

MELPAR-A-GRAPH

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

Volume 2, Number 7

June, 1957

CRYER, ABATE ASSUME NEW JOBS JUNE 10

James M. Cryer Jr., currently Manager of Melpar's Corvey Division, will assume the duties of Plant Manager at Melpar-Watertown on June 10, 1957; at the same time, Anthony Abate, now Watertown Plant Manager, will begin an assignment as Technical Consultant to E. M. Bostick, Executive Vice President and General Manager. Mr. Abate will be on leave of absence from Watertown.

Mr. Cryer served as President of Corvey Engineering Company from November, 1954, until April 1, 1957, when the company was absorbed as a Division of Melpar. Mr. Cryer is a graduate of the University of Pennsylvania, and took his Master's degree in Business Administration at the Wharton School. As a Lieutenant Colonel in the USAF, Mr. Cryer is long identified with electronics procurement.

Mr. Abate joined Melpar in 1951, after having been employed by Raytheon Manufacturing Company since 1941. Mr. Abate received his B.S. degree in Electrical Engineering from Pennsylvania State College in 1936.

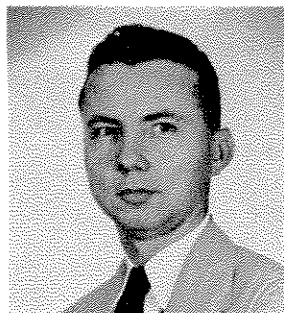
CORVUS MISSILE TEST DEVICE TO BE DEVELOPED BY MELPAR

A test device intended to support the U. S. Navy's new guided missile, Corvus, will be designed and developed by Melpar's engineering staff at Watertown. The assignment results from a sub-contract awarded the Company last week by Temco Aircraft Corp. of Dallas, Texas, designers and builders of the missile itself.

Designation of Melpar to develop the missile's test unit is understood to have stemmed from recognition of the advanced work in this field done by Melpar-Watertown on its T-9 and T-12 fire control test equipments.

Temco is one of the country's newest plants in the booming missile business. Its steadily growing stature in the industry is signified not only by the Corvus award, but by its having recently been chosen to design and build a jet trainer aircraft for the U. S. Navy.

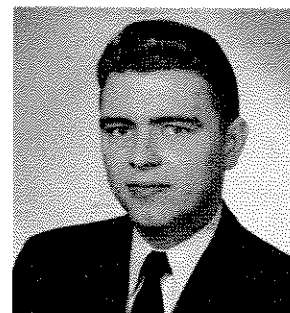
DEPARTMENT HEAD, TWO PROJECT MANAGERS ARE APPOINTED TO NEW ENGINEERING POSTS



K. S. Kelleher



R. E. Miller



E. H. Bradley

Three important new posts in Engineering were created in late May, when R. E. Miller was named Manager, Bailey's Cross Roads Engineering Department and former Section Heads K. S. Kelleher and E. H. Bradley were promoted to the rank of Project Manager.

Upgrading of the Bailey's Cross Roads operation to Department level met the need of more direct administrative control over the advanced phases of the huge B-58 Hustler program.

Mr. Miller has been Project Manager of the B-58 program since July, 1955. He joined Melpar in January, 1954, as a Section Head. Active in electronics since his graduation from the U. S. Naval Reserve Midshipman's School in 1943, Mr. Miller came to the Company from NSA, where he served as Chief of the Radio Equipment Division, Office of Research and Development.

Project Manager E. H. Bradley's entire industrial career has been spent at Melpar, beginning in 1950 immediately after he had won his M.S. in Electrical Engineering at M.I.T. He is a graduate of Duke University, where his B.S. degree was accompanied by a Summa Cum Laude citation. Joining the Company as an Engineer, he rose to Senior Engineer in 1952 and to Project Engineer in 1953; in November, 1955, he was promoted to Section Head.

K. S. Kelleher has gained a national reputation in the complex field of antenna design through his ten years' service with the Naval Research Laboratory and his succeeding work at Melpar. A graduate of North Carolina University in 1943, he earned his Master's degree in mathematics at the University of Maryland in 1948. To join Melpar in 1953, he left his NRL post as Head of the Microwave Optics Section.

