MELPAR-A-GRAPH

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

Volume 5, Number 7 July, 1960

Several New Contracts Received by Company

MELPAR GROUP TOURS SCIENCE EXHIBIT . . . five Melpar representatives, including President Thomas Meloy and Chief Engineer R. S. Butts, were among those in attendance at the Signal Corps Science Exhibit held at Fort Monmouth, N. J. on June 24. From left to right, they are: Engineering Services' Manager of Military Project Planning R. I. Cole, Engineering Services Consultant G. O. Kurtz, President Meloy, U. S. Army Research and Development Laboratory Senior Development Engineer Amory H. Waite, Jr., Engineering Services Representative R. C. Davis (stationed at Fort Monmouth) and Mr. Butts.

Since the last issue of the MELPAR-a-graph, several of Melpar's diversified engineering and production facilities have received sizeable and important military contracts. Here are some of the contracts:

Melpar's Simulation and Training Systems Laboratory of the Data Processing and Support Systems Department has been awarded a $417,347 contract to design and fabricate three trainers for the Bullpup Air-to-Surface Missile, GAM 83 A/B.

The ground trainers are being developed to allow pilots of aircraft equipped with the Bullpup to practice guidance and control of the missile—thereby increasing their efficiency—through simulated launchings. Project Engineer H. R. Gary of the Simulation and Training Laboratory is directing the program.

Melpar's Radiation Systems Laboratory has been awarded a contract by the Air Research and Development Command's Special Weapons Center, Kirtland Air Force Base, New Mexico, to design, develop and test an experimental Tri-Polar surface burst fuze.

The $97,600 program will be directed by Project Engineer H. E. Culver.

The Directorate of Procurement and Production at Rome Air Material Area, Rome, N. Y., has awarded a $200,000 Air Force contract to Melpar's Ground Data Handling Equipment Laboratory to develop ground support equipment for the Finder system.

The job has been assigned to F. M. Michel's section of the GDHE Lab.

Company Shifts Incorporation From New York to Delaware

On July 5, Melpar, Inc. shifted its state of incorporation from New York to Delaware, Executive Vice President and General Manager E. M. Bostick announced recently.

The purpose for reincorporating the Company in Delaware, according to Mr. Bostick, was to obtain advantage of the Delaware laws, which, among other things, permits annual stockholder meetings to be held outside the state of incorporation.

Melpar has been a New York corporation since 1944.

The change does not affect the business or operations of the Company. There is no change in name, address, directors, officers, contracts, properties, assets or liabilities, except for a change in the capital stock structure.

Effective July 5, all future references made to the state of incorporation of Melpar shall refer to the state of Delaware.

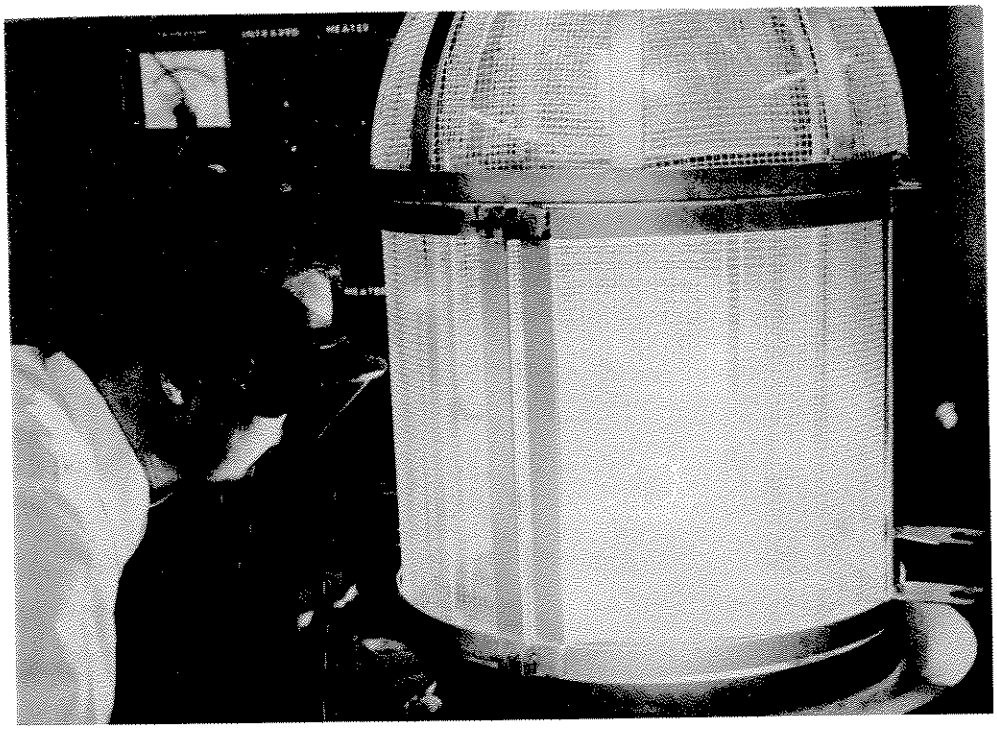
Global Navigation Display Featured in Magazine

