MELPAR-A-GRAPH

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

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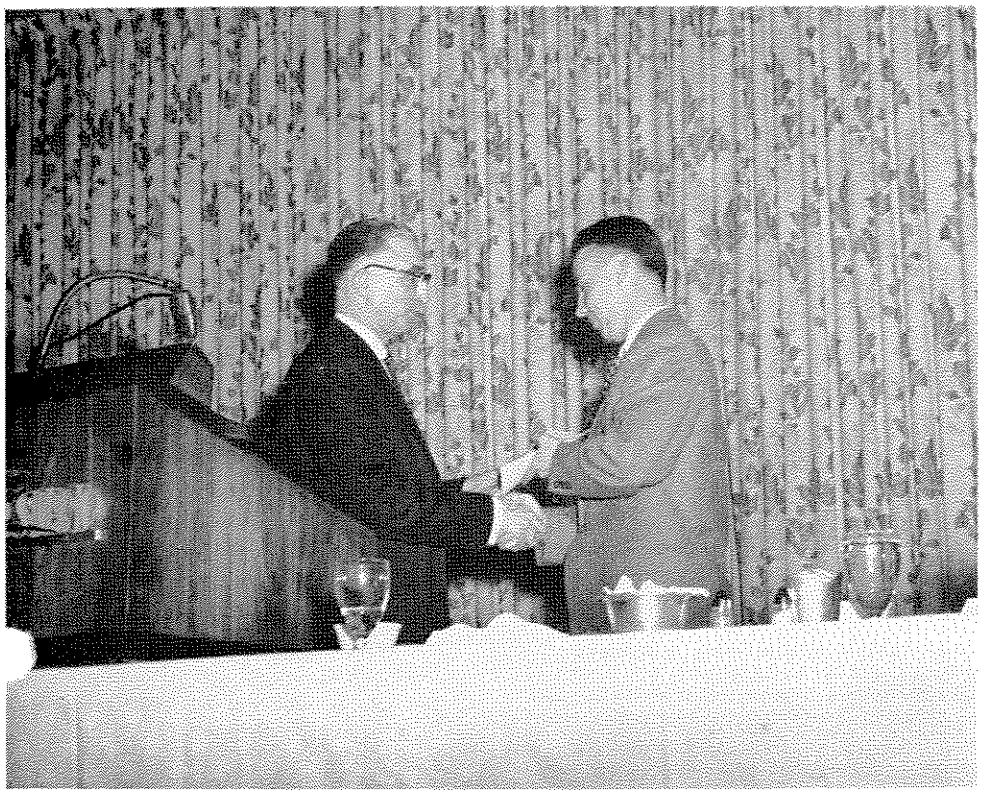


CITED for outstanding ability in the performance of research and for achieving a high-level of administrative responsiblity at the age of 35, Project Manager K. S. Kelleher accepts The National Capital Award for professional achievement from Undersecretary of Labor James T. O'Connell.

JUPITER C CARRIES MELPAR BEACON

As the Jupiter C missile carrying Explorer left the launching pad a Melpar built radar tracking beacon (AN/DPN-48) located in its second stage provided data on the location of the satellite carrying rocket. The beacon, supplied under contract to the U. S. Army Signal Corps Engineering Laboratory, receives signals from a ground radar set and retransmits to the radar so that reliable tracing of the missile's course can be obtained.

An outgrowth of the AN/DPW-9, an early Melpar developed Secure Control Beacon, work on the AN/DPN-48 was started in mid-year 1956, the first delivery being made at Christmas, 1956.

August, 1957 three units were de..vered to Redstone Arsenal for the Jupiter missile.

The AN/DPN-48 is also used in the Vanguard missile and was recovered after both firings of the Vanguard. The beacon recovered after the first firing, buried deep in the sands of Cape Canaveral, was found to be in operating condition with no repairs required. The beacon from the second Vanguard missile was recovered from water, and no attempt was made to determine if it was operative.

Present at the launching of Jupiter C was Junior Engineer J. O. Pennington, of Project Engineer Dana Gumb's group. Pennington, who provided service for the beacons at the launching site, described the excitement as one whoop when the missile left the pad and one whoop when it was announced that Explorer had orbited.