ORGANIZATION CHANGES TAKE PLACE AT CORVEY

A series of organization changes designed to implement the recent absorption of Corvey Engineering Company as a Division of Melpar have been announced by E. M. Bostick, Executive Vice President and General Manager. Following the appointment of A. A. Varela as Staff Assistant to Vice President for Research and Engineering C. B. Raybuck, all projects supervised by Mr. Varela will be directed by Project Engineer L. L. Bonham. Mr. Bonham now reports to Project Manager K. S. Kelleher.

4 MORE T-12 TEST UNITS ON ORDER AT WATERTOWN

Melpar-Watertown's successful Dynamic Tester development program recently received further impetus when negotiations were completed with the Philadelphia Ordnance District for the construction of four more T-12 Analogue Dynamic Testers, despite the fact that the first unit of this type still is in late stages of development.

Valued at approximately \$829,000, the new requirement also incorporates an engineering study of possible applications of the T-12 to dynamic testing of such missiles as Nike, Talos, Lacrosse, and Hawk.

OPINION

There is a kind of fascination built into the reading of a 'procurement record' recently issued by Thompson Products Company in conjunction with its yearly report to stockholders and employees. Converted into an editorial by *The Cleveland Plain Dealer*, it tells the story of "The Million-Dollar Lathe".

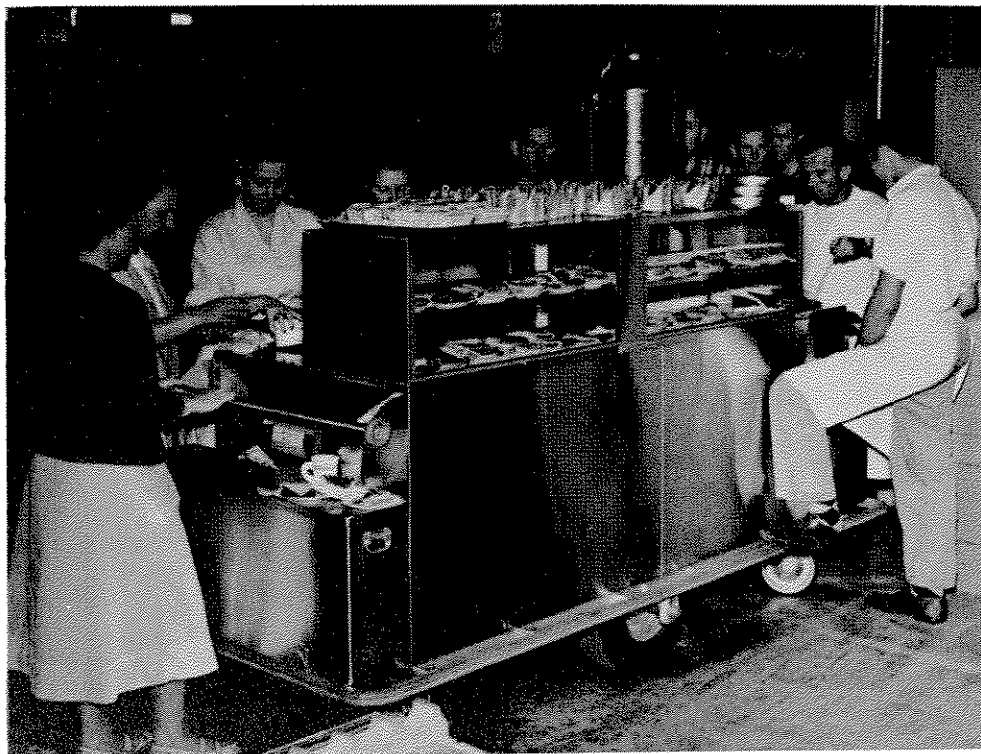
In 1942 Thompson Products Company bought itself a handsome new turret lathe. Paid \$12,000 for it. Federal tax laws then permitted the company to depreciate the cost of the machine over a 14-year period. In 1956, then, the company had been able to reserve \$12,000 out of income (plus a resale value of \$1,000 ascribed to the old machine) with which to buy a new lathe. Everything nice and orderly, thus far.