Melpar's Global Navigation Display is featured, along with a similar device developed by IBM, in an article in the July 11 issue of "Aviation Week and Space Technology" magazine.

Move Slated for September

Construction on Melpar's new 120,000 sq. ft., three-story Falls Church annex is continuing on schedule, according to General Services Director R. Brandon Marsh, and some of the Company's service groups will begin moving into the new structure in early September.

The $2.4 million Annex is being built by the George A. Fuller Company.



SHADES OF BUCK ROGERS . . . Junior Chemical Engineer V. W. Townsend of Melpar's Physical Sciences Molecular Electronics Research Group is wearing protective goggles to shield his eyes from the extremely brilliant light generated by an electron beam gun being used to melt a ½ cubic-inch block of Rhenium at the Falls Church plant. The beam gun—as ardent Buck Rogers fans learned years ago—concentrates electrons in a small area and produces heat powerful enough to melt any material known to man. By melting Rhenium in the vacuum chamber (above) the researchers are able to obtain—through the evaporation process—ultra-pure thin film deposits of the material. The thin deposists of Rhenium—a material that melts at 3500° K—are being used in microminiaturization conductivity studies by the Research Group.

Photo by Meinke

DENNIS THE MENACE —Hank Ketcham

Melpar Capital Stock Registered with S.E.C.

On July 29, Melpar filed a registration statement with the Securities and Exchange Commission covering 217,000 shares of capital stock. Melpar proposes to offer the holders of outstanding common stock of Westinghouse Air Brake rights to subscribe for the new stock at the rate of one new share of Melpar capital stock for each 20 common shares of Westinghouse Air Brake Company. It is expected that the subscription period will run from a record date of September 9 to September 26.

Until now all capital stock of Melpar has been held by its corporate parent and never has been traded on any market. After the offering, Westinghouse Air Brake will own approximately 91 percent of Melpar's outstanding stock.

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Employees Repaid $6,158 for Studies

From May 1 through July 5, Melpar has reimbursed 173 employees a total of $6,158.90 for education courses taken under the Company's Tuition Reimbursement plan during the 1960 Spring semester.

A few Spring semester reimbursements are still being processed for payment. Melpar pays 50 percent of the cost for all successfully completed approved courses in a scientific or technical field.

Personnel reports that 32 employees are engaged in summer courses under the Company sponsored reimbursement plan. Registration for Fall In-plant courses will be held in early September.

New Products Corner

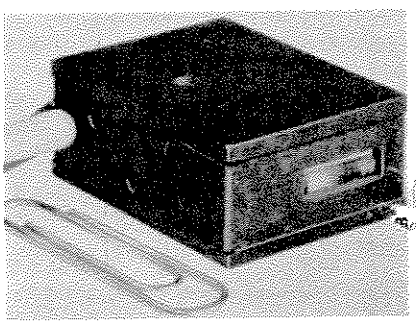
(This is the fifth in our series of reports on new products being marketed by Melpar's Special Products Department.)

PHOTOELECTRIC READER*

Melpar's new miniaturized Photoelectric Reader is a versatile, self-contained and compact photocell-light combination for detection of incremental variations in reflected light intensity.

The compact unit utilizes a revolutionary single lens—eliminating lens alignment required in conventional systems — which makes it readily adaptable to small, limited access areas. Total weight of the Reader, Model 100, is one ounce.

