

# MELPAR-A-GRAPH

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

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## Plans Announced for R & D Lab in Italy

### Promotions, Organization Changes Announced by Company Officials

Several important organization changes, including the establishment of an Advanced Development Staff, were announced by Company officials in the past month.

Mr. R. E. Miller was appointed Director of the new staff and Dr. C. E. Bergman was named Associate, Advanced Development Staff. Mr. Miller will report to Mr. C. B. Raybuck, Vice President for Research and Engineering. Messrs. R. E. Jones and V. T. Meara were appointed Special Assistants, and Mr. K. E. Fowler, Administrative Assistant, Advanced Development Staff.

According to Executive Vice President E. M. Bostick, the Advanced Development Staff's duties will include: development of new technical areas into which Melpar skills may be applied; coordination of advanced development activities on a Company wide

is; coordination of/or preparation of technical proposals for major systems; and advanced study programs.

Mr. Raybuck announced the appointment of Mr. L. H. Vining as B-58 Project Co-ordinator with the view of strengthening interdivisional communication and coordination.

Chief Engineer R. S. Butts announced the establishment of a Data Processing and Support Equipment Department and named L. C. Wright as Manager.

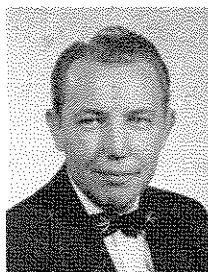
The new department is composed of three laboratories—the Simulation and Training Systems, Ground Support Equipment and the Data Handling Equipment Laboratory.

Mr. K. C. Streeter was promoted to

#### Williams Gives Speech

Human Factors Engineering Supervisor L. Williams spoke at a meeting of the Standards Engineering Society in Washington, D. C. recently.

Subject for Mr. Williams' talk was "The Principles of Human Factors Engineering and Methods of Application."



R. E. Miller

Manager of the Simulation Lab, Mr. Lawrence Lerner was named Manager of the Data Handling Equipment Lab and Mr. E. S. Hall was appointed Acting Manager of the Ground Support Equipment Lab.

Mr. E. J. Diehl, former head of the Airborne Equipment Branch, has been named Manager of the Reconnaissance Systems Laboratory, a function that will report directly to the Chief Engineer. Also, Mr. R. H. Courtney, Head, Technical Staff, will report to Mr. Butts.

In another organization move, Mr. J. J. Kovski was named Acting Manager of Technical Services to facilitate establishment of Reliability and Specification Analysis groups at Division level. Mr. Kovski will report to the Chief Engineer.

Mr. Butts also announced that Mr. O. D. Falck's Spares Planning group has been transferred to Project Services and Mr. Falck is assigned responsibility for establishing a central spares provisioning and documentation group for the Division.

#### Lewis Is Guest Speaker

Chemist S. R. Lewis of the Physical Sciences Laboratory was guest speaker at a meeting of the Manassas, Va. Lions Club on October 14.

Mr. Lewis spoke on "The Role of the Physical Sciences Laboratory at Melpar."

Plans for the establishment of a Melpar research and development laboratory in Italy were announced by President Thomas Meloy on October 5.

The Melpar subsidiary being formed in Florence, Italy will be known as Ricerca Scientifica Applicata S.P.A.

"RSA" will seek contracts with European and American companies for research and development on a consultant and product development basis. It is expected that RSA will become a significant factor in the future development of Italian industry, due to the absence of important research companies in Italy's growing industrial regions.

Dr. Arthur Kohlenberg, a former Associate Director of Research for Melpar, will act as liaison officer for RSA.

Professor Guillermo Toraldo di Francia and Professor Renato Galli have been named Director and Managing Director, respectively, of RSA.

Professor di Francia, an internationally famous authority on optics and microwaves, is a professor of physics at the University of Florence. Professor Galli heads the Economics Department at the same institution.

Technical Director of RSA will be Dr. C. Fagioli, an electronic expert and inventor, who is presently doing research at the Microwave Institute in Florence.

Mr. Meloy sailed for Europe on October 14 to make a tour of the electronic industry there and to help establish the Melpar subsidiary in Italy. He will also participate in a conference in Rome to discuss the formation of a national university which would include the Universities of Florence, Rome, Ravenna, Turin and Milan.

### Thanksgiving

Melpar employees will have an opportunity to enjoy Thanksgiving turkey with their families. Thursday, November 26, is Thanksgiving Day and an official Company holiday. Employees are scheduled to return to work on Friday, November 27.

## Navy Awards Melpar Commendation Letter

Melpar recently received a letter of commendation from the Department of the Navy's Bureau of Ships for the Company's contributions to the successful development of a new multi-channel communications facility for the Navy's "500" program.