Unfortunately, the purchasing agent was forced to point out that, in 1956, the price of a replacement lathe was a resounding \$35,000. The production manager then chimed in and explained that even the \$35,000 item would not fill the bill. Standards of tolerance and finish had risen more than somewhat since 1942, and the company's competitors were using a \$67,000 lathe to do the job.

The arithmetic was painfully simple. Thompson Products had in hand, \$13,000 with which to swing a \$67,000 procurement. The company had to ante up \$54,000; and it had to come out of profits. That took a bit of doing. In order to get hold of \$54,000 cash money, the company had to earn \$112,500 before taxes; the government's 52% corporate tax rate took care of the difference. And in order to earn that \$112,500, Thompson Products had to manufacture and sell a little more than a million and a quarter dollars worth of product!

There is neither the need nor the intent to draw a high moral lesson from this incident of the million-dollar lathe. The numbers merely serve to point up the economic facts of life, the kind of performance it takes to keep the doors open in any business.

But the predicament of the Red Queen in "Alice In Wonderland" does come to mind. As she explained it: in her somewhat peculiar world, the Red Queen had to run as fast as she could, just to stay in the same place.



SOUP'S ON . . . on mobile catering units now in action at Arlington Division. Chili, sandwiches, pie and cake, beverages, and the like go to fill out the noon-time menu offered by Nationwide Food Service, Falls Church cafeteria operators who also have undertaken this in-plant feeding operation. Several hundred Arlington people are its daily patrons.
Photo by Lyle Tatroe

JUNE GRADUATES FROM 80 SCHOOLS WILL JOIN MELPAR

Melpar's 1957 college recruitment campaign has apparently produced results distinctly better than the average for the electronics industry. More than 100 June graduates, drawn from some 80 colleges and universities, will join the Company during the next few weeks.

Predominant among the professions represented are electrical engineers, mechanical engineers, chemists, physicists, and industrial engineers. The initial assignments planned for them range throughout our Engineering, Quality Control, and Production activities, in harmony with the Company's increasing volume of products brought from development into production.

The recruiting effort which served to enlist such a large number of new people was no casual affair. It began back in November, 1956, when the Personnel Department's field recruiters began visiting colleges and universities throughout the country; interview sessions were scheduled long in advance, and were conducted simultaneously in as many as nine schools.

