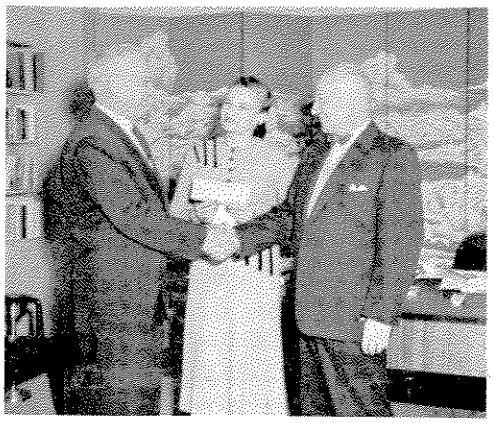
MELPAR-A-GRAPH

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

Volume 1 Number 1 December 1955

COMPANY BACK LOG AT RECORD PEAK



PLEASANT PARTING - Bob Hannemann, Inspection Group Leader at Arlington, exchanges farewells with President Thomas Meloy. Mrs. J. T. Lafrank, Personnel Director, exhibits first pension check issued under Company's Pension Plan. (Story on pg. 3)

BREAKING THE NEWS

The MELPARagraph makes its bow with one prime objective -- to inform Melpar people of what goes on in their Company.

The ancient wheeze: "When a man bites a dog -- that's news" may apply to the morning newspaper, but the MELPARagraph will use a different standard . . .

Within the bounds of security and of common sense, we intend to keep our readers aware of the Company's prospects and progress.

The scene of one's livelihood is an important element of life. We believe that the efforts and achievements of Melpar and Melpar people in that scene are newsworthy -- and we aim to say so.

Readers of The MELPARagraph will find no stale jokes, no gossip, and no cheesecake. They will read of new contracts awarded, new equipment acquired, new fields of work opened up.

The MELPARagraph staff will do its best to present the news accurately and readably. And with that for a promise -- we give you Volume One, Number One.

$30-MILLION VOLUME ASSURES STEADY OPERATIONS HERE

More than 70 contracts valued in excess of $30,000,000 and covering a wide range of engineering and production activity go to make up the Company's workload at the present time.

Representing a 50 per cent increase in bookings over the past year, our backlog assures a continued high rate of employment in all sections of the Company.

Although security considerations forbid detailed description of many projects now active, it can be said that their scope is extensive even for the ever-expanding electronics industry.

Flight simulators, complex radar systems, countermeasures equipment, and navigation aids represent but a few of the fields in which the Company is now engaged.

An aggressive sales policy aimed at further broadening its area of interest will be followed by the Company in the coming year, according to President Thomas Meloy. "We have the facilities, equipment, and engineering resourcefulness required to keep pace with the growth of the electronics industry", said Mr. Meloy, "and we have no intention of standing still. We intend to grow to the very limit of these abilities."

WATERTOWN SHOWS DYNAMIC TESTER TO ARMY MEN

Melpar's work in the design and development of Dynamic Tester equipment for the evaluation of weapon systems was described and demonstrated during a recent two-day meeting of the program's steering committee at the Watertown plant.