The letter, signed by Rear Admiral R. K. James, Chief of the Bureau, commends the Company and its employees for development and fabrication of equipment to implement the system.

Acknowledgement of Melpar management's "generous attention" and direction of all the Company's resources to efficiently and expeditiously carry out the Navy's requirements was also made in the letter.

The Melpar project leader responsible for detailed engineering guidance of the program was singled-out for additional praise by the Admiral. The letter stated that the project leader made numerous technical contributions to the design of the equipment which figured heavily in ensuring its success.

The Navy's commendatory letter was concluded with the following statements: "It is desired, moreover, to commend the other personnel of Melpar, Inc., who contributed to this development. The appreciation of the Bureau of Ships is expressed for their participation in the program and for their contribution to the team effort which made it an outstanding success."

### Murphy Presents Paper

Chemical Engineer J. B. Murphy presented a paper entitled "Arc Plasma Heat Flux Variation for Ablation Studies Under Simulated Re-entry Conditions" to the Plasmajet Ablation Group of the American Society for Testing Materials at a meeting held in San Francisco on October 15-16.

The report was co-authored by Dr. P. E. Ritt, Manager of the Physical Sciences Laboratory.

## Resident Audit Office Established at Melpar

An Air Force Resident Audit Office under Command of the USAF Auditor General's Office has been established at Melpar's Falls Church plant. Air Force Major Carroll R. Anderson has been assigned Chief Resident Auditor for the office.

The Air Force received audit cognizance of all defense contracts at Melpar on July 1 and the Residency was established on October 4.

In addition to Major Anderson, the office is currently manned by Auditors Walter Schwartz and Anthony Sabio. Assignment of additional personnel to supplement the present staff is anticipated for the near future.

## F-101B Simulator Story Featured in Newspaper

Installation and first day use of the first production model of the F-101B Weapons System Simulator, delivered to the Air Force by Melpar in July, received top billing in a recent edition of the *Novato Advance*, a Marin County, Calif. newspaper.

Marin County is the home of Hamilton Air Force Base, the installation to which the first F-101B production model was delivered.

The newspaper's front page article was highlighted by a four column picture of the trainer's cockpit. The article gives a complete account of the simulator's operation and the installation and calibration by Melpar "reps."

Field Engineers Robert Mill, Donald Hauck and Gary Smitherman are stationed at the Hamilton F-101B site.

### Electronic Digest Features Melpar Paper

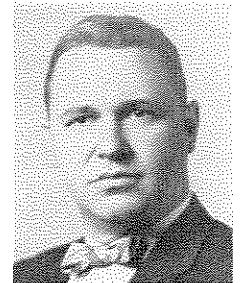
The October issue of *Electronic Digest* magazine features a condensation of a paper presented by four Melpar "experts" at the 1959 WESCON meeting in San Francisco, Calif.

Authors of the paper, "Investigation of Printed-Circuit Board Soldered Joints," presented at WESCON's Production Techniques Session are Project Engineer Richard Hronik, Staff Assistant Sidney Levine, QC Staff Assistant Phillip A. Thompson and Senior Engineer W. M. Verbeck.

## R. M. Snow Appointed Acting ASD Manager

The appointment of Mr. Robert M. Snow as Acting Manager of the Applied Science Division was recently announced by Executive Vice President and General Manager E. M. Bostick.

In 1954, Mr. Snow joined Melpar's Research Department in Boston as a Project Engineer and a year later was promoted to Assistant Director of Research. The following year he became Associate Director of Research and in 1958 he was appointed Assistant Manager of the Applied Science Division.



Robert M. Snow

Mr. Snow graduated from George Washington University with a B.S. and an M.A. in Mathematics. He also did graduate work in physics at Harvard University.

He succeeds Dr. Thomas P. Cheatham, Jr., who has assumed the position of Special Advisor to Charles B. Rayburn, Vice President for Research and Engineering.

## Company Consultant Addresses IRE Group

Dr. Leo Schmidt, Melpar Company Consultant, spoke at the October meeting of the IRE Boston Section's Professional Group on Engineering Management held at the Massachusetts Institute of Technology Faculty Club on October 15.

Dr. Schmidt, who spoke on "Supervisory Pitfalls," was the first speaker for the Section's Winter series of scheduled talks.

Points expressed in Dr. Schmidt's talk have been presented to Melpar personnel who have attended classes in his course, "The Administrator." Dr. Schmidt gave several business examples to illustrate the talk, which was followed by a discussion period.

