MELPAR-A-GRAPH

MELPAR, INC. • A SUBSIDIARY OF WESTINGHOUSE AIR BRAKE CO.

Volume 4, Number 10 September, 1959

Company Marks Record Simulator Delivery

FIRST PRODUCTION MODEL . . . Captain D. H. Strube, Chief of the Air Force office at Melpar, congratulates Vice President A. C. Weid on delivery of the first production model of the F-101B Weapon Simulator (shown packaged and ready for shipping) on July 31. Since then, two additional simulators have been delivered to the Air Force, setting a record delivery of three simulators in five weeks. The record was made possible by the close cooperation between Melpar and Air Force teams working around the clock. Photo by Meinke

Melpar's Engineering and Production Divisions recently established a record by delivering three production models of the F-101B Weapon Simulator in five weeks.

Prototype of the Melpar designed and built simulator was accepted by the Air Force in late April.

The two divisions, working closely with Quality Control and Air Force test teams, made delivery of the first production model of the equipment, which simulates the McDonnel F-101B "Voodoo" aircraft, on July 31.

First production model of the simulator was checked out by the Engineering Division. Check out tests were monitored by Quality Control. The second model, delivered on August 11, was completely checked out by Quality Control. The third model, shipped on August 27, was also checked out by Engineering and monitored by Q. C.

Final physical and electrical acceptance tests were run on the equipment by the Air Force representatives stationed at Melpar.

All three of the simulators were built at the Columbia Pike Production Department.

The F-101B is only one of Melpar's ventures into the simulation field. Other models of aircraft simulators designed and built by the Company include the A4D-1, A4D-2, F86-D, F-100A, RF-101A, and the F-101A.

The Company is scheduled to build a number of the F-101B Simulators for the Air Force.

K. E. Schreiber Named Department Manager

Mr. K. E. Schreiber, former Assistant to the Manager of the Production Division, was promoted to Manager of the Columbia Pike Production Department last month.

Mr. Schreiber joined Melpar as a Senior Engineer in 1952 and was promoted to Project Engineer in April 1953. He later was promoted to Section Head in 1956 and to Assistant to the Manager in 58.

K. E. Schreiber

Among other projects, the Columbia Pike Department is presently engaged in the final assembly and production of the F-101B Weapon Simulator.

High School Institute Hears Address by Ritt

Dr. Paul Ritt, Chem Lab Manager, presented a lecture to an open meeting of the Second Annual Fairfax County Summer High School Science Institute on August 19.

Melpar was one of the sponsors of the Science Institute, presented under the auspices of the Fairfax County Parent Teachers Association.

Dr. Ritt's lecture, "Microminiaturization and Molecular Engineering," was presented at the Annandale High School auditorium. The Science Institute conducted a series of top level lectures for 73 honor students at local high schools from August 17-28.

The Institute was held primarily to direct the students' interest toward studies to prepare them for careers in science, education and industry.

HOLIDAY

For the fourth time this year, Melpar employees will enjoy a three day weekend. Monday, September 7, is another of the Company's seven paid holidays given each year. Employees are scheduled to return to work on Tuesday, September 8.

FINISHING TOUCHES . . . are being applied to the Hardin plants, the Company's newest building addition. Located on Hardin Street near the Leesburg Pike plants, the new plants will afford the Company approximately 50,000 square feet additional working space. The move into the new plants is expected to start early this month. Photo by Norton

Hardin Plants Added To Building Facilities

Melpar expects to move into the Company's newest building additions—the Hardin plants—early this month. Located near the Leesburg Pike plants, the new plants will afford the Company approximately 50,000 square feet additional working space.

Five connecting plants are presently being built at the location. Each plant is planned for approximately 10,000 square feet. The first of these should be ready for occupancy early this month. The other plants should be available in the next few succeeding months.

The new plants are being built directly behind the Leesburg Pike plants and fronting Hardin Street. Constructed of brick, the Hardin plants utilize prestressed concrete beams instead of steel girders.