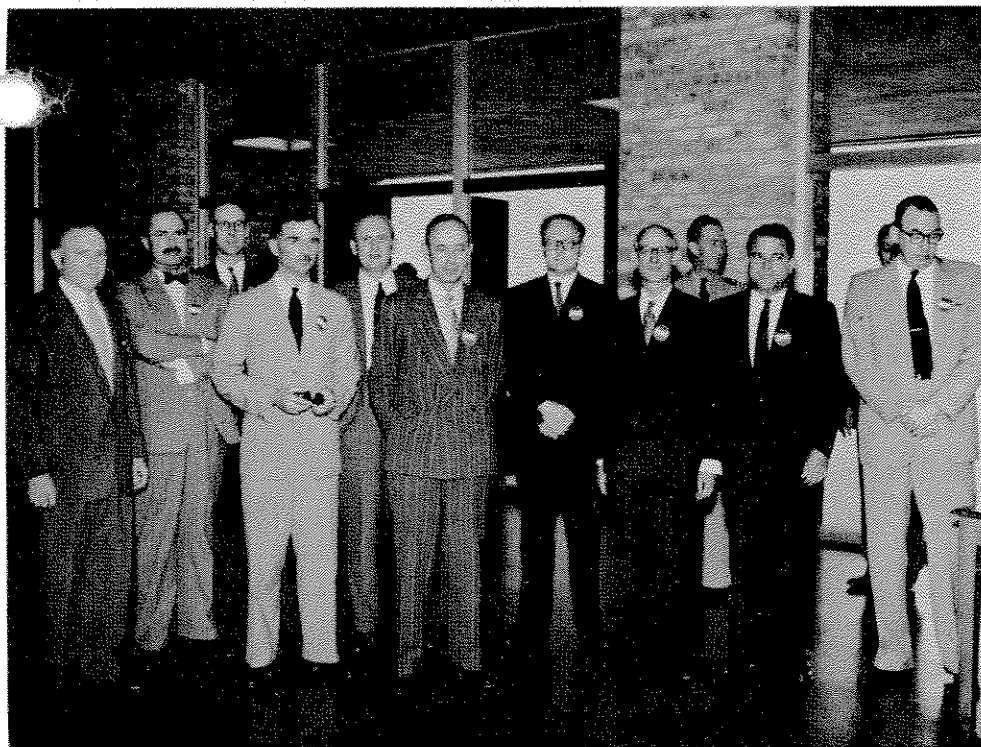
MELPAR-BOSTON MEN IN IRE ACTIONS

Dr. T. P. Cheatham Jr., Director of Research for Melpar, has been elected chairman of the IRE Professional Chapter on Information Theory. The Chapter is a new adjunct of the IRE, having been formed at an organizational meeting held in late May at the M.I.T. Faculty Club.

Another IRE activity, publication of its forthcoming Transactions on Electronic Computers, will include a paper dealing with the "Design Technique for Pedestal Free-Switching Circuits" written by Senior Research Engineer George S. Sebestyen.

J. J. ROONEY IS ELECTED V-P OF PURCHASING MENS GROUP

Sub-Contract Purchasing Agent John J. Rooney has been elected second vice-president of the Washington Association of Purchasing Agents for the 1957-58 term. The balloting took place at the Association's annual election meeting in late May. Mr. Rooney had previously served as a member of the board of directors of the Washington group, which is an affiliate of the National Association of Purchasing Agents.



THE PASSWORD was Security when these United States and United Kingdom officials visited Melpar's Falls Church laboratory. From left to right: Gen. A. E. Kastner, Major G. P. Burnett, K. M. McLeod, Lt. Col. F. B. Clifford, Group Capt. J. A. Crockett, G. Wheeler, E. Pendlebury, R. G. Elkington, Cdr. O. B. Parker, R. E. Ward, R. L. Applegate, and A. T. Port.

Photo by Lyle Tatroe

MEMBERS OF BRITISH SECURITY GROUP TOUR F. C. PLANT

Headed by the Under Secretary of Defense, Mr. G. Wheeler, a civilian and military delegation representing the United Kingdom Release of Military Information Policy Committee inspected the security measures and practices in effect at Melpar's Falls Church laboratory on May 10. The Falls Church laboratory was chosen as the only industrial facility in the United States to be visited by the group, here to observe security methods used in various installations.

Members of the United States' State-Defense Military Information Control Committee, led by R. E. Ward Jr., Office of Munitions Control, Department of State, accompanied the British party. The delegation sought to assess the degree of security afforded classified military information in industry, a factor described as having a major bearing on the exchange of such information between the countries.

In addition to touring the plant, the visitors were briefed on our security techniques by Security Coordinator Gen. A. E. Kastner, USA (ret.).

FALLS CHURCH MOVE GETS UNDER WAY

The recent shift of some 25 engine lathes and milling machines from the Falls Church upper level machine shop to the lower level area recently freed by the transfer of the entire B-58 program to Bailey's Cross Roads was the opening move in an intricate checker game plan to rearrange the laboratory's shop facilities and engineering sections.

The regrouping of forces, brought about by the constantly expanding workloads placed upon both our productive equipment and our service groups, eventually will concentrate virtually all machine shop and sheet metal work in the lower level north area, along with metal stores, mechanical inspection, and dispatching.

Project Manager K. S. Kelleher's group then will occupy the former shop area. Purchasing, the Air Force Office, the Library, Security Office, the Mail Room, and Central Files are scheduled to absorb the upper level north area vacated by Mr. Kelleher, in addition to an expansion of Chem Lab and Contract Administration activity. The Accounting Department finally will expand into the old Purchasing area.

MELPAR MEN ATTEND BRIEFING AT CONAD

Led by President Thomas Meloy, a group of Melpar personnel journeyed to Colorado Springs, Colorado recently to attend a special conference on the air defense needs of the United States and Canada. The meeting, addressed by ranking officers of the Continental Air Defense Command, was aimed at broadening Melpar's participation in CONAD's ceaseless task of upgrading the country's air defenses against advanced weapons.