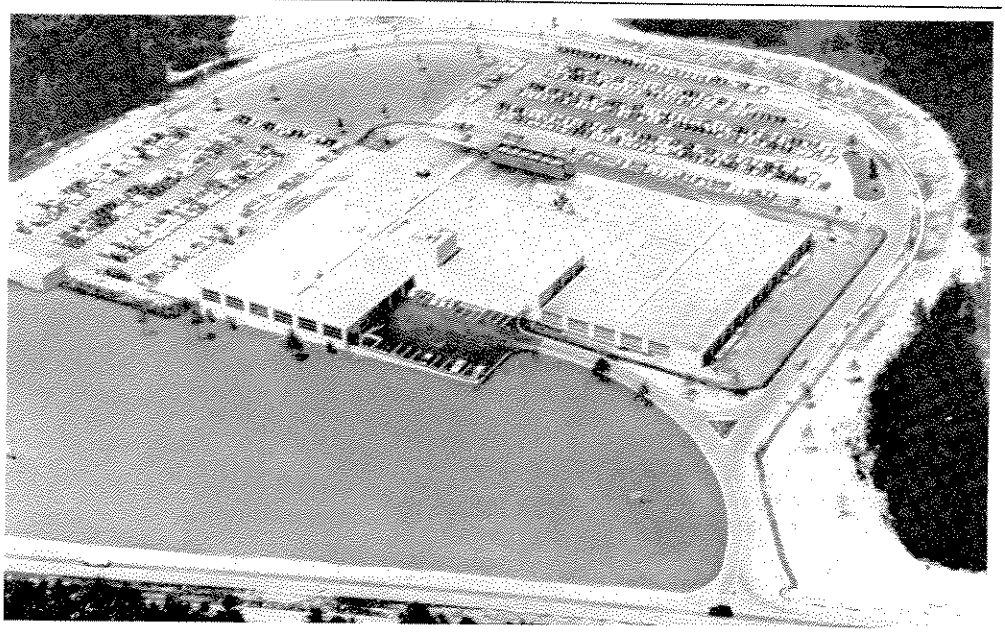
Attended by more than 25 representatives of various agencies and bureaus, the demonstrations brought forth unanimous praise for the work done thus far and wide-spread interest in the further developments planned.

Among the phases of the program treated were the basic concepts of digital and analogue systems, mechanical and electrical features of tester equipment, operational tests, a tape conversion system design and demonstration, and IF and RF insertion principles.

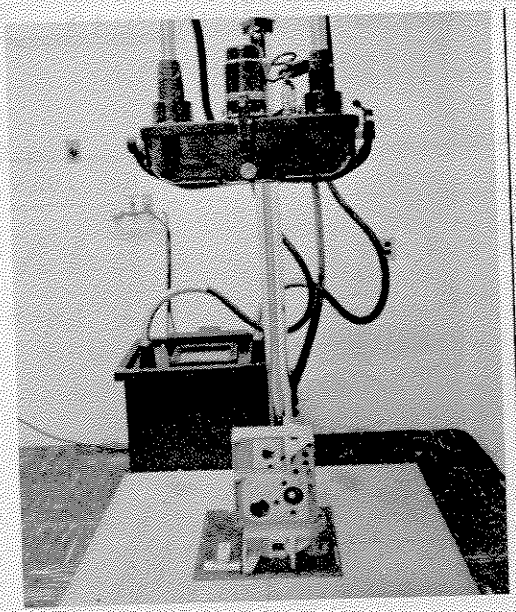
The sessions were conducted by Anthony Abate, Watertown Plant Manager. The work was demonstrated by Messrs. Fisher, Benkley, Staller, Stern, Jacobs, and Gordonstein of the Watertown engineering staff.

In the audience were representatives of Army Signal Corps, Army Ordnance, Frankford Arsenal, Watertown Arsenal, Aberdeen Proving Ground, Evans Signal Laboratory, Redstone Arsenal, White Sands Proving Ground, Office of

(See DYNAMIC TESTER, Page 3)



THE PARKING PROBLEM was not bothering the photographer – at least, not when he took this view of Melpar's headquarters building on Route 50 in Fairfax County, Virginia. Photo by Winged Camera Service



X-RAY UNIT WINS AF APPROVAL AS QC TOOL

The Company's X-Ray installation in the Falls Church plant has been approved by the USAF for work on military contracts.

Word of the successful completion of "Mil-Spec" tests involving radiographing of submitted samples has been received from the Chief of the Quality Control Division at Warner-Robins Air Force Base.

The installation features a 150 peak kilovolt industrial X-Ray machine manufactured by General Electric. Placed in service in March, 1955, the equipment finds wide use in inspecting components and materials subject to hidden flaws. Inspection of printed circuit boards for the precise alignment of the conducting pattern on both sides has been particularly valuable.