Cole Is Guest Speaker At Orlando IRE Meet

Mr. Ralph I. Cole, Melpar's Manager of Military Projects Planning, was guest speaker at the first technical session of the newly created Orlando (Fla.) Section of the IRE, held in Orlando on September 2.

Mr. Cole, an IRE Fellow and Director of Region 3, spoke on "IRE Activities-Present and Planned."

Melpar Displays Exhibit At Business Conference

Melpar Senior Buyer J. R. Ward, along with representatives of other leading firms, participated in a Business Opportunities Conference held at the Hotel Robert E. Lee in Winston Salem, N. C., on August 14.

Melpar was one of four companies to present an exhibit at the North Carolina meeting, held to acquaint the Air Force Richmond and Atlanta Procurement Districts' small businesses with sales potentials open to them.

17 In-Plant Courses Scheduled for Fall

Melpar, in conjunction with four leading area educational institutions, is sponsoring 17 in-plant mathematics and engineering courses during the Fall semester, according to Mrs. J. T. Lafrank, Director of Personnel.

Registration for the courses will be held by the Capitol Radio Engineering Institute on Wednesday, September 9; George Washington University and American University on Monday, September 14; and by the University of Virginia on Tuesday, September 15.

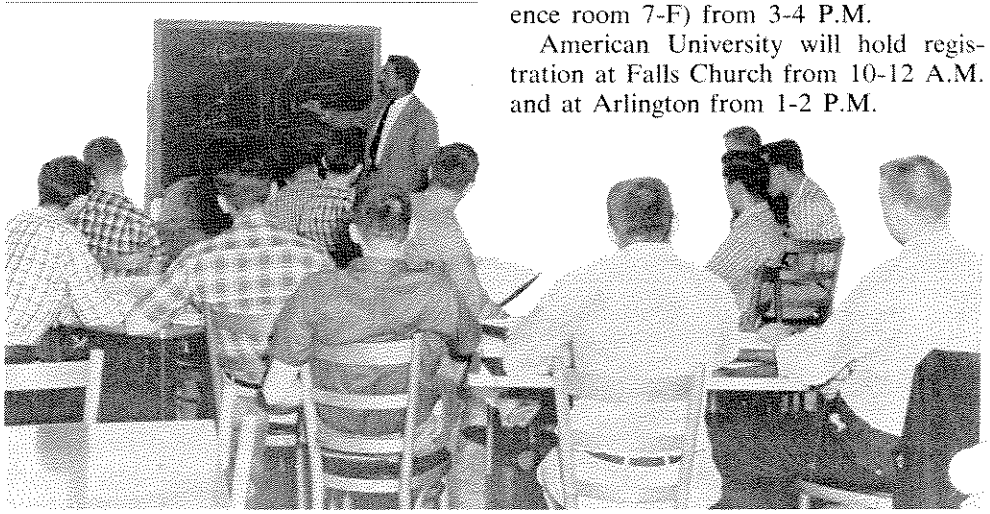
The courses will be available to all full-time employees and are reimbursable under the Company's tuition reimbursement plan.

Capitol Radio Engineering Institute is offering three sections of a basic electronics course and George Washington University is offering 6 courses—college algebra, trigonometry, analytical geometry, calculus, integral calculus and math for scientists and engineers.

Five graduate engineering courses are being offered by the University of Virginia at the Bailey's Crossroads U. Va. Extension. The courses are: transistor electronics, theory of servomechanisms and feedback systems, feedback amplifiers, radiation field theory and modern operational methods.

The schedule for registration by CREI, GW and U. Va. has been announced as: Falls Church (main conference room) 8:30-9:30 A.M.; Bailey's Crossroads area employees-Leesburg Pike #6 from 10:30-11:30 A.M.; Shirley (main conference room) 1-2 P.M.; and Arlington (conference room 7-F) from 3-4 P.M.