Attending the conference with Mr. Meloy were C. B. Raybuck, Vice President for Research and Engineering; B. D. Smith and A. A. Varela, Staff Assistants to Mr. Raybuck; Director of Engineering Services J. P. Chambers, and Dr. T. P. Cheatham, Director of Research.

The principal phases of the conference were a detailed briefing on the total mission of CONAD, given by Lt. Col. J. N. Young, USAF, Deputy Chief of Staff, Intelligence; technical explanations of the roles played in continental defense by the Air Force, the Army, and the Navy, given by Plans and Operations officers of those services; and a general discussion of the Company's current work and future planning on programs associated with our continental air defense.

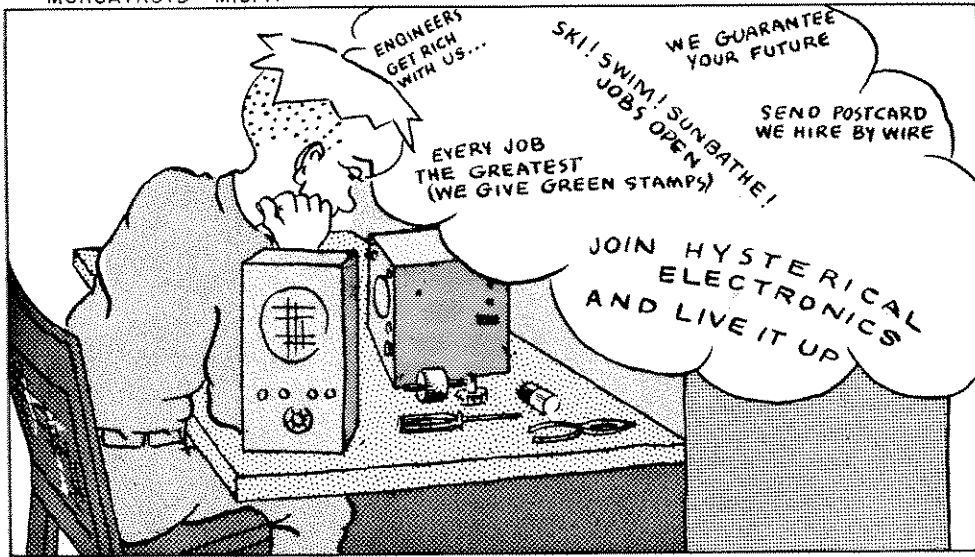
INSURANCE PLAN COVERS EMPLOYEE'S \$2100 COST

The largest medical expense claim yet recorded under the MED-X and Hospitalization provisions of the Company's Group Insurance Plan recently was paid on behalf of Alba Drake, Line Inspector Group Leader stationed at Arlington Division. Costs totalling \$2,169.87, incurred over a long siege of illness culminating in major surgery, thus far have been taken over by the Plan.

Mrs. Drake was first hospitalized on September 5, 1956, just five days after our expanded Group Insurance coverage went into effect. Several periods of hospital care, one of 26 days, have followed; Mrs. Drake is, unhappily, confined to the hospital again at this moment.

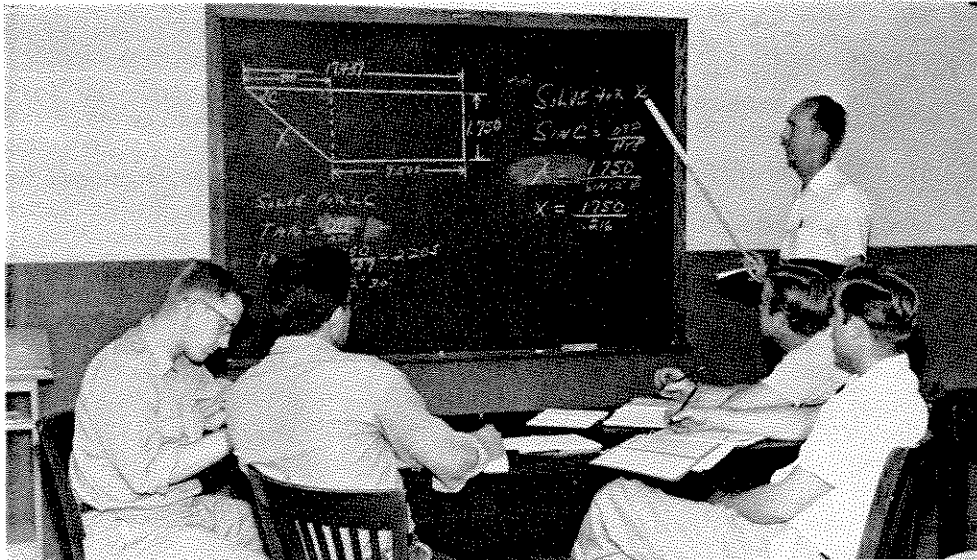
Wearing though the experience has been, Mrs. Drake still has expressed the conviction that her positive knowledge of the fact that she would have to bear but a small part of the financial burden of her illness has given her both comfort and courage.

