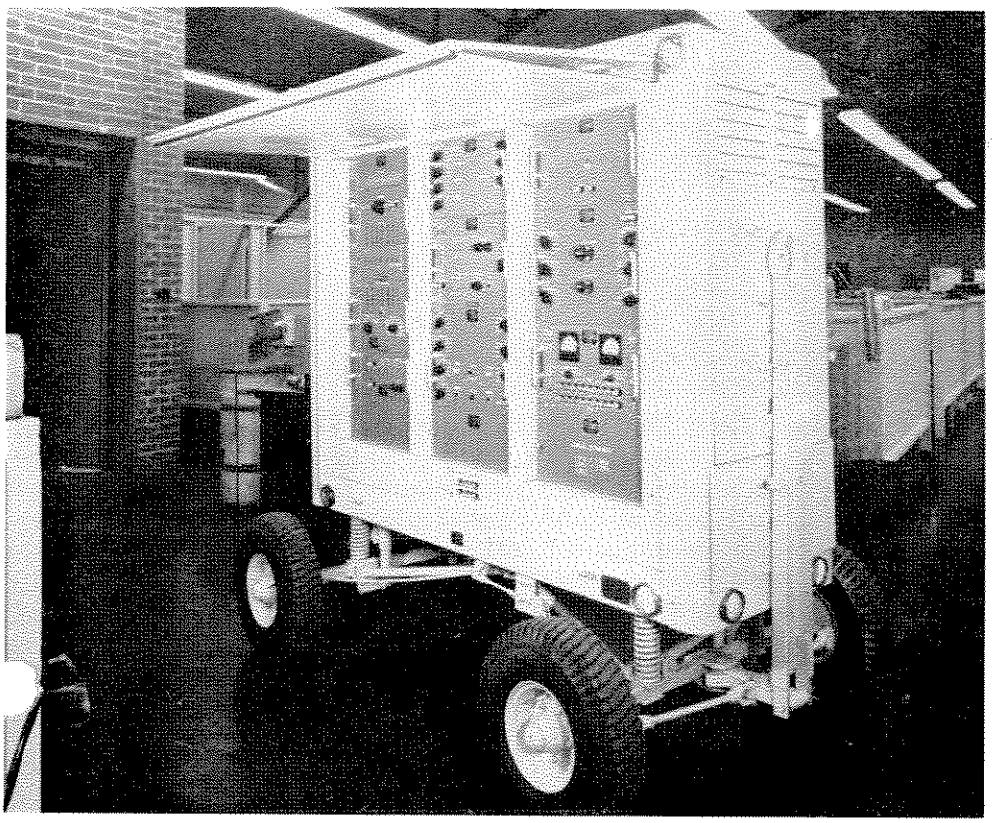
MELPAR-A-GRAPH

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

Volume 3, Number 5 **April, 1958**



MAKES A PRETTY PICTURE, does this Recording System Signal Indicator; with its companion Signal Simulator trailer, it provides complete facilities for calibration, maintenance, and confidence testing of the Bomber, Photo, and Data Reconnaissance Recording Systems which fly with the B-58 Hustler. A quantity of more advanced, highly automated versions of this test gear will be produced under our Phase IV Convair contract. photo by Norton

EXPLORER III, VANGUARD USE MELPAR BEACON

Once again a Melpar-built AN/DPN-48 Beacon provided tracking information during the launching of a successful earth satellite. Contained in the second stage of the Explorer III rocket, the beacon received signals from a ground radar set and retransmitted to the radar so that a reliable tracing of the missile's course could be obtained. Previously the AN/DPN-48 was used in Explorer I and Vanguard earth satellite launchings.

Melpar Junior Engineers J. O. Pennington and J. F. Glover had been commuting between Falls Church and Cape Canaveral, Florida, providing field service for both the Jupiter C and the Vanguard firings. Both were recalled to the Missile Test Center shortly before the successful Explorer III shoot.

MELPAR REPRESENTATIVES ADDRESS IRE CONVENTION

Melpar men attending the national convention of the IRE included the authors of papers which were presented at various technical sessions.

Dr. David VanMeter of Melpar-Boston delivered a paper entitled, "Detection as a Statistical Decision Problem." L. W. Mickey and G. G. Chadwick were the authors of "Closely Spaced High Dielectric Constant Polyrod Arrays."