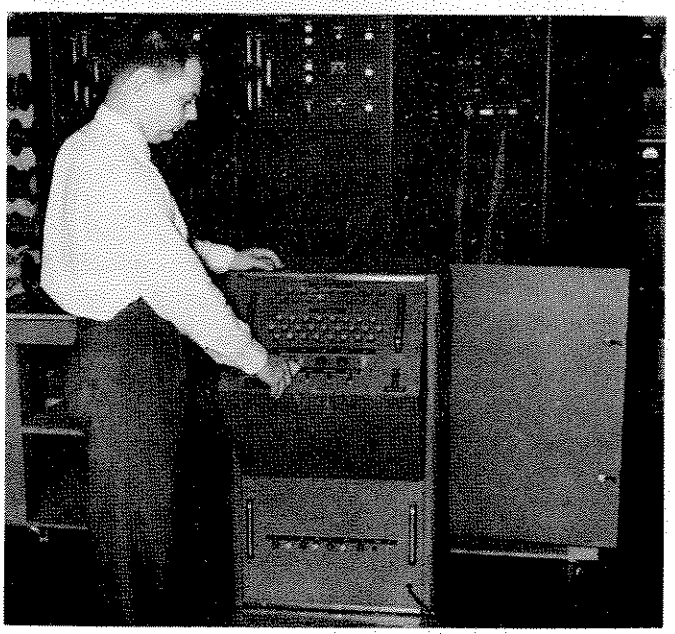
American University will hold registration at Falls Church from 10-12 A.M. and at Arlington from 1-2 P.M.



IN-PLANT CLASS . . . Instructor Anthony B. De Pasquale, Falls Church Personnel Representative in charge of Educational Assistance Training, is shown teaching a plane trigonometry class in the main plant cafeteria. The course, one of many in-plant courses offered at Melpar, is sponsored by the College of General Studies of George Washington University. In-plant courses are open to all permanent, full-time employees of the Company. Students are reimbursed by the Company for 50 per cent of tuition and lab fees after successful completion of courses. Photo by Tatroe

Q.C. Test Group Is Typical Service Function

CHECK POINT . . . Electrical Technician James Orris checks a test jig circuit solder joint under the watchful eyes of Junior Engineer Richard Davis. The unit is being built by the Test Equipment group for one of the Company's major programs.



CABLE CHECKER . . . Engineering Assistant Byron Gates tests a Q.C. built automatic cable checker designed to search 400 different circuits for opens, shorts or grounds in less than a minute.

PRECISION MACHINE SHOP . . . turns out special chassis and associated equipment in support of the Test Equipment Design and Construction group. From left to right, Instrument Maker Willys Schuster, Mechanical Technician Thomas Lowery, Senior Mechanical Technician Thomas Randall and Mechanical Technician Bobby Simmons. (Photos by Meinke)

The Test Equipment Design and Construction group, an important segment of Quality Control's growing Test Equipment section, is an example of the many service functions created to aid the Company's research, development and production programs.

Specialized electronic test equipment of all types is built by the group for any Company department, according to Supervisor Emory Clevenger.

Among the valuable test equipment designed and built by the group are four automatic cable checkers, each capable of searching 400 circuits for opens, shorts or grounds in less than a minute. The checkers are now in use within the Production Division.

Also, the group has produced a tape-programmed automatic module tester for the Production Division. By means of an ingenious array of lights, the tester pinpoints trouble spots on printed circuits.

Located on the lower level of the Falls Church plant, the group is composed of twenty six people, including six engineers, an instrument maker, 13 electronic technicians and three mechanical technicians. In addition, the group is staffed by an engineering assistant, a clerk typist and a draftsman.

This special test equipment group is equipped with a modern precision machine shop. Many types of mechanical test jigs, special chassis, cabinets, waveguides and associated equipment are turned out in this facility.

The Test Equipment Design and Construction group is presently building an environmental transistor tester featuring automatic selection. The unit, built for Incoming Inspection, is designed to automatically select as many as 300 transistors.