Though a royal celebration might have been expected, following an event of such magnitude, the fact is that the engineers, tech reps, and service personnel crowding the blockhouse wanted only sleep after their driving, day and night effort to ready the huge 'bird' for flight.

KELLEHER HONORED FOR SCIENCE WORK BY DC SOCIETIES

Singled out as "the outstanding young applied scientist" of the Washington area, Melpar Project Manager Kenneth S. Kelleher received a Professional Achievement Award in a presentation marking the third annual observance of Engineers and Architects Day by a group of Washington area professional societies.

Chosen from among 24 nominees put forward by the industries and governmental agencies of the area, Mr. Kelleher joined Paul V. Freese of the Government of the District of Columbia, named "the outstanding young engineer," as guest of honor at a luncheon held February 21 in the main ballroom of the Willard Hotel. The presentation of awards was made by James T. O'Connell, Undersecretary of Labor.

Sponsoring societies for the event included the D. C. Council of Engineering and Architectural Societies, The Washington Academy of Sciences, The Washington Section of The Institute of Radio Engineers, and The D. C. Society of Professional Engineers. Ralph I. Cole, Melpar Manager of Military Project Planning, served as General Chairman of the program.

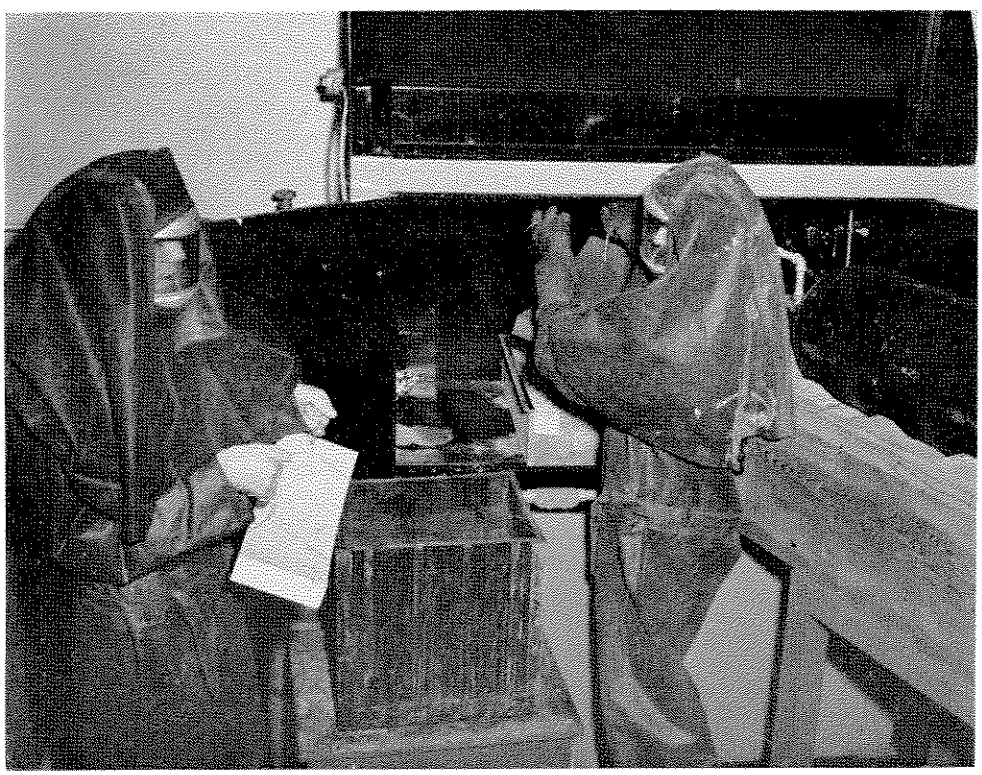
MELOY HEADS MIT AREA CONFERENCE

Melpar President Thomas Meloy is serving as Chairman of a Regional Conference surveying "The Outlook For Science In America," sponsored by Massachusetts Institute of Technology and the M. I. T. Club of Washington on March 1 at the Shoreham Hotel in Washington.

Principal speakers at a dinner climaxing the day-long program will be Dr. Julius A. Stratton, Acting President and Chancellor of M. I. T., and Dr. James A. Killian, Jr., Special Assistant to the President of the United States for Science and Technology.