"A Compact Dual-Purpose S-Band Beacon and VHF Telemetry Antenna" was the subject of a paper co-authored by W. C. Puro, W. G. Scott and W. A. Meyer of Falls Church, while the subject of "Phase and Amplitude Measurements in the Near Field of Microwave Lenses" was covered in a paper co-authored by C. W. Morrow, P. E. Taylor and H. T. Ward.

WORK TO BEGIN ON NEW DIAL SYSTEM LINKING PLANTS

Speeding and expanding telephone service by providing for automatic inter-plant dialing and more extensions is the aim of a new telephone system scheduled for completion this summer. Many months of combined effort on the part of Melpar and the Chesapeake and Potomac Telephone Company will culminate late in April when the actual installation of equipment begins. Designing the system to fit our requirements, building and procuring equipment and providing space for installation were some of the many considerations.

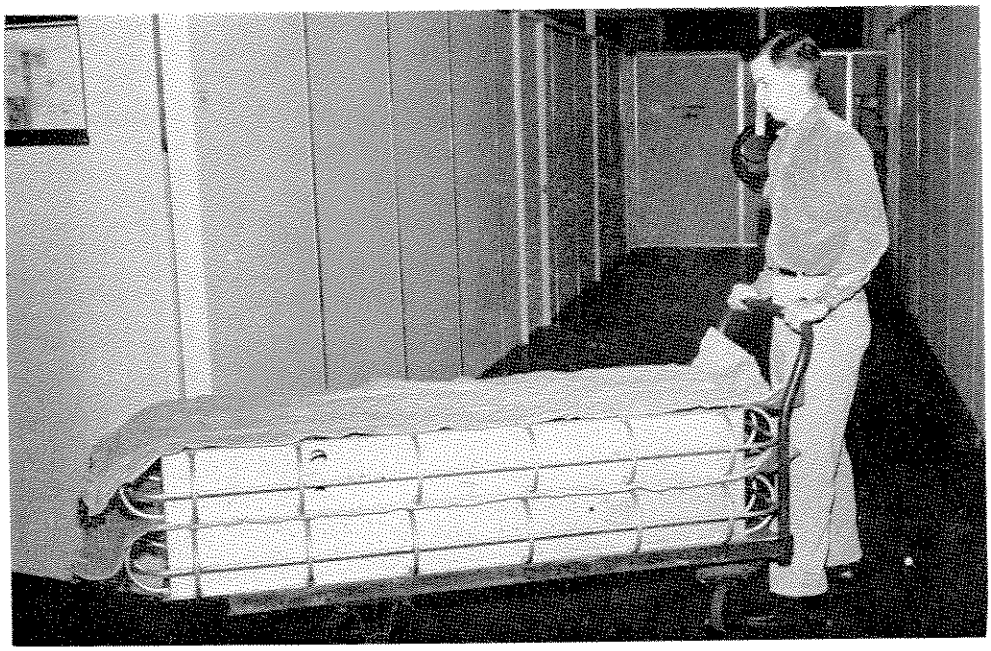
The revitalized network will add 350 more branches to existing facilities and enable calls to be made from one plant to another by simply dialing a four-digit number. The first digit will code the plant called and the other three the particular extension within the plant. Dialing a number within the same plant will be accomplished in the same manner.

Dubbed by the Chesapeake and Potomac Telephone Company as a "Dial Satellite System," the equipment will link the Arlington, Bailey's Crossroads, Columbia Pike and Falls Church Plants. All incoming calls to these plants will be received at the main switchboard which will be located at the Falls Church Plant.

BECKER LEADS TRAINING DEVICE GROUP

E. L. Becker, Engineering Services representative, has been elected chairman of the Training Devices Advisory Committee of the National Security Industrial Association. Mr. Becker had served the Association previously as vice chairman of that committee.

Numbering hundreds of the country's major industrial organizations among its members, the NSIA provides an important channel of communication and cooperation between the Department of Defense and its suppliers in coping with the constantly changing pattern of the nation's defense needs.