This will be another in a growing list of automated services the group has furnished the Company.

GOING UP!

Falls Church promotions include D. E. Cissel and J. O. Taylor to Senior Technician. J. E. Glover was promoted to Electricial Group Leader and W. J. Watson advanced to Engineering Assistant.

W. L. Hux was promoted to Senior Technical Illustrator and M. F. Allen advanced to Personnel Representative. O. B. Gianzanti rose to Personnel Assistant and H. L. Longshire was promoted to Senior Engineer.

D. L. Lott was promoted to Engineer and M. M. Scott rose to Planner. S. M. Bryla advanced to Senior Physicist and F. H. Moxley rose to Senior Chemical Engineer.

D. C. Lewis advanced to Engineering Assistant, A. C. Herbert was promoted to Design Engineer and A. S. King rose to Engineer.

Arlington promotions include C. D. Curran to Senior Planner, D. E. Slack to Junior Engineer and P. R. Fanelli to Senior Methods Engineer. A. H. Shinderman and J. A. Herberger rose to Machinist Leadman.

D. E. Taylor and B. A. Bender advanced to Planner and G. E. Campbell rose to Senior Planner. C. L. Chini was promoted to Sheet Metal Foreman and G. A. Piper advanced to Assembly Foreman.

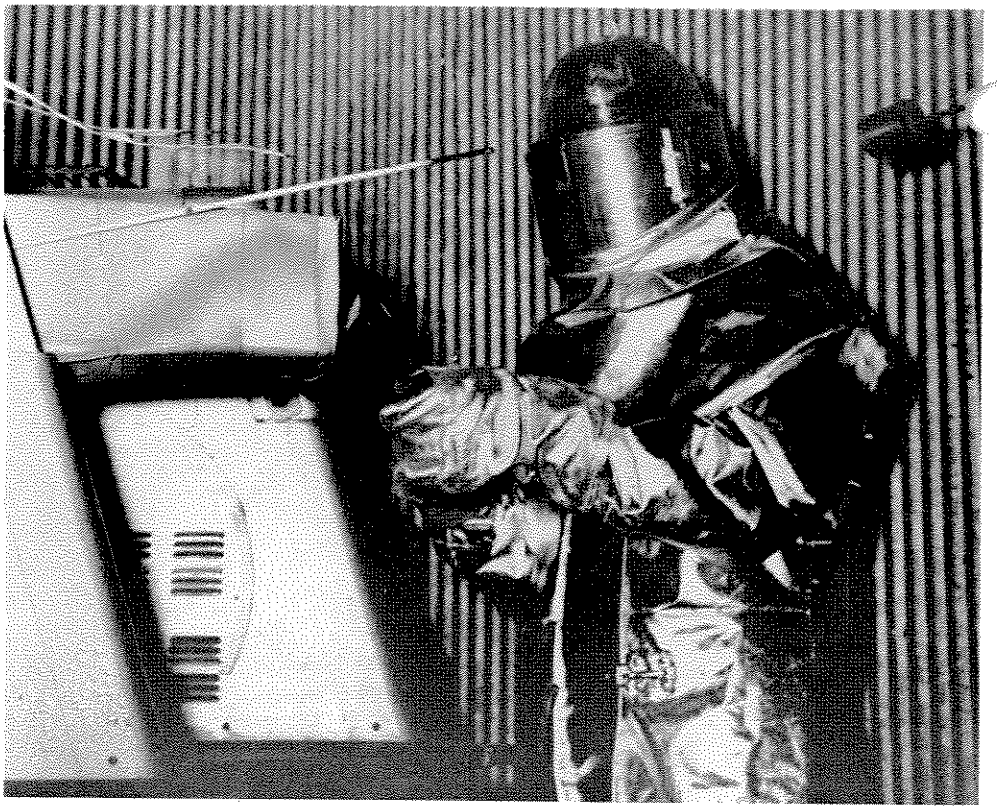
A. S. Gaizick and R. W. Chapman were promoted to Heavy Assembly Task Leader. R. H. Grunnerwald rose to Methods Engineer and A. Blasioli advanced to Junior Methods Engineer.