Wherever You Go ... They Send You

A TICKET TO SHEBOYGAN, a single with bath at the Hotel DePlush, or a car rental in Ottumwa . . . you name it, they arrange it. In the foreground Nancy Bound, and in the background Lois Smith and Sheila Adams of the Falls Church Reservations Office route Melpar people to all points of the compass.



IF YOU KNOW WHAT YOU'RE DOING and have the tools to do it with, temperamental chemicals can be kept under stern discipline and will do the job your way—safely. Thoroughly encased in heavy rubber protective clothing, Chemical Technician Assistant Bill Martin at left and Chemical Technician Bob Piedmont are shown operating the sodium ammonium treating facility at Falls Church.

Getting Melpar travelers where they want to go, when they want to go is the responsibility of Melpar's Reservations offices. Located at the Falls Church, Alexandria and Boston plants, the offices not only handle travel by air, rail and bus but also make arrangements for lodgings at the destination and, where needed, car rentals. Given an itinerary and a little time, Sheila Adams, Lois Smith or Nancy Bound of the Falls Church Plant, Lorraine Brown at Boston or Laverne Farmer of the Operations Analysis Department will take over and arrange all the necessary details.

Working closely with all major airlines and railroads the Reservations Clerks last year issued tickets for travel of over four million miles. Melpar men were dispatched to almost every state in the union and to various foreign points. Arrangements were made to return from Naples, Italy a Melpar engineer who completed a Navy assignment at that port. The largest single operation involved transporting and lodging eighty Melpar people whose destination was Fort Worth, Texas.

That effort called for the mass flig... of personnel detailed to install the first GIRDHS system shipped to Convair just before Christmas.

TECHNIQUE OF BONDING TEFLON TO METAL AIDS ANTENNA USE

Successful use of a chemical process which makes "Teflon" amenable to bonding to metal surfaces with conventional adhesives makes it possible to extend our use of this versatile material, particularly in antenna designs for very high altitude, very high speed applications.

The Chemistry Laboratory at Falls Church now is able to alter the slippery surface of "Teflon" by immersion in a bath of sodium metal and liquid ammonia under controlled conditions; the resulting chemical reaction has no effect on the dielectric property of the material, nor on its ability to withstand extremes of temperature.

Several hundred specially formed blocks of quartz-filled "Teflon" are being so treated by Chem Lab personnel before being shipped to the Arlington Plant for assembly. The process requires careful observance of safety precautions and the use of hood-ventilated stainless steel tanks.

Production Printed Circuit Facility Added At Arlington

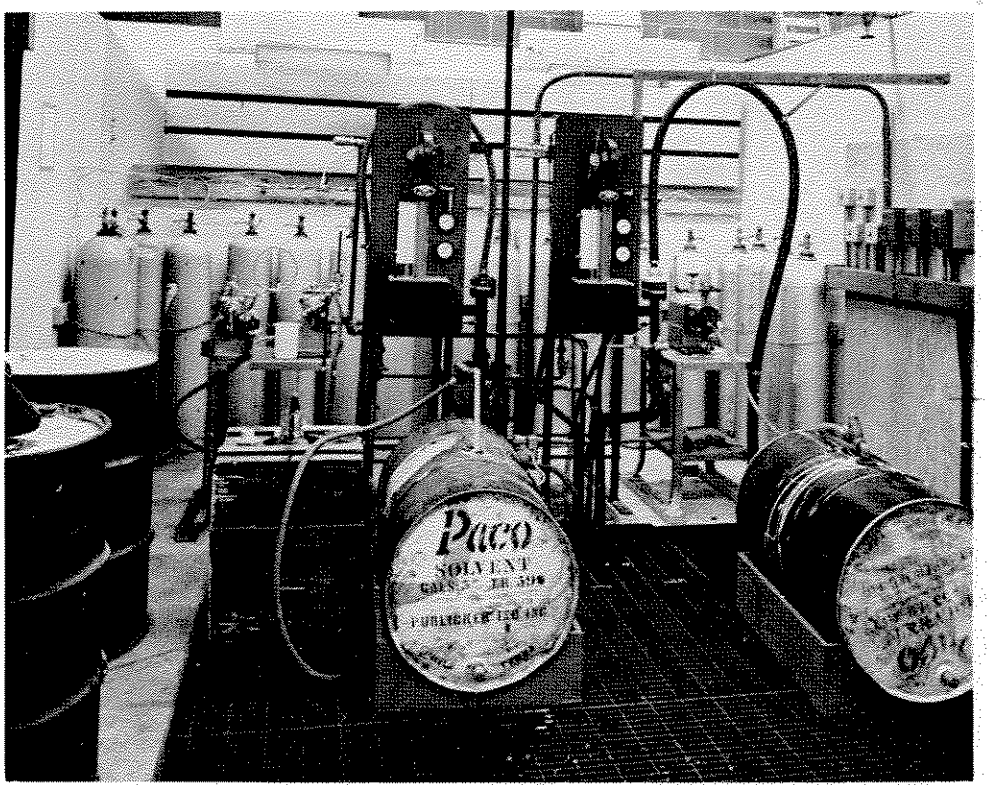
Expansion of Melpar's printed circuit and silver plating facilities to include production as well as existing laboratory operations has been completed. Arlington Plant is now ready to handle volume demands for solder-plated circuit plates with nickel-rhodium plated contact bars, and solder-plated or non-plated printed circuits.

