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MELPAR, INC. A SUBSIDIARY OF WESTINGHOUSE AIR BRAKE COMPANY

Volume 10, Number 8 **October, 1965**

MELPAR ACQUIRES NEW SUBSIDIARY

On Monday, September 27, 1965, it was announced that at least 480,687 shares or 91.6% of the total outstanding common stock of Wilcox Electric Company, Inc. had been deposited for exchange for WABCO common stock in accordance Melpar's offer. A substantial number of additional shares have also been deposited for exchange.

Following consummation of the exchange, A. King McCord, President of WABCO; E. M. Bostick, President of Melpar; and R. H. Wood, Vice President and General Counsel of WABCO became directors of Wilcox. Jay V. Wilcox continues as President, Chief Executive Officer, and Director of Wilcox and James E. Gardner continues as Executive Vice President and Director of Wilcox. All other officers and employees of Wilcox will continue in their present capacities.

Thomas Meloy Re-elected Exec V.P. NSIA

At the Annual Meeting of the Board of Trustees of the National Security Industrial Association, October 7, Thomas Meloy, Chairman of the Board, Melpar, Inc., was re-elected as Executive Vice President of NSIA.

The National Security Industrial Association is an association of business executives which performs liaison between the Department of Defense and the Defense Industry.

Tom Meloy

Conference of New York Academy Of Sciences

Dr. Jack D. Tiner and Mr. Saul S. Nelson of Melpar were co-chairmen for a conference held by the New York Academy of Sciences on "Axenic Cultures and Defined Media". Dr. Tiner and Mr. Nelson organized the program for the conference which was held on October 8 & 9 at the Waldorf-Astoria in New York City.

The objective of the conference was two fold: to introduce the guests to the advances which have been made by Melpar and other companies in the field of bioengineering, and to stimulate and coordinate efforts of biological researchers and physical scientists in applying procedures from the physical sciences to the solution of important biological problems. By means of the conference, Dr. Tiner was able to demonstrate the need for emphasis in bioengineering and point out a direction that formal training for research might take.

The study of axenic, or germ-free, cultures is common to both biology and zoology for control of disease and pest organisms. Research, however, is slowed and sometimes stopped because inadequate experimental equipment can not maintain sterlity in the experiments. Increased effort in the field of bioengineering would enable development of equipment adequate for axenic experimentation. Hence, new agents can be found for control of disease and pest organisms which have become resistant to available chemicals. Also, new approaches to uncontrolled species would become apparent.

Supporting the conference were five divisions of the New York Academy of Sciences: the Section of Biological and Medical Sciences, the Section of Chemical Sciences, the Division of Instrumentation, the Division of Biochemistry, and the Division of Microbiology.

Flame Photometric Detector

A recent advance in the field of gas chromatography has been made by Melpar: the development of a Flame Photometric Detector which is sensitive to compounds containing phosphorous or sulphur.

Samuel S. Brody of the Instrumentation Laboratory will offer an explanation and presentation of the device to the Third International Symposium for Advances in Gas Chromatography sponsored by the University of Houston, Houston, Texas. The device will be offered as a significant advance in the state of the art of gas chromatography.

Though the principle upon which the detector is based is not new, the application of the principle to the area of gas chromatography is. The device is sensitive to very small amounts of phosphorous and sulphur in compounds, and it utilizes a photometric detection of the flame emmission of phosphorous and of sulphur containing compounds in a hydrogen-air flame.

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Interservice Data Exchange Program

IDEP, a comprehensive source for parts data, is now available at Melpar. Test and evaluation information on parts, assemblies, materials, techniques, and equipment are included in the IDEP program. This information is derived from users and therefore supplements data available from manufacturers.

IDEP is a joint Military-Industry program for the interchange of data obtained from tests of missile and space components and parts. Reports of tests conducted by participating missile and

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IDEP (Continued from Page 1)

space system contractors are submitted to the IDEP office of the cognizant military service where they are micro-filmed. A microfilm copy of the complete report, attached to a summary card, is then distributed to all participating contractors and agencies which have interest in that particular subject area.

The IDEP Test Reports include such categories as Attaching Methods and Materials, Evaluation of Circuits, Environmental Simulation Equipment, Finishes and Surface Treatments, General Technical Data, Instruments, Microelectronic Circuits, Parts Testing Techniques and Equipment, and numerous categories covering assemblies and materials.

The IDEP Report Indexing System allows rapid location of reports on a specific subject without machine search. The IDEP number identifies the subject by major category, subclassifications, originator of the report, and report serial number.

Participation in the IDEP program is limited to contributing members. It is therefore requested that reports of any testing of parts and purchased assemblies performed at Melpar be forwarded to Ray Larson of the Design—Assurance section for submission to the IDEP office. This is an excellent way of advertising Melpar's capabilities and interest areas to the military agencies and prime contractors who are participating in this program. For further information concerning the IDEP program, call 2319.