DON'T MAKE A MOVE without being sure the material has been properly prepared for transit, and without being able to steer a safe course without a periscope. Doing just this is Material Handler W. J. Montgomery.

photo by Norton

AWARD WANTED

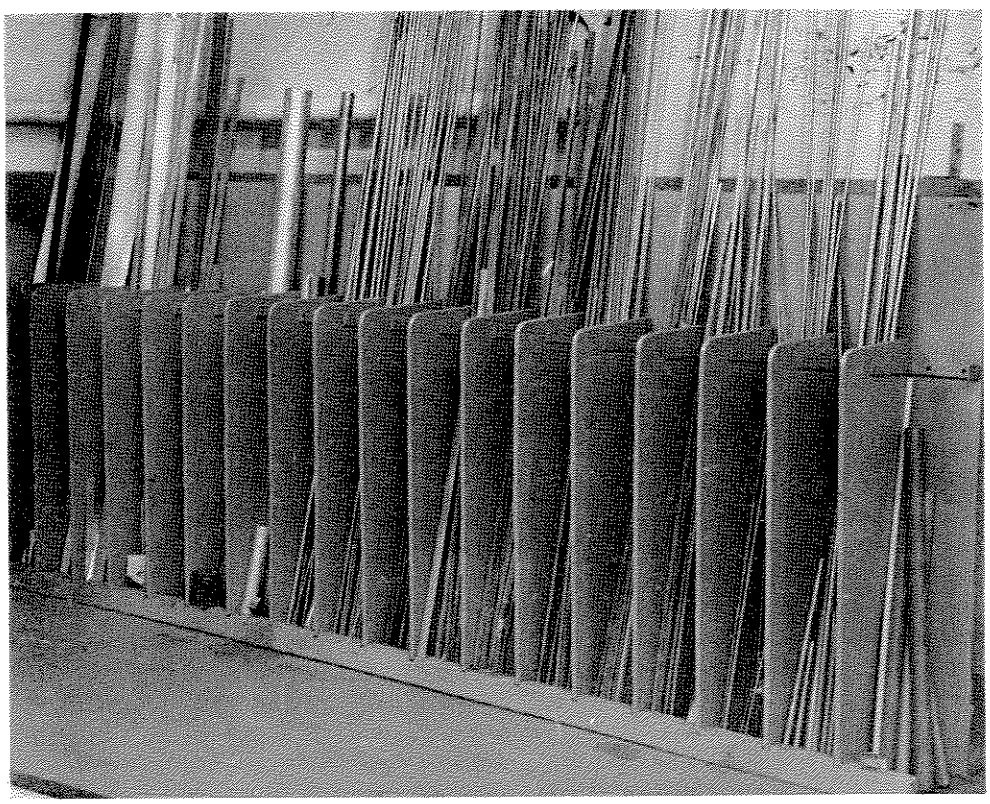
A plaque presented to Melpar by Liberty Mutual Insurance Co. represents our high thus far in working for long periods without a lost time accident. Given for the period from May 8 to October 3, 1954, the plaque records 877,818 hours worked without a lost time accident.

We have approached that figure since, and given two "no lost time" months, a record of over 1 million manhours could be established, a job not as big as the numbers might suggest.

COMMITTEES MONITOR PLANT SAFETY

Safety conditions in Melpar plants and ways to improve these conditions are the concern of the Safety Committees established at the Falls Church, Arlington and Bailey's Crossroads plants. Meeting at least once a month, the groups use a Plant Inspection Report as the basis for formulating recommendations.

The Falls Church committee is headed by B. R. Deschaine, Chairman, with members, P. E. Griffith, R. V. Overton, E. M. Ask, J. W. Swing, R. E. Jones, and H. D. Champlain. Bailey's Crossroads Committee consists of E. M. Lane, Chairman, R. E. Bryan, J. W. Peltz, E. S. Hall, W. W. Hemer, M. A. Price, R. E. Worsham, H. L. Michael and B. Jurasic. The Arlington Plant committee is chairmanned by W. F. Fenton, with W. F. Cowan, C. L. Frankel, J. T. Griffith, W. H. Mahon, and M. B. Miller completing the group.



