MELPAR-A-GRAPH

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

Volume 5, Number 4 April, 1960

System Analysis Groups Awarded Contract

Melpar Receives Commendation

On this page of the MELPAR-a-graph is reproduced a letter of commendation which is self-explanatory. It is, of course, always gratifying to receive such letters, but they should in no sense contribute to any feeling of complacency at Melpar.

The facts are that the Government is demanding better equipment for less money in a shorter time. If Melpar does not supply such equipment, we may rest assured that somebody else will. The reasons for all this are not complicated. First, the Government representatives are on the job to see that the Government gets its money's worth. Second, Uncle Sam is short of money and is not throwing any around these days.

Competition is getting tougher all the time. It would seem well, then, not to rest on our laurels but simply to learn from this letter of commendation that a good job can be done. The welfare and the very existence of the Company depend upon our wholehearted continued effort.

E. M. Bostick
Executive Vice President
and General Manager

HEADQUARTERS
DAYTON AIR FORCE DEPOT
UNITED STATES AIR FORCE
GENTILE AIR FORCE STATION, DAYTON 20, OHIO

REPLY TO ATTN OF: MDPEE-31 (31-333-314) 14 Mar 1960

SUBJECT: Contract AF33(604)20523

TO: Mr. E. M. Bostick
Melpar, Incorporated
3000 Arlington Blvd.
Falls Church, Virginia

1. As required by contract schedule on 29 February 1960, Melpar delivered its first prototype ALD-4 to the Air Force. Normally, it is not considered necessary or appropriate to commend anyone for performance in accordance with the contract schedule. However, for many reasons, we think Melpar's performance has fully justified the confidence the Air Force has placed in them in selecting Melpar to produce the ALD-4.

2. Melpar's delivery of the prototype ALD-4 must be regarded as the planned results of good management, unselfish perserverance, hard work, and a solid determination to meet the delivery date established.

3. Congratulations are extended to Melpar management and its personnel for their determination to succeed, and a job well done. The continued display of this spirit will result in the timely and successful completion of this program.

ROBERT L. SALZARULO
Colonel, USAF
Director of Procurement
and Production

Copy to:
Melpar P. O. (Mr. Clark)

Melpar's System Analysis Groups has recieved a 204,000 dollar contract to produce an engineering design of a Topographic Data Reduction and Presentation System for the U. S. Army Engineer Research and Development Laboratories, Fort Belvoir, Virginia.

This system will be designed to rapidly and accurately index, evaluate, compile, revise, store, display, reproduce and transmit topographic data for military operations. The system will also be able to locate or determine the coordinates of topographic features which are designated as military targets.

The contract also calls for the Company to make a continued search for the latest developments of non-topographic equipment or techniques which may have application to a Topographic Data Reduction and Presentation System. Senior Member A. S. Cosler of the System Analysis Groups, who has been assigned project responsibility for the contract, requests that anyone having or acquiring information of this nature within the next 17 months should contact him at extension 4716.