MURGATROYD MISFIT



S-I-O-W-L-Y, Murgatroyd... It could be a 'Snow Job'

FIRST 'GRADUATES' FINISH SHOP COURSE



LET X BE FOUND and the piece can be made, appears to be the message indicated by Sheet Metal Instructor Kenneth Balderson's pointer in this classroom session attended by Charles Dean, Hugh Leake, Robert McGee, and Godfrey Goodrich.

Photo by Lyle Tatroe

Arlington Division's accelerated shop training courses in machine and sheet metal work, begun several months ago in the "do it yourself" spirit as a means of overcoming the chronic shortage of skilled workers, are producing the results expected. Machinist B Reo LeBlanc and 2nd Class Sheet Metal Men Godfrey Goodrich and Hugh Leake are the first to successfully complete their courses and thereby win promotion.

These first "graduates" are soon to be followed by more Arlington men engaged in either the first or second stages of the

training programs. Manufacturing Superintendent W. P. Stephens and his shop foremen are now satisfied that the effort has passed the experimental phase; they plan to take in additional students from among those who meet the eligibility requirements, chief of which are a good background in high school mathematics and a reasonable degree of familiarity with machine operation. Building on that foundation, and sticking strictly to the kinds of equipment regularly used at Melpar spells success for Arlington's built-in trade school.

GOING UP!

Melpar-Boston announced the appointment of A. H. Payne as Supervisor of Operations Research and Digital Computation Laboratory.

At Falls Church, P. M. Thrasher was promoted to Project Engineer. Three new Senior Engineers are J. Caballero, R. Taynton, and D. M. Bowie. A. Maestri rose from Junior Engineer to Engineer.

R. L. Gross, Arlington Division, was promoted to Electro-Mechanical Group Leader. W. L. Rose is now a 1st Class Precision Assembler. Both J. P. Kleckner and A. Blasioli moved up to 1st Class Heavy Assembler.

Also at Arlington, L. Petrone won promotion to 1st Class Light Assembly Task Leader. Now ranked as 1st Class Light Assemblers are F. V. Irby, H. R. Maddox, M. J. Ronquest, and M. M. McGuire.

In Purchasing at Falls Church, H. R. Heath was promoted to Senior Buyer. R. L. Ross moved up to 2nd Class Technician. F. D. Cruz rose from Technician to Senior Technician. In Drafting, R. E. Lloyd became a Senior Drafter.

At Melpar-Watertown, R. Oppedisano was promoted from Engineer to Senior Engineer. At Bailey's Cross Roads, L. R. Sherman moved up to Senior Technician. R. E. Nowak, stationed at Arlington, became Electro-Mechanical Inspection Group Leader.

At Falls Church, E. W. Reed rose to Receiving and Identification Lead Clerk. New Senior Technicians are C. Smith, W. R. Heflin, B. C. Bair, and W. R. Baker. H. T. Bennett won promotion to Chief Clerk. Both R. G. Lynch and R. L. Pettit rose to 1st Class Wire Technician, and L. M. Gorham was promoted to Lead Technician.

NATIONAL SYMPOSIUM DEALS WITH PRODUCTION METHODS

Under the chairmanship of Falls Church Project Engineer A. A. Lawson, head of its General Committee, the First National Symposium On Production Techniques is scheduled to open on June 17 at the Willard Hotel in Washington, D. C. Melpar is further represented at the event by Senior Engineer Sidney Levine, Chairman of the Technical Program Committee.