A major portion of the printed circuit production will be for the B-58 and Simulator programs, while the silver-plating facilities will serve all projects now at Arlington.

Plans for the establishment of a production printed circuitry facility were initiated last June when Manufacturing Manager W. P. Stephens and his staff, along with Section Head Dr. P. E. Ritt and his Chemical Engineering Group began the designing and the preparation for the installation of facilities.

The Chemical Engineering Branch, ...ded by Supervisor John Riley, prepared specifications and recommended the types of equipment to be used in the plated circuit, silver-plating and waste treatment processes, while Mr. Stephens' group, with Maintenance and Purchasing, began making arrangements for the plumbing, ventilation and electrical installation.

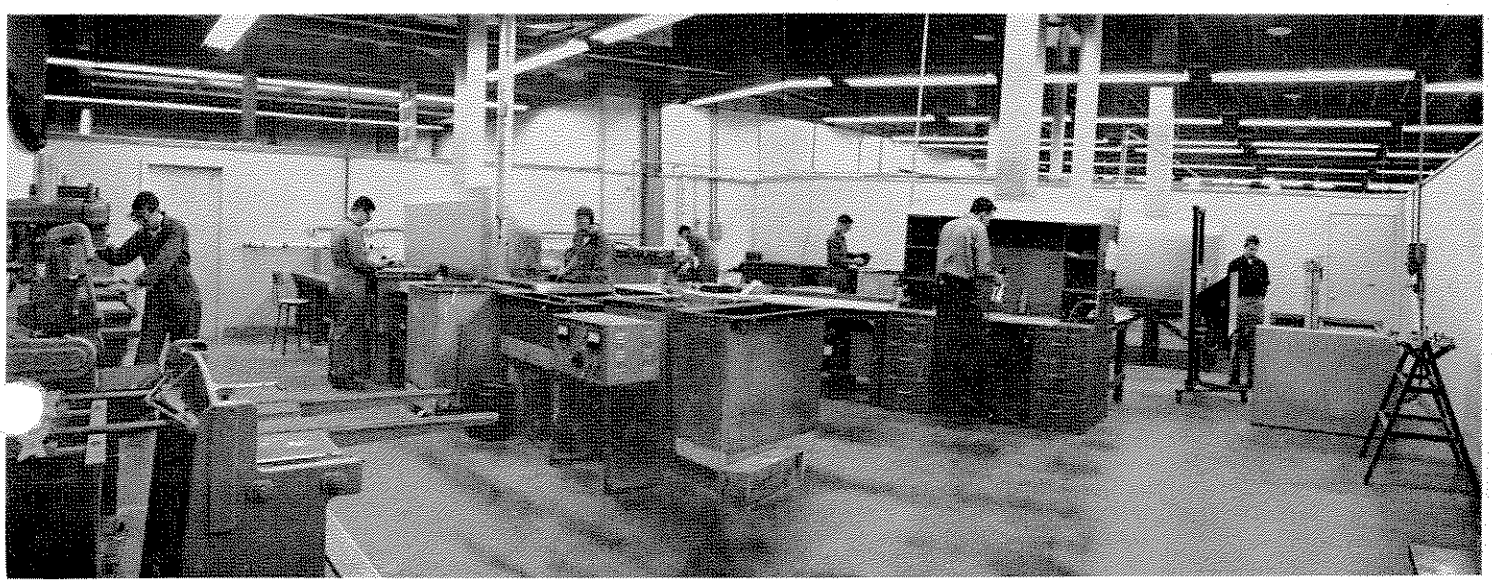
In September the Personnel Department was given the go-ahead to hire employees for each of the new facilities. The new employees were trained as a group in the Chemistry Lab, Printed Circuit and Electro Plating Sections at Falls Church. Each new person in the group was assigned to work with an experienced employee to learn the intricacies of each operation and to become proficient in the processes now being performed at Arlington. After a brief transition period, the facility will be turned over to Foreman Walter May of the Finishing Section of the Sheet Metal Shop.