Shirley promotions include E. C. Smith to Senior Draftsman, J. A. Morandi to Senior Mechanical Engineer and V. A. Keriakos to Engineering Assistant.

R. A. Calvin advanced to Secretary and M. J. Kimble was promoted to Clerk Typist. P. J. McCauley advanced to Junior Planner and J. E. Galliher rose to Engineering Aid.

Columbia Pike promotions include J. W. McCartney to Methods Engineer, H. J. Bailey to Senior Test Engineer and J. E. Arneson to Planning Coordinator. C. G. Burns and W. L. Browning advanced to Assembly Foreman.

C. H. Michener, G. L. Lipkey, J. W. Miller and D. M. McCallum were promoted to Senior Planner. H. J. Mundell advanced to Junior Methods Engineer and T. W. Woodward rose to Junior Planner.



LATEST FASHION . . . Ron Ingram, Chemical Technician, tries out an aluminum, heat resistant suit under temperatures ranging near 1700° F. in the Chem Lab Annex. Dr. Joseph Pentecost's Materials Branch is using the heat and the suit to produce 20 improved ultra violet detectors for the Naval Research Laboratory. The heat, produced by a hydrogen atmosphere furnace, is used to braze copper filling tubes to the housing of the detectors, called the Alpha Ion Chamber. Melpar has contributed an improved ceramic metal seal for the detectors annode assembly. Photo by Norton

C. B. White and A. G. Melton were promoted to Planner and J. J. Walden advanced to Engineer.

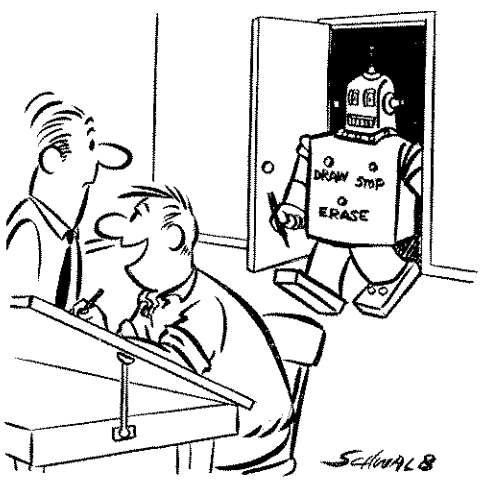
Leesburg Pike promotions include R. A. Harris to Expediter and E. J. Fornasar and R. P. Mayer to Test Engineer, N. J. Pollack advanced to Engineer and G. E. Glen rose to Junior Engineer.

M. R. Crank advanced to Carpenter Group Leader and C. H. Nelson was promoted to Senior Technician.

Bailey's Crossroads promotions include C. F. Sullivan to Senior Draftsman and C. L. Wade to Test Engineer. C. H. Bell rose to Spares Planning Supervisor and J. E. Yoke was promoted to Junior Planner.

J. E. Johnson advanced to Secretary and C. W. Christopher was promoted to Spares Planner.

A. Vasconcellos was promoted to Senior Technical Writer at Watertown and S. L. Lanier advanced to Senior Technician at Alexandria.



. . . I hear we're getting a new Mechanical Draftsman . . .

'Financial World' Article Devoted to Melpar Story

An article in the July issue of Financial World, old-line financial magazine, is devoted to the "Horatio Alger" success story of Melpar.

Paying tribute to the "brains at Melpar," President Thomas Meloy, Executive Vice President and General Manager E. M. Bostick and Vice President A. C. Weid, the article's main emphasis is on the firm's leading activities and industry advancements since its foundation in 1946.

The magazine article also explores Melpar's position in the parent company, Westinghouse Air Brake.