The Photoelectric Reader may be used as an input to control operation of counters, relays, solenoids and signal lamps. It is also adaptable for position control, color discrimination, counting, cueing and sorting by number, color or shade.



*U. S. Pat. No. 2,920,209

SPECIFICATIONS ANALYSIS . . . Supervisor Douglas S. Price (standing, center) checks contract specifications with Junior Specifications Engineer James Kratzer at the Falls Church plant. Junior Engineering Aid Alice Bannon issues a specification from one of the Section's specifications libraries.

Melpar's Specifications Group One of Many Engineering Services

The Specifications Group of Melpar's Technical Services is an example of the many technical and service groups that have been established primarily to assist the design, development and production engineering within the Company.

Headed by Supervisor Douglas S. Price, Specifications—among other things—analyzes proposals and contracts for specifications content; interprets specification requirements; writes specifications; confers with project groups on specification matters; and administers specifications libraries containing over 20,000 military specifications and related documents.

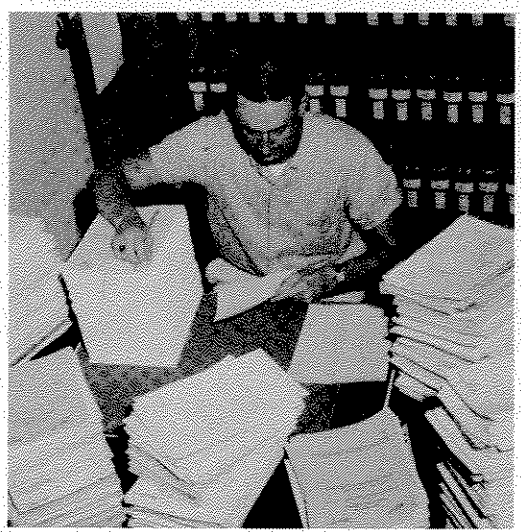
The Group's analysis of proposals and contracts enables Melpar to identify and understand all of the requirements imposed directly or indirectly by any given contracts' specifications. Once these requirements have been identified, discussions with the cognizant project engineering groups are held to reach mutually satisfactory interpretations.

This process assists the Company and its project groups in evaluating the task accurately and, also, in fulfilling contractual obligations to the customers satisfaction at minimum cost and in the shortest possible time.

Mr. Price's group writes specifications covering items ranging from detail articles (such as resistors, connectors and plastics) to highly complex electronic systems.

Specifications' central group is located at the Bailey's Crossroads plant, with satellite units in the Falls Church and Leesburg Pike plants.

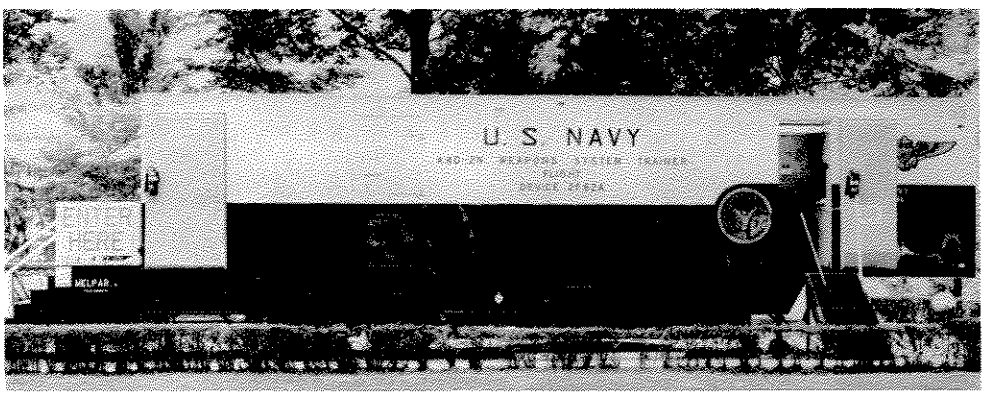
Specifications is only one of the Technical Services. Others include Engineering Standards, Reliability, a Data Unit and a large engineering Library—all of which offer a multitude of technical services to the Company's engineering functions.



PILED HIGH . . . Engineering Aid James A. Michaels is shown processing the large volume of incoming specifications at the Bailey's Crossroads plant.

SPECIFICATIONS ENGINEER . . . Furman Ammons (right) discusses a military standard reference designation with fellow Spec. Engineers James L. Mooney and C. Scott Bailey at the Leesburg Pike plant.