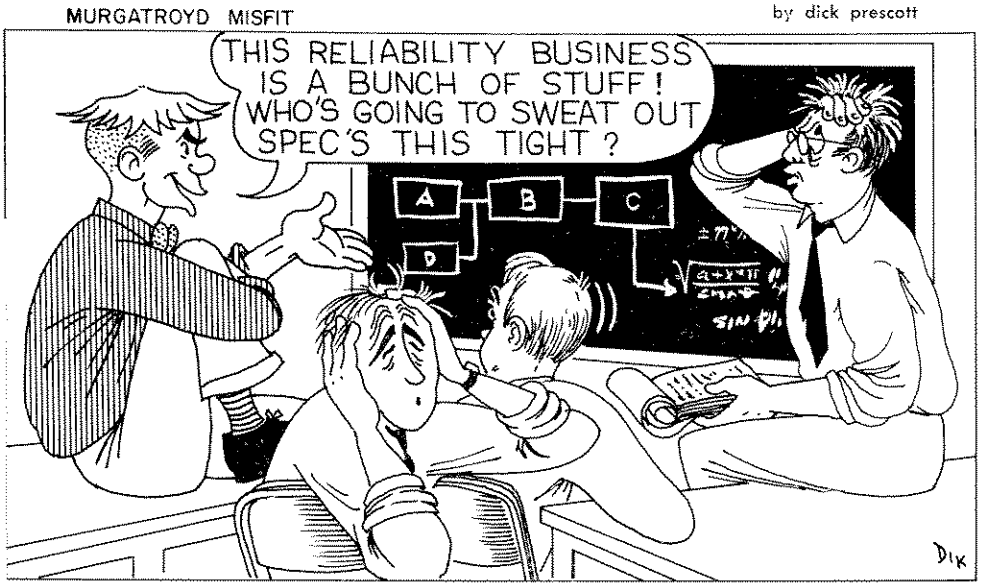
Initially the printed circuit facility is prepared to process 100 printed circuit modules per day for the B-58 program, and as the need arises the production can be stepped up to 170 or more units per day. Simulator's printed circuits, which do not have "printed around" edges, can be processed in 24″ x 24″ sheets at an even faster rate than the Convair boards.

Silver plating will be used for the treating of waveguides and other types of copper-based configurations, and will be able to handle items up to 24″ x 30″ x 30″.

The waste treatment processes and renders harmless all the chemical wastes from the printed circuitry, photonameplate, electro plating, dip brazing and aluminum finishing operations at Arlington. A semi-automatic treatment process designed primarily to handle chomium, cyanide and acid-alkali wastes from the various facilities, the facility can handle at least 360 gallons of waste per hour.



MURGATROYD MISFIT by dick prescott



Better you, Murgatroyd, than a pilot. You have more time.

GOING UP!

W. O. Puro

C. K. Craggs

A. C. Angelos

The promotion of W. O. Puro to Section Head recently was announced at Falls Church. Mr. Puro joined the Company in July, 1952 as an Engineer; he rose to Senior Engineer in 1953 and to Project Engineer in 1955.