Aside from aircraft plants, large foundries, and commercial testing laboratories, X-Ray facilities of this nature are uncommon. Melpar is one of the few electronic companies in the country to utilize the technique.

WATERTOWN ADDS TO PLANT

A 4300-foot addition to Melpar's Watertown plant at 11 Galen Street in Watertown, Mass. has been leased in a move to keep pace with expanding operations at that location. The total working area in Watertown now exceeds 20,000 square feet.

Planned re-arrangement of plant facilities will provide larger quarters for equipment test and for chassis wiring. A new first-aid room also is projected.

$17,000 INSTALLATION AT FALLS CHURCH EASES PARKING

A new parking area having a capacity of 260 cars has been opened at the Falls Church plant. Constructed at a cost of $17,000, the new area fills a long-felt need.

The sustained growth of the Company during 1955 taxed the original parking areas at Falls Church to capacity just a few months after the plant began operations.

Though the problem was soon seen, the solution was not ready-made. A revision of the zoning ordinance governing the Company's use of its Fairfax County property had to be won in hearings before the County Board of Zoning Appeals before the installation could get under way.

COMPANY NEGOTIATES NEW AND LARGER HOSPITAL PLAN

A new Group Insurance Plan providing greatly increased hospital care and surgical fee protection for Melpar people has been established by the Company through the Continental Assurance Co. Taking effect November 30, 1955, the Plan also adds benefit features never before available.

The additional cost to Melpar people over the old plan is 7 cents a week for single persons, 33 cents a week for those with dependents. The Company's contribution to the cost of the Plan has been increased to maintain the same proportions as under the old plan.

The following table reflects the increased and expanded protection now provided by the Plan.

Full details of the new Plan, together with authorization forms, were distributed to each employee early in November.

Increased Benefits for Employees	Present	New	% Increase
Daily Hospital Benefit	$ 8.00	12.00	50%
Hospital Service Benefit	80.00	120.00	50%
Surgical Fees	Up to 150.00	Up to 250.00	66-2/3%

Increased Benefits for Dependents	Present	New	% Incr
Daily Hospital Benefit	$ 6.00	10.00	66-2/3%
Hospital Service Benefit	60.00	100.00	66-2/3%
Surgical Fees	None	Up to 150.00 Max	New
Maternity	60.00	100.00 plus surgical benefit	New

VETERAN SHEET METAL MAN NOW ENGINEER ON SIMULATORS

"R. H. Appel - Mechanical Engineer" is the reading as of October 31, 1955. On May 26, 1947, it might have read: "Dick Appel - Melpar's one-man sheet metal department."

That's when and how Dick made his start with the Company. "I had a bench in the machine shop and my tool box, and not much else", Dick said in an interview. "But that didn't last long. You could almost hear the Company grow."

From sheet metal worker to Leadman in 1952, to Section Leader in May, 1955, to Mechanical Engineer in October, 1955; those are the high-spots of Dick's forward progress.

Early in his career with Melpar, Dick fixed upon mechanical engineering as his particular road upward. The ensuing years of night school and correspondence course studies, and of increasingly responsible job assignments in the Company, have now paid off. The Flight Simulator Section at Falls Church has a brand new engineer - home-grown.

Further typifying the Company's policy of promoting from within, Dick's place as Sheet Metal Section Leader has been filled by Rayburn Cox, of that Department.

WABCO FOUNDER IN NYU HALL OF FAME

George Westinghouse (1846-1914), founder of the Westinghouse Air Brake Company, has been elected to New York University's Hall of Fame for Great Americans.

The renowned inventor and industrialist was one of 3 men elected out of 209 nominated to the shrine, established in 1900. Only 81 individuals have been so honored thus far.

COLLEGE LEVEL ENGINEERING COURSES WILL BE GIVEN AT FALLS CHURCH

The first of a projected group of college level courses in engineering subjects to be taught at Melpar's Falls Church plant will begin Tuesday evening, November 29, at 5:50 p. m. Entitled "Modern Computing Machines", and sponsored by George Washington University, the course will be given by Mr. Robert D. Elbourn. Mr. Elbourn is Chief of the Components and Techniques Section, Data Processing Systems Division, of the National Bureau of Standards.

