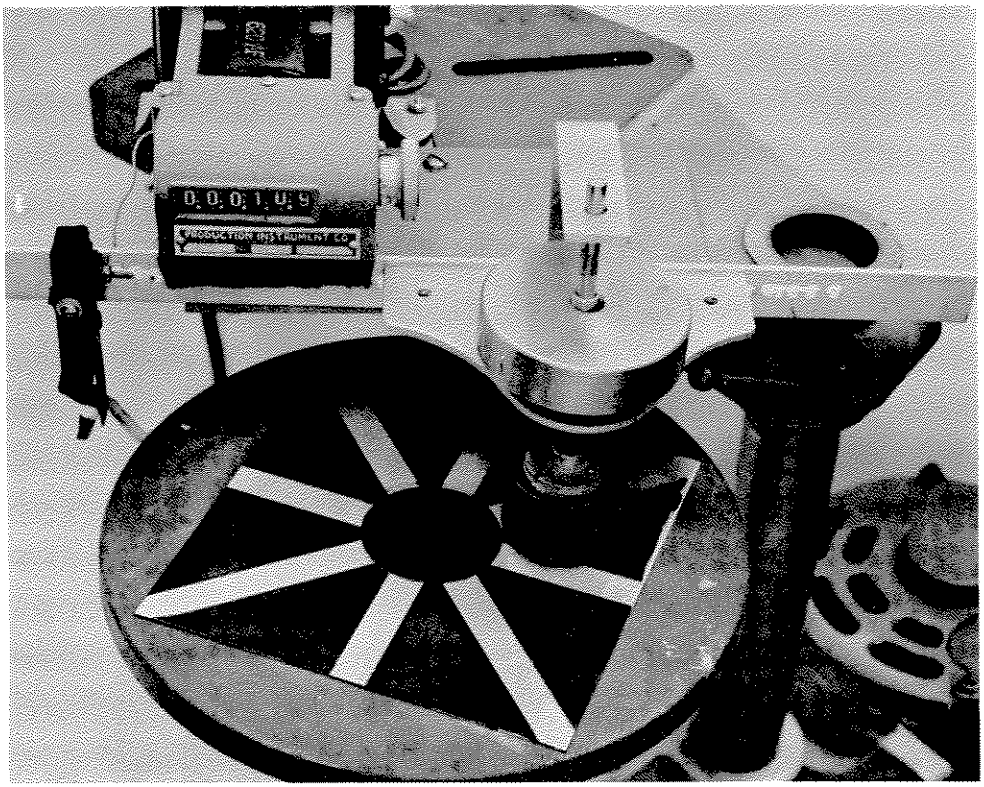


Ramps (above) running from floor to floor make access between Annex and main building extremely easy. This photo was taken from the Annex's second floor, looking up the ramp to the third floor.

Modern stairway leading from main lobby to Personnel is constructed of architectural concrete with each step independently suspended by solid aluminum rods. This photo was taken during the recent open house.

Recessed hallway walls (below) give way to a host of vending machines that offer employees refreshments and tobaccos. The recessed machines allow employees to use them without blocking hallway traffic.

New Engineering Library quarters on the third floor of the Annex have separate facilities for the classified reports section (window) and the general library area. Library members are shown filling last remaining shelves to complete move.



PERMANENT INK SOLVENT RESISTANCE TESTER . . . the testing rig shown above—called the only one of its type in existance—was designed by Physicist J. Smit and Chemical Engineer R. W. Smith of the Physical Sciences Laboratory's Chemical Engineering Branch to objectively test the relative solvent resistance of so-called permanent marking inks. The rig is equipped with an automatic counter to record the number of rotations that a specific ink's test panel will withstand while being subjected to a constant pressure, solvent saturated abrader. The striped test panel was designed to give edges to which the abrasive action can be applied. With its special test panels, the rig allows accurate determinations of the initial and the absolute failure points of any particular compound. The test rig is also helping the Laboratory determine the extent adverse storage affects the characteristics of ink catalysts and resins. It is believed that this testing device may be adaptable to paints and varnishes. Photo by Sakamoto

Halpern to Teach Course

Senior Engineer Peter H. Halpern of Melpar's Ground Data Handling Equipment Laboratory has been selected by Gonzaga High School (Washington, D. C.) to teach a course in Boolean Algebra and Computer Logic during the 1960-61 school year.

The course will be offered to the school's senior honor students.

Are you sure their names are Smith and Jones?

100 Employees Enroll For In-Plant Courses

An even 100 employees have enrolled in Melpar's in-plant courses for the Fall semester. Fifteen employees are engaged in graduate studies offered by the University of Virginia and 85 are taking undergraduate courses sponsored by George Washington University.

As of September 22, a total of 151 employees have submitted applications for fall semester reimbursement under the Melpar Tuition Reimbursement plan with more applications expected.

Melpar Photo on Magazine

A Melpar photograph taken by Senior Photographer Richard Sakamoto was featured on the cover of the September issue of Missiles and Rockets magazine. The photo is used to illustrate a story in the magazine dealing with Melpar's work in plasma modulation studies. The same photo appeared in the August issue of the MELPAR-a-graph.

Antenna Lab Completes ERD-2 Antenna Complex

Melpar's Antenna Laboratory recently completed the ERD-2 antenna complex—consisting of five antenna systems—for a "Radio Signal Attenuation Experiment" to be conducted by the Air Force's Cambridge Research Laboratories.

The Melpar designed and built antenna complex will be mounted in the payload carrier of the HETS 609-A Re-entry Vehicle and will be used to help determine telemetry frequencies for future range instrumentation and degradation of radio signals due to shock-ionized flow fields around hypersonic vehicles.

In a recent letter to Lab Principal Engineer D. Alstadter, Mr. Walter Rotman—Chief of the Cambridge Research Laboratories Missile Antenna Section—stated "We are very pleased with the antenna assembly and feel that it exceeds our expectations in good design and compactness."

GOING UP!

Promotions include P. W. Cooper to Staff Consultant, R. H. Rosenbaum to Supervisor of Computing Services and V. T. Townsend to Physicist. R. W. Chittenden advanced to Senior Engineer, S. Haitsuka rose to Senior Chemist and J. M. Malone was promoted to Senior Test Engineer.

D. C. Whysong advanced to Test Engineer, G. R. Gentile was promoted to Senior Clerk Typist and H. H. Bassford rose to Staff Secretary. P. L. Montague advanced to Heavy Assembler First Class, W. E. Harvey rose to Junior Engineering Assistant and B. L. Purks was promoted to Senior Clerk Typist.

B. L. Nelson, M. L. Draudt and M. L. Maines advanced to Secretary. L. L. Bynum, J. O. Thomason and L. E. Lehto rose to Wire Technician First Class.

W. B. Swift was promoted to Draftsman, G. Messer advanced to Photo Lab Technician and J. R. Piedmont rose to Junior Chemical Engineer. C. B. Tester, F. A. Leoni and T. N. Bevans advanced to Junior Engineer.

J. E. Barbagallo was promoted to Machinist First Class, H. W. Turner rose to Sheet Metal Man First Class and W. T. Wolfe advanced to Shipper and Packer.

G. A. Hartung was promoted to Light Assembler First Class, H. Louderback rose to Light Assembly First Class Task Leader, and J. J. Carroll, R. P. Tate and H. L. Newell advanced to Senior Technician.