MARTIN MARIETTA
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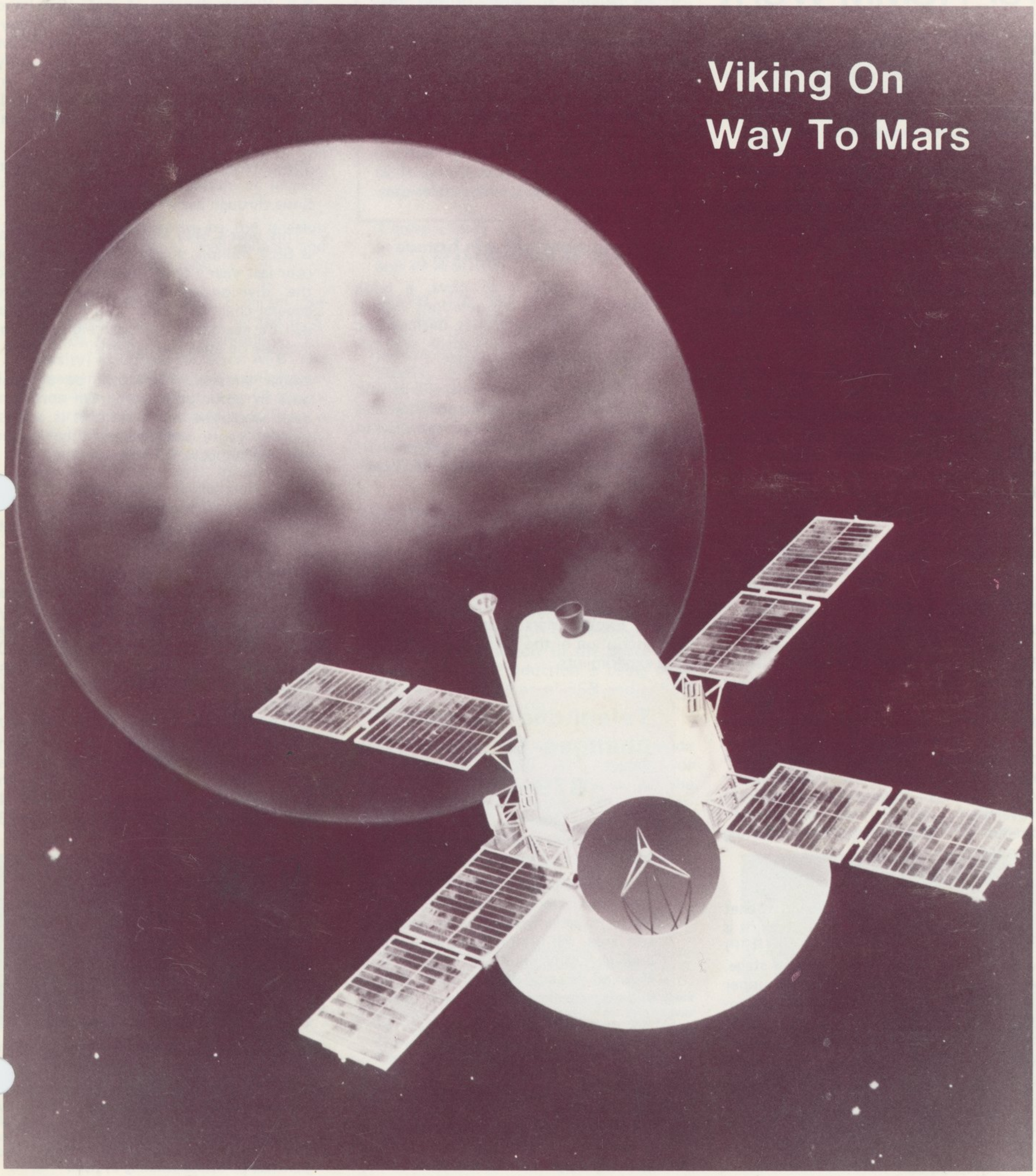
Viking On Way To Mars



Division United Way campaign underway

NASA picks division, Boeing for HCMM work

The Denver division and The Boeing Company have been picked by NASA for parallel negotiations that will lead to a contract with one of the companies to provide the Heat Capacity Mapping Mission (HCMM) spacecraft.

HCMM will be the first of NASA's Applications Explorer Missions and will be launched from Vandenburg AFB in California in 1978.

The HCMM spacecraft will gather thermal data about the Earth's surface, allowing scientists to study location of mineral resources, rock types, soil moisture, vegetation cover, and temperature measurements.