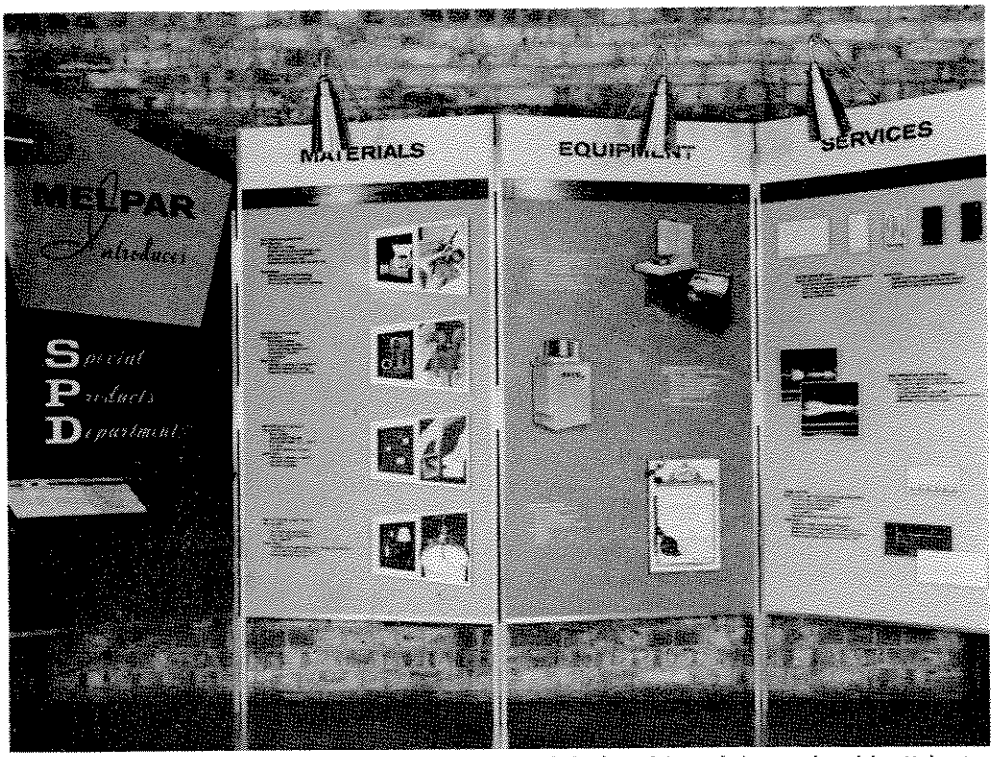
The System Analysis Groups, formerly the Technical Staff, was recently redesignated and put under the direction of Manager Frank Browne. System Analysis is composed of two sections headed by Supervisors M. M. Risdon and A. E. Kerby.

Mr. Risdon's section is primarily engaged in the systems tie-in on the Silver King project and is working on the Flight Test Data Processor. The section is also working on the FIX Location Techniques study.

Mr. Kerby's section is working on the Voice Data Processing System, the ALD-4 program and is lending support to the Physical Sciences' molecular electronics program. The group is also engaged in the system design support for Project Finder.

Tuttle Gives IRE Talk

Senior Engineer L. P. Tuttle of the Antenna Laboratory was guest speaker at a meeting of the IRE's North Carolina Sub-Section in Raleigh on March 11.



SPECIAL PRODUCTS IRE EXHIBIT . . . This large four-panel display of items being marketed by Melpar's Special Products Department was exhibited in connection with the 1960 IRE International Convention in New York City on March 21-24. The Department also showed the Mini-Mech film and gave demonstrations of the new Photo-electric Reader. Photo by Norton

New Offices Occupied By Special Products

Melpar's Special Products Department recently moved into new offices on the main level of the Falls Church plant and has been engaged in several significant activities that make it one of the Company's promising new departments.

Members of the Department recently returned from the International IRE Convention in New York where they introduced and displayed some of the Company's products and services.

Manager E. H. Bradley reminds employees that suggestions for new products are welcomed by the Department. Anyone with suggestions for new products is asked to call extension 2184.

Physical Sciences Members Present Report at Meeting

Messrs. D. M. Macarthur and F. H. Zegel, Supervisor of the Chemistry Branch and Physicist, respectively, of Melpar's Physical Sciences Laboratory were guest speakers at the Spring Meeting of the Optical Society of America, held in Washington, D. C., on April 7.

The two men presented a report on "Evaluation of Modified Commercial and Camera Spectographs Leading to a High Aperature Miniaturized Design."

Melpar Manager, Asst. Win Contest Awards

The Manager and an Engineering Assistant from Melpar's Physical Sciences Laboratory recently won first and third prize in a contest on engineering management which was sponsored by the Professional Group on Engineering Management of the Washington Chapter of the Institute of Radio Engineers.