### Article Featured

The October issue of *Electrical Manufacturing* magazine contains an article entitled "Labeling Control - Elements" written by Human Factors Engineer Supervisor H. L. Williams.

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# Many Research Fields Explored By Physical Sciences Laboratory

**M**ELPAR'S newly designated Physical Sciences Laboratory is one of the fastest growing groups within the Company.

Formerly called the Chemistry Laboratory, the Lab was recently redesignated and divided into three sections representing its many major fields of research and development.

Dr. P. E. Ritt manages the Physical Sciences Laboratory, which recently expanded its operations into new space on the main and lower levels of the Falls Church plant. The Lab is also actively engaged in research at the Manassas, Va., plant and has some facilities at the Arlington plant.

Total floor space now occupied by the Physical Sciences Laboratory is well over 20,000 square feet.

The Lab's three sections—Chemistry, Physics and Molecular Electronics—are staffed by over 45 Chemical Engineers, Chemists and Physicists. These are, in turn, supported by more than 50 Chemical Technicians engaged in various laboratory projects.

The Chemistry Section is engaged in operations concerned with chemical analysis and research, chemical engineering (electroplating, plastics research,

brazing techniques, etc.), and pilot production activities, all related to our Company's primary business, electronics.

Studies involving synthesis, evaluation and fabrication of metallic, ceramic, magnetic and semiconductor materials and devices for electronic applications is the prime objective of the Physics Section. This group is also engaged in studies and investigations involving optics, acoustics and electroluminescence.

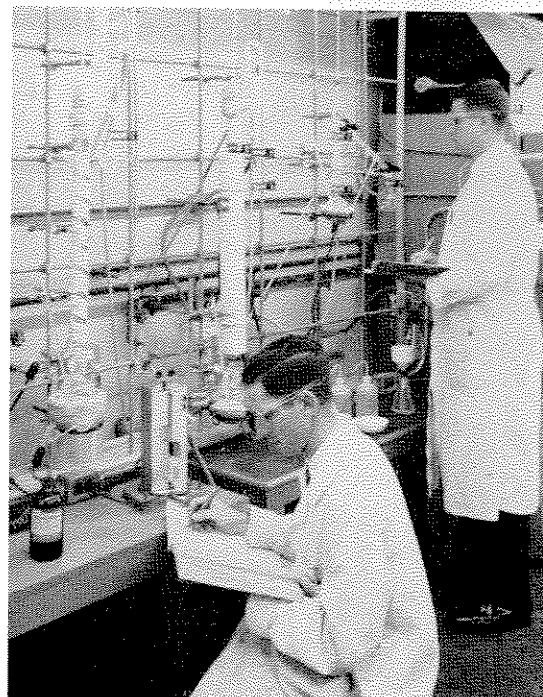
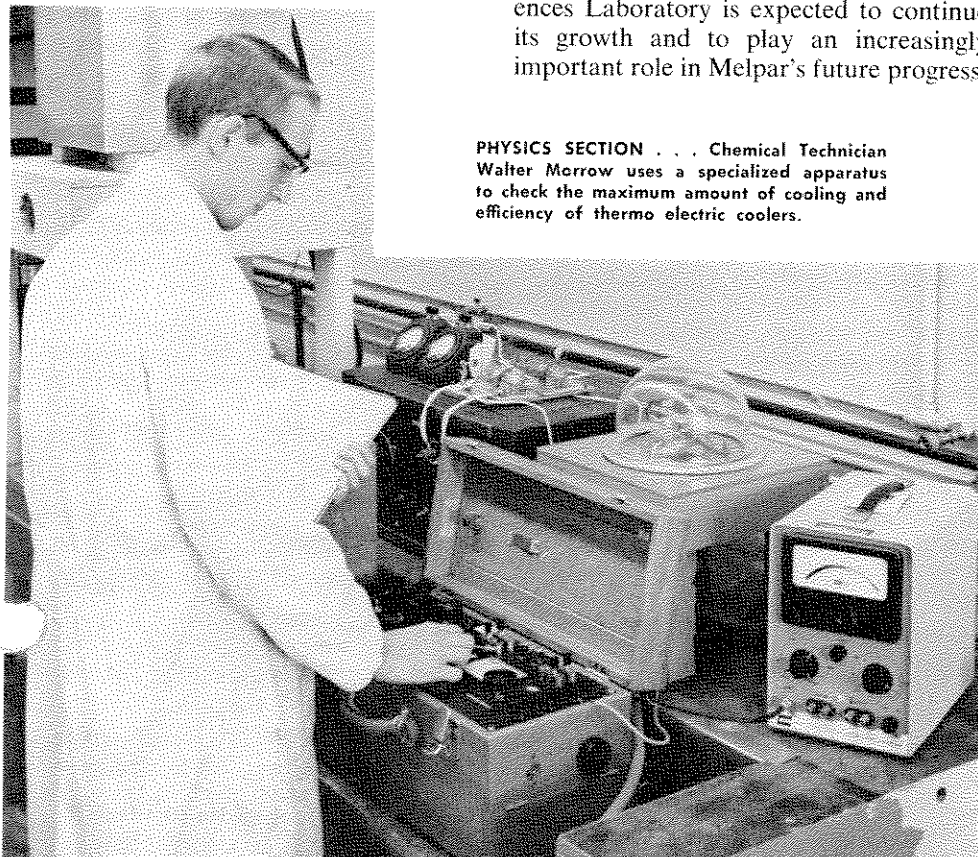
The Molecular Electronics Section is primarily engaged in the development of devices and subsystems based upon the employment of atomic and molecular phenomena, e.g., Masers, etc. Areas of investigation and development include solid state phenomena, interfacial characteristics, microminiaturization and other micro-circuitry techniques.