Walter F. Barker is project director for HCMM.

It is expected two phase B study contracts for AMPS—Atmospheric Magnetospheric and Plasmas in Space—will be awarded by NASA—one to Martin Marietta and one to TRW—for parallel work. It is anticipated authority to proceed will occur this Fall.

Ric Davis is leading the AMPS effort.

Joe Spencer is marketing representative for both HCMM and AMPS.

In other recent proposal action:

The Tactical Flag Command Center proposal was submitted to the Navy Sept. 8. The program, a new product direction for the division in command systems, is a systems engineering/software program. Teamed with the division as a major subcontractor is Sperry Univac. Contract award is expected in November. Jim Sanders is program director with Bob Crocker the marketing representative.

In upcoming proposal activity:

The division will enter the solid rocket competition for Interim Upper Stage. It is expected the request for proposal (RFP) will call for an entirely new upper stage, not a modification to an existing upper stage. The main motors and the redundant electronics requirements will also be new. The RFP is expected in December with contractor selected in mid-1976.

An RFP is also expected in mid-October from NASA's Ames center for the Pioneer-Jupiter orbiter probe. Bill Scofield will be proposal manager with Jim Sterhardt as program director.

Viking spacecraft are on schedule

A successful mid-course correction for Viking II Sept. 19 put the spacecraft on a trajectory that set its arrival at Mars Aug. 7, 1976.

Meanwhile, Viking I continues its journey, with arrival at Mars scheduled for June 19, 1976.

Viking I is more than 7 million miles from earth and Viking II is now more than 2 million miles out.

Book available

The Viking Mission to Mars, a book prepared by the public relations department for newsmen, libraries, business and political leaders, is being made available to employees of the company.

The 150-page illustrated book will be sold for $3 per copy through the plant services department. The sale will be restricted to lunch periods in the main cafeterias of the Engineering Building and the Space Support Building.

The book contains three chapters. The first deals with the history of Mars, and mankind's long-standing fascination with the Red Planet. The second chapter is a condensation of interviews with leading Viking scientists who discuss the question "Why Explore Mars?" The final chapter is a description of the Viking spacecraft and its experiments.

Telephone number changes October 18

979–7000

Beginning October 18, that's the number callers will dial to reach the Denver division switchboard.

The change is part of the Mountain Bell installation of a new equiment center to serve the southwest suburban area. All phone numbers in an area generally south of Coal Mine Rd. and West of Platte Canyon Rd. will be changed the same day.

On the cover--

A model Viking spacecraft approaches a model of Mars in this photographic impression of the way things will be in mid-1976 when Viking I and Viking II make their approach to the Red Planet.

"Fifty years ago people took a basket of groceries to a needy family, sat up night with an ailing friend, or listened for hours to a troubled neighbor, but now there is a better way for people to help other people."

R.E. Weber, director of professional and industrial relations, went on to say, "Once a year we ask employees to review their contributions to the United Way because through the United Way we can reach out to more people than our grandparents could in 20 years of personal visits."

The division's United Way campaign began in mid-September and will continue through early October.

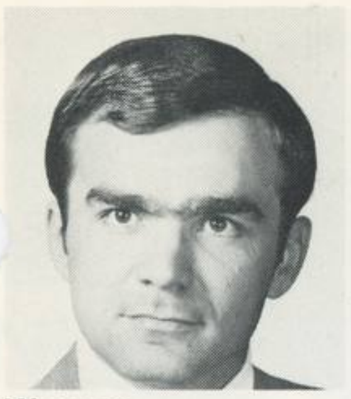
"This year's Mile High United Way goal is $8.7 million, an eight percent increase over last year's goal," Weber, who is also the division's United Way campaign general chairman, said. "Our division goal will be geared to a similar eight percent increase on a per capita basis."

Weber stressed, "This will be a tough goal to accomplish, but I am confident each employee will agree this is a most worthy cause and will give the United Way full support."