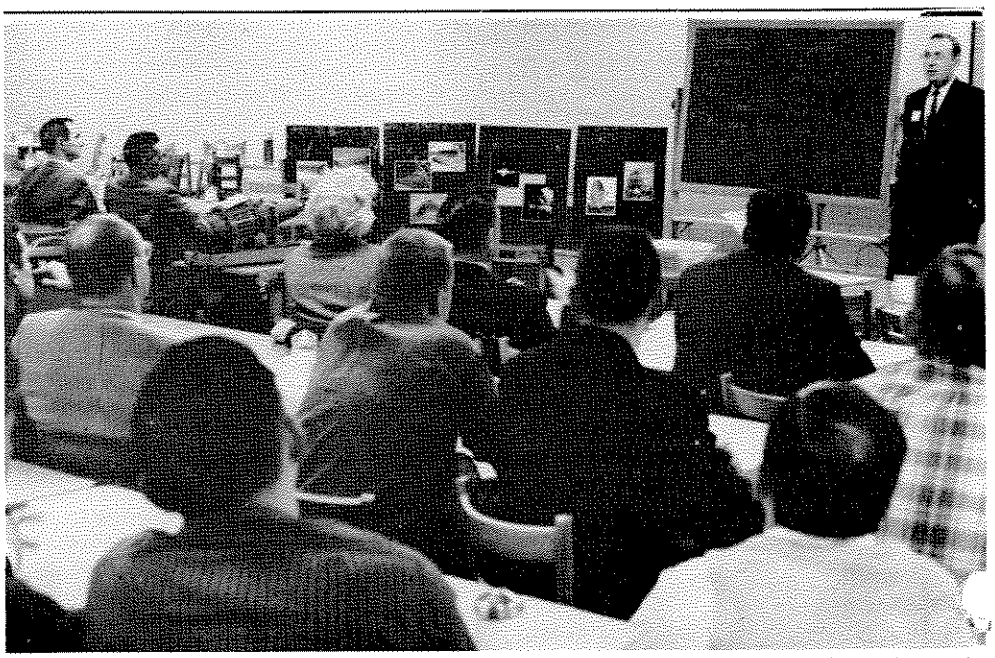
Dr. Paul E. Ritt, Lab Manager, won the 100 dollar first prize for his paper on "Problems the Engineering Manager Will Face in the Next Decade." Engineering Assistant W. J. Watson won the 25 dollar third prize for his entry on the same subject.

Second prize was awarded Mr. John C. Geist, Associate Director of Vitro Laboratories in Silver Spring, Md.

Judges for the contest were: Dean M. A. Mason, School of Engineering-George Washington University; H. L. Vincent, Jr., partner-Booz, Allen & Hamilton; and Adm. Rawson Bennett Chief of Naval Research.

Department Name Changed

Melpar's Arlington Production Department which recently completed its move into new quarters on Hardin Street has been redesignated as the Hardin Street Production Department, according to Manager L. Brown.



EVENING TECHNICAL LECTURE . . . Project Engineer W. G. Scott is shown during his audio-visual presentation of the "Antennas for the Spage Age" technical lecture held in the Falls Church cafeteria on March 17. Mr. Scott, by using slides, photos and models, gave a graphic portrayal and explanation of the many different antennas being developed in Melpar's Antenna Laboratory. Over 250 Company employees have attended the first three lectures which are intended as semi-technical discussions of current developments in various areas of the Company. The lectures are open to all employees. Photo by Hallahan

MELPAR-a-graph

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Editor..... J. W. Jackson—Ext. 2182

Melpar Simulator, Field Engineers Improve International Relations

Melpar has a public relations show stopper in England: the F-101A Flight Simulator that keeps Voodoo pilots of the 81st Tactical Fighter Wing proficient and ready to leap off on a moment's notice to defend the Free World.

Although the simulator is located in a concrete building in a quiet corner of Bentwaters Royal Air Force Station—nest of the only tactical Voodoo strike in the Air Force—its quarters are a star attraction for visitors.

Last year the simulator, its eight crewmen and the two Melpar Field Service Representatives stationed with the equipment played an important role in helping to earn first place for the 81st Wing in the American Ambassador's annual community relations award contest among all American bases in the United Kingdom.

More than 600 Britons who toured the facility between July and December 1959 were impressed with the quality of the equipment and the technical knowledge played by the crewmen.