AT THE OCTOBER PIN AWARD LUNCHEON . . . 13 Melpar employees were honored for 10 years of continuous service with the Company. Four service pins were awarded to employees who have served 15 years with Melpar. Attending the luncheon to receive their 10 year pins were (from left to right) Robert W. Smith, Wyman A. Upchurch, Alice K. Warwick, Reo J. LeBlanc, Freddie M. Lucas, Mary Amarosi, Leroy E. Armstrong, William T. Cradlin, Grace E. Smith, and Robert G. Haggerty. Fifteen year service pins were awarded to (continue left to right) Frank E. Boyoko and L. Stillman Carter. Not present at the luncheon to receive their pins were William P. Clements (10), Andrew Harhai (10), Jennings R. Ross (10), Lorain M. Barrick (15), and Margaret Stutzman (15).

PLEASE!

Do not park your car at any plant in a space which is numbered unless it is yours. These spaces are reserved for employees to whom they have been assigned. Also, be sure that your car has a MELPAR parking sticker on the windshield behind the rearview mirror. Unauthorized parking in the lots creates a problem. Plenty of parking spaces are available for Melpar employees. Help solve this problem by displaying your sticker and using only proper spaces.

Stickers may be obtained from the Employment office, Falls Church. Call ext. 2220 and one will be mailed to you.

GOING UP!

Congratulations are in order for the following who received promotions in the month of September:

Jackie L. Dodd to Information Specialist

Donald W. Caldwell to Sr. Programmer

William V. Goodell to Field Research Branch Supervisor

Loren R. Linstrom to Field Research Branch Supervisor

William H. Boswell to Planning Co-ordinator

Joseph C. Leifer to Field Research Lab Manager

Thomas D. Ellis to Fabrication Estimator

Lawrence G. Day to Sr. Technical Illustrator

Tennis S. Estepp to Programmer

John W. Blossom to Field Research Branch Supervisor

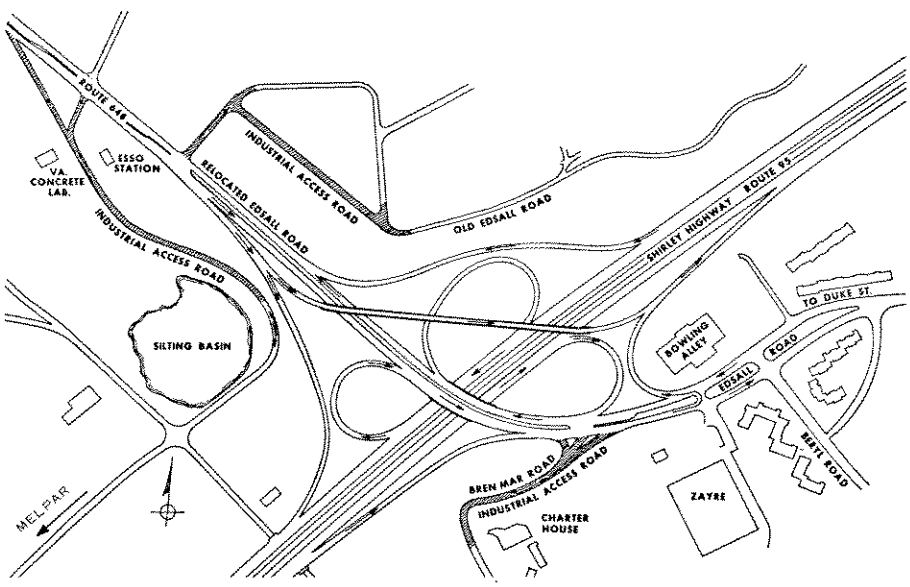
David B. Currance to Junior Electrical Engineer

Barry J. Weiner to Senior Electrical Engineer

Frank C. Oropeza to Senior Electrical Engineer

Casimir F. Wajtunik to Field Research Branch Supervisor

HERE'S NEW EDSALL INTERCHANGE PLAN



If you have been wondering what is going to blossom out of all that construction at the Edsall Road turnoff of Shirley Highway, you will be glad to see the above map.

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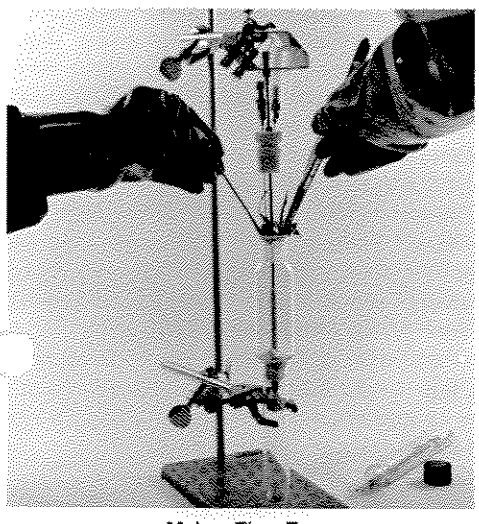
Published by
MELPAR, Inc.
A Subsidiary of
Westinghouse Air Brake Co.