A number of significant technical achievements have resulted from the Physical Sciences Laboratory's work on military and industrial projects.

Only recently, the Society for Testing Metals adapted the Lab's test for dielectric materials as a national standard and the lab is currently running several of these tests for private companies.

A basic function of Melpar since the Company was founded, the Physical Sciences Laboratory is expected to continue its growth and to play an increasingly important role in Melpar's future progress.

**PHYSICS SECTION . . .** Chemical Technician Walter Morrow uses a specialized apparatus to check the maximum amount of cooling and efficiency of thermo electric coolers.



**CHEMISTRY SECTION . . .** Senior Chemical Technician C. L. Brien, Jr. (left) records the pressure and Chemist Bill Gilwee (right) checks the distillation of organic resin in the process of fractional distillation.



**MOLECULAR ELECTRONICS . . .** Chemical Technician V. W. Townsend shown with vacuum evaporator used in deposition of thin films under study in this section.

## GOING UP!

Falls Church promotions include R. D. Mikolay to Technician and R. G. Ferrell to Senior Technician. P. A. Kiser advanced to Senior Planner and A. L. Hughett rose to Junior Planner.

M. O. Penney advanced to Senior Bookkeeping Machine Operator and D. S. Shupe rose to Control Clerk. D. L. Moore, M. W. Kile and H. M. Gilleran were promoted to Senior Payroll Clerk. P. E. Tibbs rose to Purchase Order Clerk and E. S. Mauldin advanced to Duplicating Machine Task Leader.

A. H. Wessels was promoted to Engineering Assistant and J. D. Barab and G. J. Casey advanced to Senior Engineer. L. E. O'Rourke was promoted to Supervisor of the Pilot Plant Branch and J. E. Richards advanced to Engineer.

R. A. Schutt advanced to Chemical Engineer and F. S. Lander and J. H. Breth were promoted to Administrative Engineer. F. W. Hightower was promoted to Design Engineer and N. Langford advanced to Cost Accounting Supervisor.

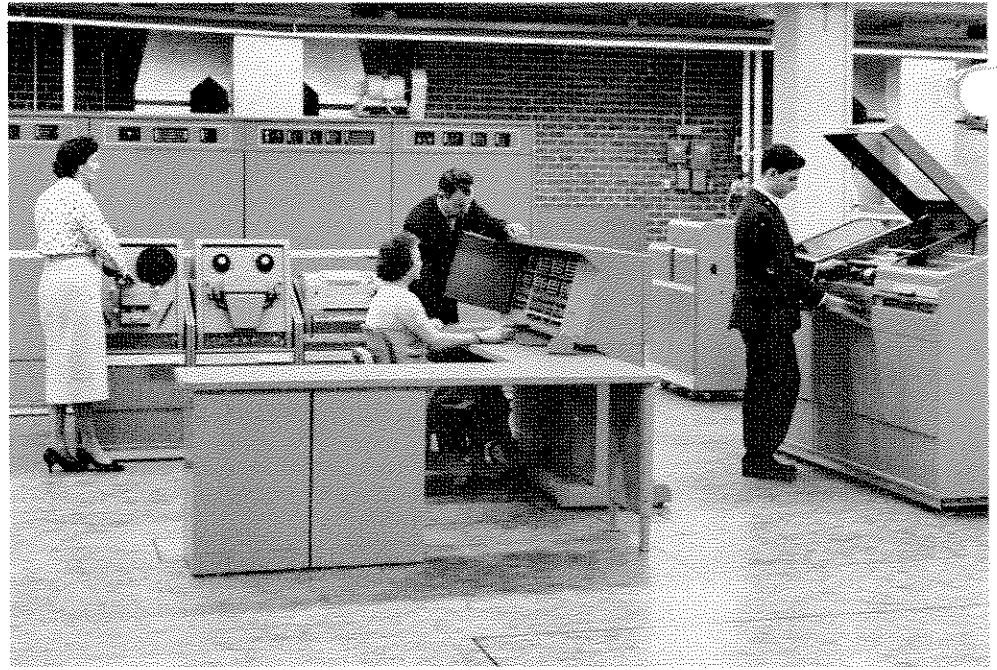
J. C. Lynch was promoted to Supervisor of Employee Services and L. E. Shaw rose to Senior Personnel Representative. E. P. Flynn advanced to Junior Fabrication Estimator and A. M. Baugh rose to Budget Control Clerk. F. A. Briglia was promoted to Consulting Project Engineer and R. E. Kellogg rose to Staff Assistant.