Registrations for this course closed on November 22. Enrollments are now being accepted for many other courses, according to T. L. Wood of the Personnel Department who is coordinating the program on behalf of the Company. Mr. Wood will provide detailed information either in person, at the Falls Church plant, or by telephone (Ext. 287).

A reduced fee for all courses has been set by the University of Virginia Extension School and by George Washington University, participants in the program. Though on-campus costs per course range from $45.00 to $48.00 per semester, the Melpar courses are priced at $36.00 each. The reduction is the result of the Company's offer to provide the necessary classroom space and to absorb the costs incident to its maintenance. G W officials also have agreed to accept three-part payments of $12.00 each for "Modern Computing Machines".

Widespread interest currently is being shown in courses in College Algebra, Plane Trigonometry, Analytic Geometry, and Elements of Electrical Engineering. Registration dates for these and other courses will be established soon.

All courses will yield degree credits to those students having the necessary prerequisites; non-credit students having a high school diploma, of course, are equally eligible for enrollment.

WATERTOWN PLANT AIDS WORK - STUDY PLAN

Melpar's Watertown plant is participating in a work-and-study program administered by Northeastern University of Brookline, Mass. and finding it of mutual benefit to all hands.

Heart of the program is Northeastern's five-year curriculum leading to a Bachelor's degree, of which two years must be spent in active work in industry. Northeastern students follow a schedule of "10 weeks at the bench, 10 weeks at the desk", throughout the five-year span.

Edward G. Campbell and Francis B. Williams now are serving as engineering student technicians at Watertown. Both men are emphatic in praising the program and its objectives. "It puts a lot of meaning into the text-books when you actually work on the equipment", said Mr. Campbell.

Both men are particularly aware of the advantages to be gained by working on projects of more than ordinary complexity, such as they encounter at Melpar. "Two years of this type of experience, plus the usual degree, should make a real difference in the future", commented Mr. Campbell.

WET BLANKET - Arlington County Fire Department representatives instruct members of Fire Brigade at Arlington Division in the use of hand extinguishers. Robert D. Kelly wields the extinguisher while Frank Warren expresses pleasure — perhaps because it works.

FIRST PENSION PLAN EARNINGS CHECK IS RECEIVED

R. W. Hannemann pocketed a new kind of "pay check" when he left the Arlington plant for the last time on November 1. Issued by the Travelers Insurance Co. the "pay check" marked Mr. Hannemann as the first Melpar employee to go into retirement with the benefits of Melpar's Pension Plan easing the way.

Mr. Hannemann joined the Company in November, 1951, after long service with the Bureau of Printing and Engraving. Assigned first as machine parts inspector, he was promoted to Group Leader shortly thereafter. He has served in the Arlington Division machine shop's inspection group since its inception.

Mr. Hannemann was one of the first subscribers to Melpar's Pension Plan when it was inaugurated in January, 1953. "Though I knew I had just a few years to go before retirement", Mr. Hannemann said, "the plan was a good investment in security for me. After all, these checks will keep coming my way even after I throw away the alarm clock".

MSQ-1A FIELD TESTS OPEN AT NEW SITE

The MSQ-1A Field Test Station recently went into operation on a 2-acre tract located one mile west of Kamp Washington on Route 29-211, in Fairfax County.

All MSQ-1A radar systems, now being produced in the Arlington Division, must be subjected to intensive tests under field conditions before shipment to the U. S. Air Force. Fully fenced and flood-lighted, the area will be policed around the clock to maintain the proper level of security.

Featured on the Field Station are a 24-by-48 foot quonset building, concrete test pads, and surfaced road and parking area. An extensive power distribution system has been installed by Melpar electricians.