7700 Arlington Blvd. Falls Church, Va.
Editor . . . . . Dan Appleton, Ext. 2350

NEW PRODUCT

The Special Products Department is now producing the MELPAR-TINER STORAGE TRAP for commercial consumption. The trap was originally designed and built by Dr. Jack D. Tiner of the Chemistry and Instrumentation Laboratory.

The TINER storage trap is designed to facilitate laboratory work with cultures of plant parasite nematodes (worms). Parasitic nematodes can be grown on cultured plant tissue—usually roots—and harvested in the trap unit. The device is designed to keep the nematode crop sterile so that axenic (germ-free) experiments can be performed with the cultures.



Melpar-Tiner Trap

The unit is filled with nematode-infected, microbe-free roots and flooded with water containing the proper nutrients. The nematodes emerge from the roots, move through a cotton filter, and sink to the bottom of the refrigerated lower zone where they can be removed with a syringe.

Obituary

James C. Bennett, Lt. Col. USMC (ret.), age 51, died at home September 18 of a heart attack. A native of Erie, Pennsylvania, he was graduated from the U. S. Naval Academy in 1937 and served with the Marine Corps until his retirement in 1957.

In 1957 he joined Melpar, Inc. where his most recent assignment was Senior Engineering Assistant in Contract Management responsible for the development and coordination of management techniques.

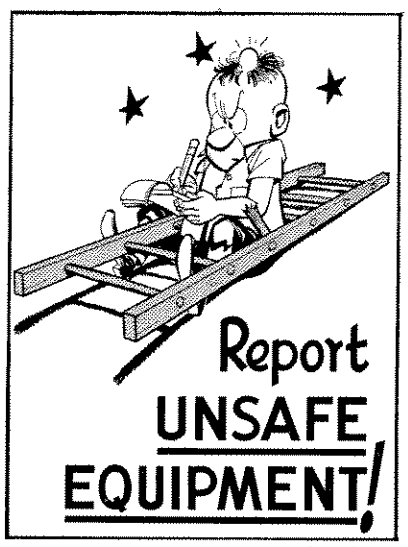
He is survived by his wife, Mary, three daughters, and four grandchildren.

The Patent Office has awarded a patent to John E. Riley of Melpar for the invention of a method for deposition of the simiconductor metal germanium on a substrate. The patent entitled *Pyrolytic Deposition* involves a process for the manufacture of thin-films circuits. (Above) Dr. Paul Ritt, Vice President for Research and Engineering, makes the Patent Award to John Riley

United Givers Fund

The 1965-66 UGF campaign is underway with a goal for the Washington Metropolis Area of $9,200,000. Your gift will help to make this goal a reality.

Melpar has supported this one charitable campaign through the years not only by a corporate gift but by providing a convenient and simple system in which each employee can participate. The payroll deduction plan may be used by those employees who wish to space their contributions over a period of up to one year, beginning January 1, 1966.



The only restriction is that each deduction be of the same amount.

Because the number of UGF workers available to make home calls is small, everyone is encouraged to contribute through his place of employment. Area representatives have been designated by memorandum to receive your contributions through November 12, 1965.

Through your gift to the UGF you will participate in helping community agencies having the specialized skills to give health, guidance, and life to those in trouble and need of help. Groups within the Company who in prior years have made donations to charity in lieu of sending Christmas cards may wish to make these donations through the UGF.

One gift works many wonders. GIVE TILL IT HELPS!

DETECTOR *(Continued from Page 1)*

An example of the possible application of such a device is in the petroleum industry. Comparisons of the sulphur content of various brands of gasolines and between hi-test and regular grades could prove useful.

The Photometric Detector was developed by the Applied Science Branch of the Instrumentation Laboratory under the Melpar Independent Research and Development Program.

NEW CONTRACTS CREATE HUNDREDS OF JOBS

W. C. Purple, Vice President and General Manager of Melpar, Inc., announced earlier this week that the Personnel Department has started an all out effort to increase the number of employees in local company operations. The employment build-up now getting into full swing is caused by over 300 new positions.

Hiring activity will cover almost all groups within the company, including a substantial increase in the number of trainee positions and temporary and part-time positions. A major portion of the new requirements for personnel falls in the area of Manufacturing. Many assemblers and shop personnel are needed. Research and Engineering has a need for technicians, and the Administration Operation needs men for Plant Maintenance, Publications, and Security. While the greatest number of openings are for hourly paid positions, Electrical Engineers, Mechanical Engineers, Physicists, Chemists, Technical Writers, and Senior Draftsmen are also needed.