W. A. Beiderlinden was promoted to Senior Procedures Analyst and J. K. Bradley rose to Junior Fabrication Estimator. Z. A. Post was promoted to Administrative Staff Assistant, D. E. Pratt rose to Consulting Project Engineer and E. L. Ditz advanced to Section Head.

Arlington promotions include L. C. Slack to Buyer and W. M. Verbeck to Senior Engineer. J. O. Brock advanced to Technician and R. E. Kelly rose to Engineer. G. E. Wayland was promoted to Machine Shop Foreman and W. F. Clifton rose to Lead Senior Materials Control Clerk.

N. E. Berke advanced to Tabulator Equipment Operator, R. A. Brown rose to Key Punch Operator and J. A. Boaz was promoted to Secretary. J. O. Strong and F. A. Rush advanced to Junior Planner, W. Clark rose to Junior Engineer and E. C. Jennings was promoted to Junior Methods Engineer.

C. H. Mann was promoted to Senior Planner, L. C. Koneczny rose to Planner and E. Lantz advanced to Lead Sheet Metalman.



324,000 ADDITIONS OR SUBTRACTIONS PER MINUTE . . . is only one of the capabilities of this huge Datatron 220 computer system recently delivered to the Leesburg Pike Plant. Four LP employees are shown giving the system a trial check for the photographer. The computer will be used for problem solving and data reduction on a large digital data handling system being built by Melpar.

Photo by Norton

Leesburg Pike promotions include R. M. Eggleston and W. H. Fuhr to Project Engineer and J. N. Goesser to Principal Engineer. W. E. Melby advanced to Mechanical Engineer, M. R. Reese rose to Senior Administrative Engineer and J. R. Hausfeld was promoted to Senior Engineer.

W. E. Grogg and V. S. Whitmire were promoted to Lead Wire Technician and F. L. Johnson rose to Junior Planner. S. M. Harris and B. J. Waterman advanced to Senior Clerk Typist and D. M. Ankrom rose to Draftsman. R. A. Boswell advanced to Junior Test Engineer and F. A. Haag rose to Planner.

Bailey's Crossroads promotions include J. S. McKee and W. Gabriel to Engineer, B. G. Hopkins to Stock Clerk and R. E. Hicks to Senior Draftsman. R. F. Elbert and C. J. Stultz advanced to Senior Engineer and R. McCormick rose to Senior Clerk Typist.

C. H. Runk, W. C. Stockdale and J. F. Stone were promoted to Tech Writer and H. A. Mahoney advanced to Fabrication Equipment Operator. L. J. Fowler, E. W. Hurst and D. B. MacDowell were promoted to Senior Spares Planner.

Hardin Street promotions include C. C. Heflin to Planner and B. W. Dixon and H. E. Michael to Heavy Assembly Task Leader.

Columbia Pike promotions include R. E. Littell and J. W. Paljug to Senior Engineer. D. L. Rose advanced to Engi-

neer and W. R. Shogan rose to Test Engineer.

V. E. Tolbert was promoted to Junior Methods Engineer, R. N. Koren rose to Junior Test Engineer and R. E. Kent advanced to Planner.

Shirley Plant promotions include W. A. Tandymore to Senior Spares Planner, J. E. Price to Senior Technician and C. L. Batt to Junior Planner. M. C. Irvin was promoted to Administrative Assistant, A. G. Keene rose to Senior Draftsman and J. T. Chandler advanced to Engineering Assistant.

V. D. Holsinger was promoted to Senior Clerk Typist at the Alexandria plant.



"Hello . . . Engineering Department?"