ALL RACKED UP in orderly array is Melpar Watertown's raw material supply. Readily accessible in the machining area, readily identified by type and size, this storage method demonstrates good housekeeping—an important part of any safety program.

photo by Larkin

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LEFT IS RIGHT and Right is wrong in lifting weighty objects . . . Demonstrating the difference are Receiving and Identification Clerks J. A. Gallagher (he's doing right) and W. J. James (he's on the right, but doing wrong).

photo by Norton

IT'S THE LITTLE THINGS THAT HURT

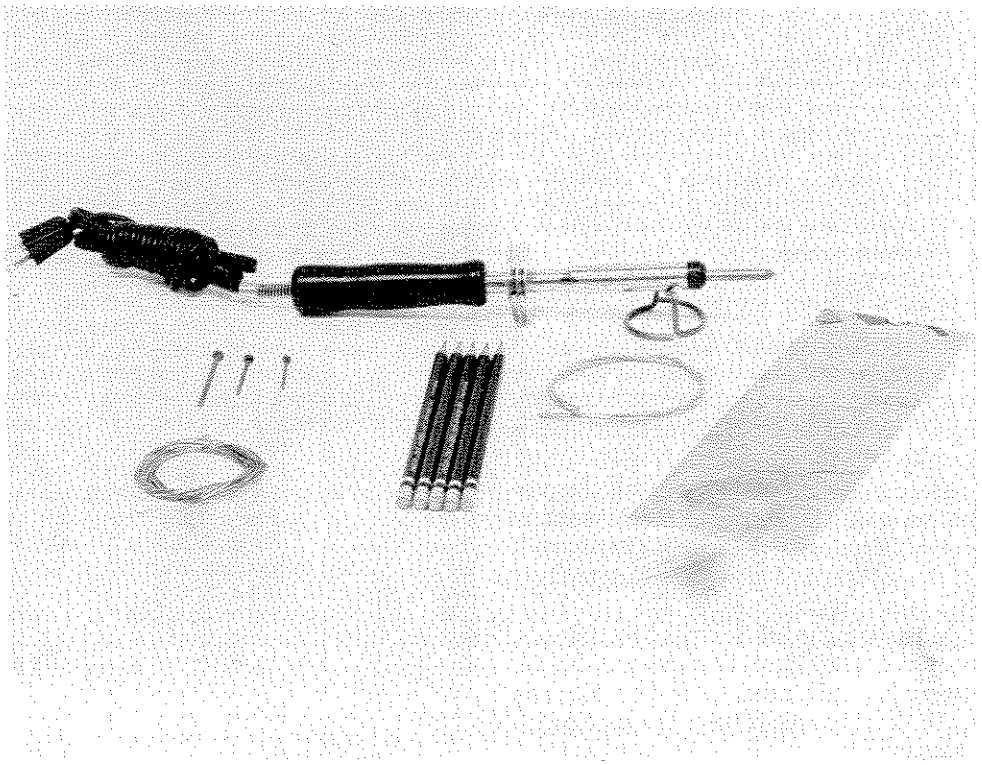
Two out of every five Melpar employees were given medical care last year because of an industrial injury. True, very few required hospitalization but only because a cut wasn't a quarter of an inch deeper or because the hot solder splashed on the eye lid instead of the eye. And what caused most of our accidents? Careless people—not intentionally careless, but people whose attention was not given fully to the job at hand.

If you need proof of this, consider the number of people who were injured by "safe" tools or equipment. Thirty-one people were injured by wire, 24 by file cabinets, 16 by nails, 59 by solder or soldering irons, 15 by pencils, 10 by staplers; 29 persons bumped into tables, doors, and walls.

Explain it any way you like, but it still boils down to people—mainly people who have learned the price of inattention, the hard way.

THE SCOREBOARD

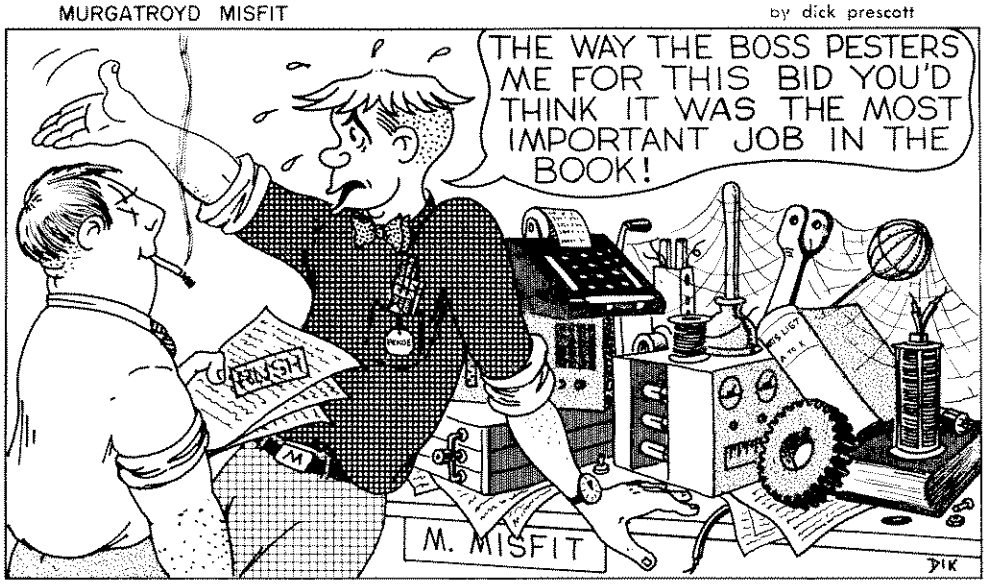
1957's Accident Score—**1507**
Total Employees For Year—**4060**
The Odds on You Were—**2 to 5**
The Odds for '58? No One Knows . . .
But YOU Can Beat the Odds