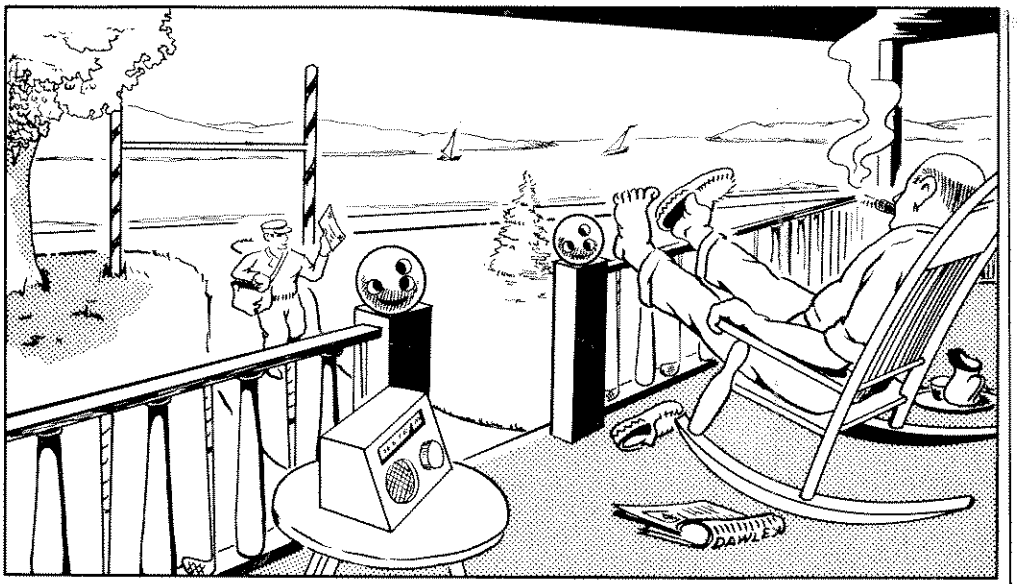
Approximately 20 engineers and technicians will man the Field Station, under the supervision of Glenn Stewart. The Field Station is scheduled for approximately two years' operations on present contracts alone.

Dynamic Tester

(Continued from Page 1)

Ordnance Research, and Lincoln Laboratory.

The Company's work in this field is sponsored by Army Ordnance and is under the technical supervision of Frankford Arsenal.



IT'S NICE WORK-- and your pension plan does it!
1955 SUBSCRIPTIONS CLOSE DEC. 31

GOING UP!

Under this caption, The MELPARagraph will report its best news each month -- promotions won by Melpar people.

The appointment of two Section Heads highlights a group of recent promotions occurring throughout the Company. C. E. Bergman and E. H. Bradley, former Project Engineers, became Section Heads on the Convair project under Project Manager R. E. Miller.

New Project Engineers, all advanced from Senior Engineer, include Bernd Vossen and A. W. Vernon at Falls Church; A. S. Berner at Watertown; and C. J. Rogers at Arlington.

L. W. Bartlett, T. K. Parks, and W. H. Rogers of Falls Church stepped up from Engineer to Senior Engineer.

Promoted from Engineering Aid to Junior Engineer were R. V. Larson, Falls Church, and W. M. Verbeck, Arlington.

At Cambridge, A. P. Pennelli was named Administrative Assistant to the Director of Research. Mr. Pennelli formerly was Technician Supervisor.

At Falls Church, W. H. Conway, R. D. Kelly, G. J. Miller, and J. J. Powers were promoted from Draftsman to Senior Draftsman.

D. A. Allen has been named Librarian at Falls Church. R. B. Cox becomes Sheet Metal Section Leader at Falls Church. A. L. Fristoe moved to Expediter at Falls Church. At Arlington, J. H. Hendricks advanced to Machinist.

G. H. Hibner at Falls Church and R. G. Hoffman and G. H. Martin at Arlington now are Inspection Group Leaders. R. M. Madaris rose from Expediter to Junior Procurement Planner at Falls Church. N. M. Norton, Falls Church, was promoted from Technical Illustrator to Senior Technical Illustrator.