EFFECTIVE THROUGH NOVEMBER 6, THE OPPORTUNITY IS BEING OFFERED TO ALL EMPLOYEES TO INVITE MEMBERS OF THEIR IMMEDIATE FAMILIES TO APPLY FOR TEMPORARY AND PART-TIME POSITIONS WITH THE COMPANY.

Below is a list of the openings which the Company is trying to fill. In most cases a job description has been included so that applicants can match their experience and training with appropriate positions. It is requested that interested persons contact the Employment office at the Falls Church plant on JE 4-6000, exts. 2220, 2703, and 2705 for interview appointments.

ASSEMBLERS—Light Bench Assembly and repair of printed circuit boards and small electronic packages. Some positions require NASA soldering training, testing, and certification. Night & day shifts and part-time night positions available.

Heavy Assembly needs are for layout, drilling, and mechanical assembly of chassis. Day shift positions are open.

AIDES—Electrical and Mathematical Aides are needed in several technical groups in No. Virginia plants for computational and similar duties working for professional personnel.

Methods Aides positions are available to assist Methods Engineers in schematics and generation of wire lists from functional drawings.

CLERICAL—Clerk Typists and Secretaries for Northern Virginia plants.

DRAFTSMEN—Experienced Draftsmen for incorporating engineering changes, generating of detail drawings, and designing layouts. Part-time night positions are also open at the Falls Church plant.

ELECTRICIANS—Positions open for men with two years plant maintenance or construction experience who can pass requirements for Fairfax County license. Should own car and hand tools. Work is in all Northern Virginia plants and primarily for the night shift.

INSPECTORS—Positions range from Electro-mechanical Inspectors and Mechanical Inspectors to Receiving and Identification Inspectors in the Falls Church and Leesburg Pike plant locations. Day and night work is available.

MACHINISTS—Openings for first class Machinists with 5 years journeyman experience and second class men who have some apprenticeship experience and knowledge of shop math. Openings are for day and night shifts and part-time personnel will be considered.

PLATING OPERATORS—To work on a fabrication line requiring gold, copper and solder plating and etching of multilayer and printed circuit boards. On-the-job training will be given to trainee personnel in this area. Openings Microcircuits Department, Leesburg Pike, day Shift.

PRODUCTION CONTROL SPECIALISTS—Openings for Planners with experience in control procedures, blue-print reading, parts breakdown, preparation of parts lists, and work order preparation and scheduling.

SHOP EXPEDITORS AND DISPATCHERS—For status control and moving parts and materials to and from the assembly lines or shops in Northern Virginia plants.

SECURITY GUARDS—Positions for full-time and part-time persons, day and night shifts. Retired personnel in good health will be considered.

SHEET METAL MECHANICS—Positions for first and second class men, as well as trainees, are available for day and night work. Some part-time employees will be considered. Positions are located in the Falls Church plant.

TECHNICIANS—Openings for Electrical and Mechanical Technicians available in Northern Virginia plants. Work requires some college or technical school training and work experience assisting in design, breadboarding, and testing of assemblies and subsystems. Chemical Technicians will help perform biochemical and other experiments.

TECHNICAL ILLUSTRATORS—Experienced Illustrators with two to three years on work involving perspective, isometric and schematic layouts for proposals, reports and technical handbooks. Detailers with one to two years experience in line drawings in ink form, rough sketches with paste-up callouts, and some knowledge of perspective isometric and schematic layouts. Day shift, Falls Church.

TECHNICAL WRITERS AND EDITORS—Personnel with two or more years experience in writing and editing technical reports and handbooks to comply with Government publication specifications. Day shift, Falls Church.

TOOL AND DIE MAKERS—Positions are in the Falls Church machine shop and require advanced shop math knowledge with at least 6 years shop experience.

VENTILATING EQUIPMENT MECHANICS—Experience in maintaining and servicing large cooling and heating systems for industrial plants. Positions for day and night shifts are available to work in all No. Virginia plants.

NASA—Goddard (Greenbelt, Maryland)—Electro-mechanical Draftsmen, Designers, and Design Review Specialists are needed.

Electrical Engineers and Physicists with experience in circuit design and vacuum technology, respectively, on space systems; these positions require degrees.

Electrical and Mechanical Technicians experienced in electrical module assembly, welded modules, and mechanical assembly.

Professional Positions—Falls Church:

TEST ENGINEERS for testing and trouble shooting electronic assemblies.

QUALITY CONTROL ENGINEERS for design of special purpose test equipment, writing test procedures, and generating or interpreting specifications for use with test equipment or in acceptance tests.

MECHANICAL ENGINEERS for design small comp instruments, and checking mechanical details and assemblies.

ELECTRICAL ENGINEERS for circuit design and systems development, electrical analysis and evaluation of components, digital logic design, and communication systems design and development.