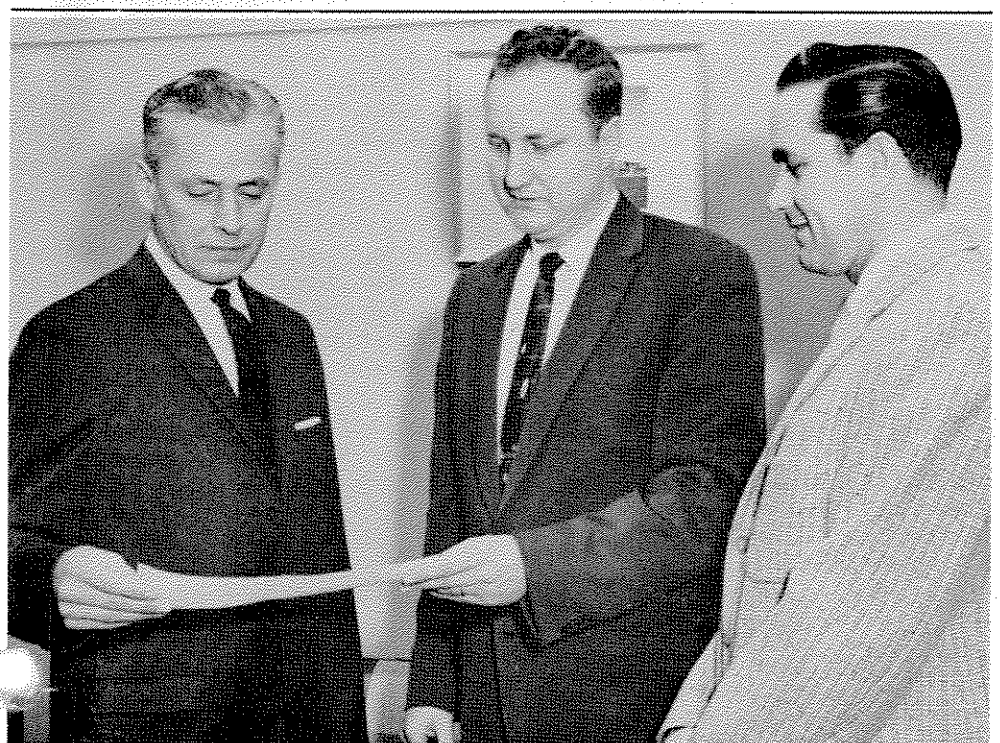
The Melpar simulator has become a "must see" for all visitors to Bentwaters. And the visitors themselves have become a novel means for simulator crewmen to put into actual practice President Eisenhower's Person to Person program designed to improve international relations.

Forty-five parties of visitors who toured Bentwaters during the last six months of 1959 included British general officers, mechanical engineers, councilmen and women of East Anglican cities and towns, school teachers and curious individual cyclist down from Scotland.

During the course of a tour the simulator is saved until last—a sort of punchline. It usually leaves visitors bug-eyed. This in itself is unusual since the average Briton is very reserved in manner. But, reportedly, eyes sparkle and questions fly thick and fast once they have been exposed to the banks of flashing red and green lights and simulator sound effects.

As suggested by Capt. John J. Taylor of the 81st's Office of Information, Melpar Field Service Representatives Bob Arnold and Bernard McMullen and their NCO's need only one more "out of this world" item to crown the aero-space age impact of their grassroots public relations program: little green men to match the panel lights.

Even so, their visitors class the simulator "a jolly good show."



FIRST CHECK . . . Payroll Supervisor S. T. Dellinger (second from right) presents to Senior Electronics Buyer W. R. Acord (left) the first employee payroll check processed by the Accounting Department's IBM equipment, as Assistant Supervisor J. L. Trumbetic of the Department's IBM section looks on. In addition to speedier processing of the approximately 150,000 payroll checks issued annually by the Department, the new check-writing system will provide more detailed information for various reports. First series of the new checks were issued employees on Friday, April 1. Photo by Sakamoto

Model Aircraft Hobby Inspired Company Engineer's Career

Roger L. Barron, 25-year-old Member of Melpar's System Analysis Groups, has parlayed a young boy's hobby into a solid career in engineering.

Ten year's ago Roger (a native of Springfield, Va.) and his model aircraft hobby were blazing quite a trail across the country. His model aircraft activities were responsible for establishing five national records and winning over 100 major awards in competitive model aviation meets.

During his model aircraft competition days Roger Barron posed with some of the trophies he won . . .

The planes he designed and built established records in Washington, Philadelphia and Detroit. It was in Detroit that one of his planes set an unofficial 17,000 foot altitude record.

During a contest the plane was carried out of sight by a rising warm air current and was sighted later by a commercial pilot—17,000 feet up. The plane was recovered later in a Detroit field.

After graduation from high school, Roger's hobby interests led him to a degree in Aeronautical Engineering at Princeton University. After graduate fellowship study in England and Switzerland, he entered MIT and won a Masters degree in Aeronautical Instrumentation and Control.