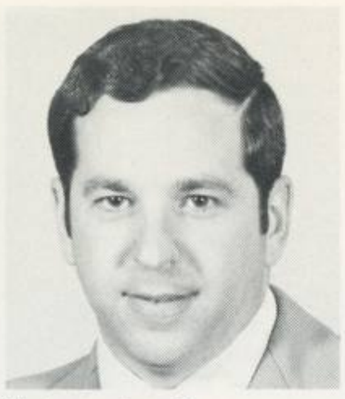
Tom Rendler is coordinator for the division-wide campaign. Department coordinators and per capita giving goals for the departments are:

New Business Planning and Support, Ann Johnson, $65.48; Technical Operations, John Kancir, $41.36; Quality and Safety, Roger Prince, $35.58; Manufacturing and Test, George Maloney, $25.60; Executive, Irene Woodzell, $68.60; Plant Operations and Material, Al Ringhofer, $34.45; Launch Vehicles, Tom Callan, $60.80; Contracts, Ray Nalty, $72.67; Finance and Planning, Warren Bien, $41.19; Professional and Industrial Relations, Dorthea Gibson, $32.24; Program Development, Gordon Wenner, $60.24; and Viking, Verona Hewins, $60.23.

Gary M. Joseph, left, external tank propulsion branch, and William P. Coppfer, right, advanced manufacturing technology branch, recently received New Technology awards at Michoud for their NASA disclosures. Joseph was honored for "Computer Program for the Dynamic Analyses of Pneumatic Servomechanisms" and Coppfer for "Automatic, Multi-Cutter, Programmable Foam Machining System."



Wagner



Fehrenbach

Air Force officers begin 10—month EWI program here

For the thirteenth consecutive year the Denver division is participating in the U. S. Air Force Education with Industry (EWI) program.

Selected for assignment to the division are Capt. Richard L. Fehrenbach and Capt. Gregory H. Wagner.

EWI is a graduate-level program for career officers administered by the U. S. Air Force Institute of Technology (Air University) at Wright-Patterson AFB. The management internship program emphasizes on-site industrial educational experience providing the student officer a greater understanding of production, procurement, and management problems shared by industry and its customers.

After completing the 10-month program at the division, officers are assigned to Air Force procurement functions.

Captain Fehrenbach has been in the Air Force eight years, serving most recently as a pilot, pilot instructor, and academic instructor pilot on C-141 aircraft. He has a BS degree in aerospace engineering from the University of Michigan.

Captain Wagner was recently a missile combat crew commander for Minuteman. He has been in the Air Force four years and has a BS degree in photography from Southern Illinois University and an MS degree in economics from South Dakota State University.

Two from division serve as United Way loaned executives

Division employees Jack Baxter and Chuck Hudak are serving as loaned executives for the 1975 Mile High United Way campaign.

Loaned executives are volunteers who work full time on the United Way campaign, having been relieved of their regular duties by their employers. About 80 are being provided by area businesses and organizations for this year's campaign.

Separate facilities set for CCMS

300 employees in education programs

More than 300 employees are participating in Fall education programs at the division. The in-plant continuing education classes have 239 students enrolled, 50 are taking the televised courses in the State University Resources in Graduate Education (SURGE) program, and an estimated 40 are enrolled at the University of Colorado, University of Denver, Colorado School of Mines, and community college courses.

Twelve classes are being offered in the in-plant continuing education program and 17 in SURGE.

Among the courses offered in-plant are solar energy engineering, human factors in computer systems, shop familiarization for engineers, and FORESIGHT, a planning tool for business.

SURGE offers courses leading to a master's degree in either engineering or in business. The courses are presented by videotape in-plant.

Martron Systems moves production to SSB

Martron Systems manufacturing and administrative operations have been moved from the off-site Prince Street facilities in Littleton to the Space Support Building. Production is being done on the second floor of SSB and offices are in SSB Module 311.

First production in the SSB will include a Martron 12000 ATE system for SAUDI, the national airlines of the Kingdom of Saudi Arabia. To be delivered late this year, the system will be operated by SAUDI at its maintenance center in Jeddah for testing components of its fleet of L-1011, B-707, and B-737 aircraft.

State Representative Wellington Webb, left, recently presented the First Annual Sebastian C. Owen Award for Philanthropy to William G. Purdy, center, former Denver division vice president and general manager. The award was for the former division executive's individual financial support of the United Negro College Fund (UNCF). Mrs. Sylvia Smith, award committee chairperson, holds the trophy. Rep. Webb was chairman of "Evening with the Stars," an annual event of the Denver chapter of UNCF to raise funds for the 41 predominantly black colleges and universities in the U.S. The award is named for the former head of the Colorado Urban League who died this year.

The National Aeronautics and Space Administration contract award for the checkout, control, and monitor subsystem for Space Shuttle's launch processing system to the Denver division has put the division in the commercial-type electronics field.

The equipment to be produced is a significant departure from the high-technology flight hardware the division has become accustomed to producing.

"To gear ourselves to build the more commercial-type ground-based equipment, we have established a separate facility to meet the cost requirements of the program," Edmund F. Haeger, business manager for the program, said.