C. K. Craggs, formerly Manager of Project Services at Falls Church, has been appointed Director of Purchasing in the Northern Virginia Area, responsible for both Open Market and Subcontracting activity. Prior to joining Melpar in 1952, Mr. Craggs served for some years as Manager of Purchasing of the Maxson Corp. in New York.

Appointed Manager of Project Services at Falls Church is A. C. Angelos, who joined the Company in October, 1957 as Staff Assistant to Project Manager J. L. Clark. Mr. Angelos previously had been Chief Project Product Engineer for Farnsworth Electronics.

Executive Vice President E. M. Bostick has announced the appointment of R. Brandon Marsh to the post of Staff Assistant to Vice President A. C. Weid. In addition to his new duties, Mr. Marsh continues his supervision of Office Services, Maintenance, Transportation, and Falls Church Receiving and Shipping.

BXR promotions include: Project Engineer J. E. Fleming; Assistant Project Engineers C. H. Thrall and T. W. Nelson; Engineering Assistants A. T. Chason and J. B. Lynch; Planners D. E. Helton, J. R. Hurd, and R. G. Cornell; Mechanical Technician Lead Man W. G. Wells; Wire Technician Lead Man J. W. Platt; Junior Engineers C. L. Wade and S. P. Tsakos; and Maintenance Man F. J. Klenofski.

Arlington Plant promotions include: Senior Engineer J. R. Baldwin; Industrial Engineering Supervisor J. D. Wingfield; Senior Industrial Engineer J. M. Ryan; Senior Methods Engineer N. J. Hogge; Senior Mechanical Technician Leadman W. B. Steele; 1st Class Light Assembly Task Leaders M. J. Ronquest and H. L. Kennebrew; Junior Planner A. G. Melton; 1st Class Heavy Assemblers B. L. Hurley, R. G. Chilton, and R. W. Chapman; Final Inspection Foreman W. Armentrout; 1st Class Light Assembler B. A. Thompson; and Shipping and Packing Leadman J. J. Tychinski.

At Alexandria, promotions include: Senior Engineer H. G. Moser, and Senior Technician R. W. Cox. At Columbia Pike, H. M. Fernandez and E. M. King rose to Junior Engineer.

Falls Church promotions include: Project Engineer R. C. Jones; Senior Engineer W. P. Tuck; Assistant to Chief Expediter J. J. Shanahan; Buyer T. F. Loughry; Technical Writing Assistant Supervisor T. R. Davis; Technical Staff Assistants to the Chief Engineer J. J. Turtora and S. J. Campanella; Engineer G. Hall, Jr.; Junior Engineer T. H. Skerl; 1st Class Wire Technicians C. P. Flynn, T. N. Huff, and C. G. Bobinski; Senior Technician R. R. Bennett; Junior Planner L. K. Peetom; Central Files Group Leader D. Bennefeld; Junior Engineering Assistant R. E. Young; Electrician W. Grebe; Accounts Pay[illegible] Group Leader W. E. McKnew; Person[illegible] Records Supervisor R. O. East; Senior Personnel Clerk Olga Gianzanti; Packing Planner J. H. Myers; and Secretary B. A. Greaves.

VOLUNTEER CATERERS AID STORM-STRUCK CAFETERIA

Faced with the problem of feeding a surprising number of hardy souls who were able to report to work during the heavy snow of Monday, February 17, Falls Church Cafeteria Manager A. Masters found herself short handed and immediately issued a call for help to Director of General Services R. B. Marsh.

Responding in addition to Mr. Marsh, were Personnel Director J. T. Lafrank, Director of Engineering Services J. P. Chambers, Captain of the Guards W. Rogers, Purchasing Agent J. J. Rooney, and Maintenance Supervisor J. M. Barnes.

Helen McCarthy, Vivian Helmick, Lawrence Myers, Lars Michelson, and Bernard Tyler were among many who manned steam tables, dishwashers, pots and pans to make sure everyone was fed.

At Arlington, Assembly Supervisor Omer Kennel and Clerk-Typist Geneva Corny took charge of the Cafeteria food carts dispatched through the storm and around the traffic.

It was very apparent, as the hour of demand drew closer, that either drastic measures had to be taken or the spectre of hunger would stalk the halls of Falls Church. The call was answered. After all, eating is serious business.