At the present, Mr. Barron is engaged in advance system studies and theoretical problem analyses at Melpar's Leesburg Pike plant.

Since his graduation from MIT three years ago, Mr. Barron has authored over 50 papers in two major aeronautical fields—dynamic performance of aircraft missiles and satellite vehicles, and adaptive control systems designs.

Married and father of two children, he is no longer engaged in active meet competition. But Mr. Barron still finds time to fly his models near his Springfield home.

GOING UP!

Falls Church promotions include L. K. Eliason to Senior Physicist, J. R. Tomlinson to Senior Engineer and D. M. Macarthur to Supervisor of the Chemical Branch.

J. E. Van Meter advanced to Secretary, G. W. Thayer rose to Lead Chemical Technician and F. G. Edwards was promoted to Superintendent of the Engineering Shops.

B. N. Jones was promoted to Senior Budget Clerk and G. A. Berand rose to Illustrator. R. E. Coddington was promoted to Experimental Machinist and R. E. Brockman advanced to Senior Personnel Assistant.

Arlington promotions include P. E. Webb and W. H. Abitz to Task Leader and D. L. Wiltrout to Dispatcher.

Bailey's Crossroads promotions include M. Y. Thorne, W. H. Johnston and C. W. Murray to Senior Engineer. J. L. Heinz was promoted to Junior Planner and F. D. Swick advanced to Planner.

Shirley promotions include S. Covaleski to Supervisor of Field Engineers and Maintenace and H. B. Smith to Tech Writer. J. R. Musser advanced to Junior Planner.

Leesburg Pike promotions include J. W. Carpenter to Junior Engineer, W. R. Goode to Planner and A. E. Grass to Senior Draftsman. B. R. Mullins rose to Engineer and C. P. Pressley was promoted to Senior Engineer.

At Hardin Street B. L. Rickin was promoted to Secretary and M. E. Hinton rose to Lead Planning Aid.

Now then, what qualifications have you for running machines . . . other than the fact your friends call you a "big time operator?"

AIR FORCE EDUCATION AWARDS . . . Three USAF Extension Course Institute diplomas were recently presented by Air Force Captain Del Strube to civilian Air Force employees William J. Lochridge, Nola W. Burleson and Thomas F. Foley, all assigned to the Air Force Plant Office at Melpar's Falls Church plant. Messrs. Lochridge and Foley's diplomas were awarded for competition of a Government Contracts course and Mrs. Burleson received hers for a Stenographic Specialists course. Photo by Meinke

Exchange Student Wins Melpar Math Award

Werner Rohrs, 17-year-old exchange student from Heidelberg, Germany, is the winner of this year's Melpar Mathematics Award, Vice President A. C. Weid has announced.

Rohrs won the award for his first-place standing in the High School Mathematics Contest held at Osbourn High School, Manassas, Va., recently. The national contest is sponsored annually by the Mathematical Association of America and the Society of Actuaries.

In a congratulatory letter to Rohrs, Mr. Weid wrote: ". . . Melpar has long recognized the importance of encouraging young people to realize their full potential and of making available to them every educational opportunity . . . I trust the remainder of your stay in this country as an exchange student will be equally rewarding in other ways and that you will take back to West Germany warm memories of America."

"The best wishes of Melpar go with you. The purposeful strivings of its young citizens toward constructive achievement is the hope of the Free World."

Werner has been staying at the home of Mr. and Mrs. Ralph C. Hess of 611 Sudley Road, Manassas, while attending Osbourn High.

New Products Corner

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

MELVAR
Insulating Varnish

MELVAR A-100, a silicone base varnish having a low curing temperature, high operating temperature and fungicidal properties, was developed especially for use as a protective coating in the electronic industry to reduce moisture absorption and act as an insulator. Water-thin and transparent, MELVAR A-100 can be applied by dipping, brushing, vacuum impregnating or spraying without obliterating component markings. It is particularly well suited for protectively coating transformers, coils, capacitors, resistors, and printed circuit boards. MELVAR A-100 can be used on printed circuit boards and components as a protection against electrical leakage caused by contaminates. It also provides additional protection against dielectric breakdown at high altitudes. Under tests specified in MIL-V-173A, MELVAR A-100 shows satisfactory fungicidal properties after being exposed to temperatures well in excess of its maximum recommended operating temperature of 400°F.