Administrative, engineering, and production facilities are housed in leased space at 2786 S. Federal Blvd.

Production line for the three-year program will begin pilot operation about November 1 and be in full production early in 1976.

The checkout, control, and monitor subsystem is a major part of the electronic equipment that will perform checkout, propellant loading, launch control, systems monitoring and data processing for the Space Shuttle vehicle prior to and during its launch.

Space Shuttle, to be operational in 1980, will be a reusable, low-cost, space transportation system that will replace virtually all current U. S. launch vehicles.

Eugene C. Wood is program director. His deputy is Curtis D. Brudos. Others on the program are William Brett, engineering manager; Pat E. Pecht, production manager; Richard Brown, quality manager; and Haeger.

Backup MDA sent to Smithsonian

A backup Multiple Docking Adapter built at Denver for the Skylab program is being shipped to the Smithsonian Institution in Washington, D. C.

The MDA, built but not needed on the Skylab program, will be displayed at the Smithsonian's new National Air and Space Museum along with the backup Orbital Workshop and Airlock Module. The Museum is set to open July 4, 1976, and eight million visitors a year are expected to see the hardware.

All equipment that can be used in current programs, such as Space Shuttle and Spacelab, has been removed from the backup hardware.

The Skylab hardware will leave Marshall Space Flight Center, Huntsville, by Oct. 31 and arrive in Washington by Nov. 20.

Martin Marietta President J. Donald Rauth, right, recently received the Treasury Department's Minute Man Flag award from Francine I. Neff, Treasurer of the United States and national director of the U. S. Savings Bond division, at the Corporation's headquarters in Rockville, Maryland. The award was in recognition of Martin Marietta's participation in the U. S. Savings Bonds Payroll Savings Plan. Mr. Rauth also was cited for his achievements as Aerospace Industry chairman for the 1975 U. S. Industrial Payroll Savings campaign.

Houston employees take part in NASA Apollo Soyuz project

Roger Kessinger and Roger Michaud, employees at the division's Houston operations, were members of the NASA Apollo Soyuz test project recovery operations.

The team coordinated the pre and post-flight medical baseline data collection and managed, operated, and maintained the Apollo Soyuz Mobile Laboratory.

The laboratory, previously the Skylab Mobile Laboratory, was originally outfitted, operated, and maintained by Martin Marietta for the Skylab program and was used in support of each of the Skylab recovery missions.

Kessinger and Michaud performed the same functions during the Skylab missions and have participated in NASA recovery operations since Apollo 17. Their participation in the Apollo Soyuz mission was specifically requested by NASA's Johnson Space Center.

Marilyn Reider has received the Air Force Plant Representative Office Top Lady award for the first half of 1975. Purpose of the award is to give AFPRO supervisors a means of recognizing "The Outstanding Performance" (TOP) Lady.

Inventors share in product income

Miller participates in White House briefing

W. L. (Bill) Miller, chief, security and plant protection for the division, was among participants at a recent security briefing held at the White House. He is a member of the board of directors of the American Society for Industrial Security (ASIS).

Among the topics selected by the White House staff and ASIS for the briefing were private security and public agency enforcement cooperation; privacy legislation and regulations; and safeguarding classified information.

Principal participants for the government included Charles R. Work, deputy administrator of the Law Enforcement Administration in the Department of Justice; George Trubow, general counsel for the Right to Privacy Committee, which is part of the President's Domestic Council; and Joseph J. Liebling, Deputy Assistant Secretary of Defense for security policy.

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Three Denver division inventors will share in Martin Marietta income from their inventions. They are Paul Bingham, Ralph Eberhardt, and Ed Miller.

When Martin Marietta Aerospace inventions are exploited by sale or license, the Corporation may authorize a discretionary payment to the inventors.

Rights to the Cryosurgery Necrosis technology developed by Bingham and Eberhardt have been sold by Martin Marietta to Valleylab, Inc. The agreement calls for payments to Martin Marietta based on a percentage of sales of certain instrumentation made by Valleylab.

A royalty bearing license has been granted to G. C. Electronics for manufacture and sale of Frequency Controlled Inverters under a Martin Marietta patent of which Miller is a co-inventor. Terms of the license call for payment to Martin Marietta of a percentage of net sales of all inverters made and sold under the agreement.

In his letter to the inventors, Herman Pusin, vice president, engineering and research for Martin Marietta Aerospace, said, "This payment reflects, in part, our appreciation of your contribution to the Corporation. I hope that all of your future inventions will be equally rewarding."