J. W. Peltz is now a Task Leader at Arlington, having moved up from Cablemaker. F. D. Sarver was advanced to Set-Up Man from Machine Operator, and E. G. Schelmbauer became a Lead Man at Arlington.

At Falls Church, T. S. Witherow, formerly a Planning Assistant, has been promoted to Senior Procurement Planner.

MELPAR GOES WEST; NEW PLANT OPENS IN ARIZONA

Newest -- and farthest -- outpost of Melpar is its Tucson, Arizona plant. Headed by J. E. Swafford, Field Project Engineer in B. R. Boymel's section, the plant presently is staffed by R. M. Scott and N. R. Smith, Senior Engineers, and Mrs. Mary Hermes, Secretary.

Now engaged on a Tactical Air Traffic Control and Navigation Contract for the Army Electronics Proving Ground at Fort Huachuca, the new plant is expected to serve as a focal point for the Company's activities in the far west.

Opened only a few months ago, the Fort Huachuca Proving Ground already has announced plans for large-scale expansion, in which contractors such as Melpar should figure prominently.

KELLEHER AIDS SYMPOSIUM

K. S. Kelleher, Engineering Section Head at Falls Church, served as Chairman of the Arrangements Committee for the recent Symposium On Communication By Scatter Techniques sponsored by an I. R. E. Professional Group and George Washington University.

Coleman Goatley, Falls Church Engineering, and Ralph I. Cole, Engineering Services, also were active on the committee.

MELPAR MEN ARE HEARD AT TECHNICAL MEETINGS

A number of Melpar engineers have lectured before scientific groups in various parts of the country recently.

Coleman Goatley, Falls Church, discussed "Circularly Polarized Biconical Horns" at the National Electronics Conference in Chicago.

J. A. Hohos, Falls Church, addressed the 2nd Annual East Coast Conference on Aeronautical and Navigational Electronics in Baltimore. His paper was entitled "Contributing to Reliability through Heat Transfer Without Blowers in a Pressurized Piece of Airborne Electronic Equipment."

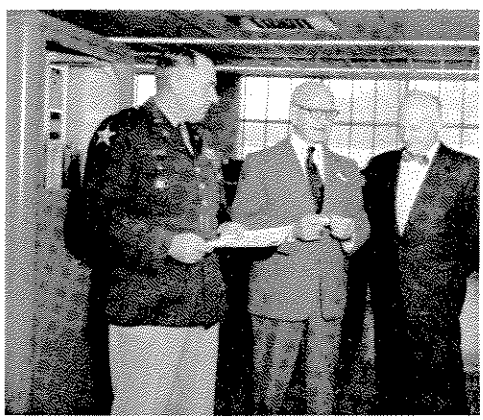
A. A. Lawson, Falls Church, described methods of "Obtaining Economical Short-Run Production by the Mini-Mech System" to the Washington, D. C. chapter of the AIEE.

A paper entitled "Instantaneous Low Frequency Direction Finding Antennas," prepared by C. F. Parker and K. S. Kelleher of Falls Church, was read by Mr. Parker to the Air Force Antenna Symposium. The meeting was held at the University of Illinois.

W. M. Furlow told of work on "Wullenweber Antennas" in a speech before the Professional Group on Antennas and Propagation of the IRE in Washington, D. C.

V. I. Weihe addressed the RTCA Fall Assembly in Washington, reviewing the "Techniques for Air Ground Visual Communications".

Mr. Weihe also lectured on an "Air Traffic Control Signalling System" in Chicago at a convention of the AIEE.



MINI-MECH VISTOR - William H. Martin, Director of Research and Development for the Department of Army, was a recent visitor to the Falls Church plant. Project Mini-Mech, the automatic component assembly machine developed by A. A. Lawson's group in R. E. Williams' section, was of particular interest to Mr. Martin. He is seen here, with Colonel G. N. Adams and Melpar President Thomas Meloy, during a demonstration of Mini-Mech's performance.