Photos by Norton



MELPAR BUILT NAVY SIMULATOR EXHIBITED AT MIL-E-CON . . . the first production model of the Melpar built A4D-2N Weapons Systems Trainer was put on public display by the Navy for the first time at the Military Electronics Conference held at the Sheraton Park Hotel in Washington, D. C. recently. The above photo shows the simulator in its position on the Sheraton Park grounds. Several Melpar personnel assisted the Naval Training Device Center's representatives at the exhibit, some of whom posed for the top photo. From left to right they are: Calvin Patton—Area Representative for the Naval Training Device Center; Ray P. Fox—Regional Representative for NTDC; W. N. Conway—NTDC Field Service Engineer; Ralph Littell—Melpar Engineer; G. C. Norton—Chief Placement Officer for NTDC; Pierce B. Day—Melpar Engineer; and George D. Smith—Melpar Senior Engineer. The production model of the A4D-2N was built at the Columbia Pike Production Department under the guidance of Project Engineer M. E. Hill. Melpar's Special Products Department also exhibited its new line of products at the convention.

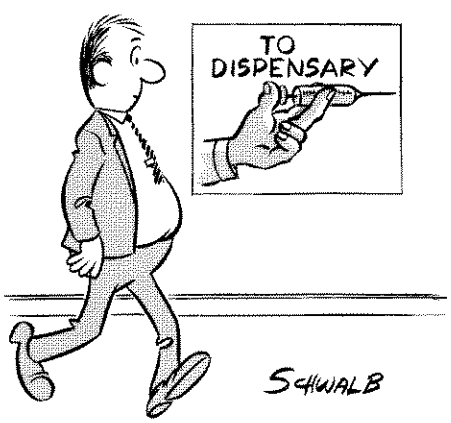
Photos by Sakamoto

S. Benford to Manage New West Coast Office

S. M. Benford

Melpar's Engineering Services Director J. P. Chambers has announced the opening of a new West Coast Office in Beverley Hills, California. Mr. S. M. Benford has been appointed Manager of the new office.

Mr. Benford joined Melpar as an Engineering Services Representative in 1954. He formerly served as a Commander in the U. S. Navy and is a 1940 graduate of the University of Florida.



Commendation Given Melpar Antenna Work

Melpar has received a letter from the Ford Motor Company's Aeronutronic Division, Systems Manager for the Air Force's Hypersonic Environmental Test System 609A, praising the Company's antenna engineering performance in regard to the development of three antenna systems for the 609A Ballistic Missile.

The letter, written by Aeronutronic's Antenna Group Staff Member H. J. Katzman, states:

"As the HETS-609A Antenna Project Engineer here at Aeronutronics, may I at this time personally thank all concerned with the prompt, efficient and excellent engineering job performed on the subject antenna systems.

"In this regard may I commend Mr. Frank X. Linder (Melpar Senior Engineer) for his close support in the engineering design and liaison during the past year."

The three antennas developed for the program by Melpar were of the telemetering, command destruct and C-band types. They were scheduled for delivery in September but were delivered in May, four months ahead of schedule.

GOING UP!

Recent promotions include G. L. Germon, C. E. Trevathan, N. T. Jeffries and C. E. Isbell to Senior Engineer. Also promoted to Senior Engineer are J. M. Sessoms, J. R. Haske and L. A. Shinn.

W. C. Stribling and C. Della-Mea advanced to Engineer. K. K. DeLoatche and R. R. Ciehoski were promoted to Junior Engineer.

J. F. Wells advanced to Time Inspector, M. E. Ray was promoted to Technical Writer and F. S. Mason rose to Engineering Assistant.

R. A. Deisher advanced to Junior Planner and M. F. Ketchem and D. R. Hofe were promoted to Planner. B. W. Jackson and E. T. Wilfong rose to Secretary and G. F. Morgan advanced to Senior Technician.

C. A. Frum and G. N. Bech were promoted to Technician.

Keep a Watchful Eye

We have been asked by several contracting officers to caution employees against filling out questionnaires from non-official sources soliciting technical information. Seemingly "harmless" questionnaires are circulating throughout the country and are a menace to security. All such questionnaires should be referred to Security Director E. M. Lane.