THE POINT IS . . . that not all hazardous objects are as dramatic as a .45 Colt. Things as commonplace as pencils, wire, solder and similar objects, pictured here, present daily hazards to those who fail to see the point.

photo by Norton

MURGATROYD MISFIT by dick prescott



It is, Murgatroyd; indeed it is.

GOING UP!

Announcement of the advancement of L. C. Wright and B. R. Boymel from Section Head to Project Manager recently was made. Mr. Wright joined the Company in February, 1957, as a Section Head; he previously had served as Chief Simulator Design Engineer at Erco. He holds a BS degree earned at the University of Maryland in 1949.

B. R. Boymel came to Melpar as a Project Engineer in June, 1953, from his post as Executive Engineer at the National Bureau of Standards. He was named a Section Head in September, 1955. His BS degree was conferred by CCNY in 1941.

At Falls Church, K. C. Streeter has been promoted from Project Engineer to Section Head. Advanced from Project Engineer to Project Engineer in Charge were the following Falls Church men: I. Apter, B. H. Dennison, W. G. Heffron, Jr., and T. G. Walkinshaw.

C. J. Rogers has won promotion to Section Head. M. E. Hill, also of Arlington, rose to Project Engineer.

Now stationed at Columbia Pike, H. Ihara has advanced to Project Engineer. R. O. Braun, at Falls Church, also has risen to Project Engineer.

Melpar-Boston has announced the promotion of C. V. Foley to Staff Assistant to the Director of Research (Personnel). At the Alexandria plant, E. Gettner rose to Senior Engineer.

M. B. Morgan, of Bailey's Cross Roads, moved up to Test Supervisor. N. A. Heaps has advanced to Senior Planner. J. C. Yarbrough is now Print Control Leadman.

At Columbia Pike, H. D. Childers rose to Engineer and B. R. Mullins advanced to Junior Engineer.

Promoted to Senior Planner at Falls Church were C. O. Gray, E. J. Beiseigel, and V. A. Keriakos. P. L. Cummings and M. Amorosi rose to Senior Payroll Clerk. Promoted to Senior Technician were C. R. Beekman and C. W. Granger. R. E. Osborne is now a Lead Technician.

MELPAR'S WELDERS MEET AF QUALITY DEMANDS IN TEST

Having proven their proficiency in the art by meeting a series of stringent requirements involving the fabrication of various types of joinings in metals of varying kind and thickness, nine Melpar welders now are certified competent to practice their craft on work subject to rigid Federal specifications for quality control.

Our welder certifications were extended by Robert S. Herman, Chief, Technical Methods Branch, Warner-Robins AFB; the welding operations and subsequent metallurgical tests, consuming nearly three days, were witnessed by Grover Edmunds of the Virginia Air Procurement Office.

More than a year of work in devising procedures, establishing standards, and training personnel to meet them went into the effort. Welding requirements regarded as 'normal' for certification had to be adapted to the range of work carried on at Melpar.

At the Arlington Plant certified welders include E. G. Olson, C. E. Hess, C. A. Long, H. R. Ingle, R. L. Kelly, and C. Fox. At Falls Church, they are D. Moriarity, K. C. Compton, and G. H. O'Neil.

RARELY SEEN is a picture such as this: Melpar space unoccupied. That unlikely state of things didn't last long: at press time the move was on, with ease born of practice. Officially dubbed "Columbia Pike No. 3," the 20,000-foot area will house Arlington Division's 101-B Simulator assembly. photo by Tatroe