

MARTIN MARIETTA

news

DENVER AEROSPACE

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MX IFSS components



Denver Aerospace business is strong, broad-based



Fourth stage and re-entry system of ground test MX were joined by technicians during the pre-test assembly of a full-size model in the first half of 1982.

Employees required to report inventions

Most government contracts signed by Denver Aerospace require the company to grant the government rights to all inventions made while working on the contract.

"That is an important reason why employees are required to sign the Employee Patent and Confidential Information Agreement," says Phillip L. DeArment, Denver Aerospace patent counsel. "Without the signed agreement from employees, the company could not comply with the patent rights clause in government contracts. Such non-compliance would adversely affect our role as a government R & D contractor."

In signing the agreement, employees not only grant the company rights to certain of their inventions, but also agree to promptly report such inventions. Inventions that must be reported are those made while performing assigned duties, as well as inventions whose subject matter relate to Martin Marietta's product lines, work, or investigations (or the product lines, work, or investigations of affiliate companies).

Not all inventions reported are patented. After a technical evaluation, the Denver product development review board reviews the inventions. The board determines if a patent will be sought and whether the inventor will receive a cash award. An award may be made even if no patent is sought.

An employee may also receive the rights to a reported invention if there is no clear company interest in retaining the rights. A de-

Denver Aerospace employment remained stable during the first six months of 1982, and the forecast is that it will continue at the same level for the remainder of the year.

There are 9,200 employees in Denver and 7,500 in operations in Florida, Louisiana, and California.

"We have, essentially, reached the staffing and training goals set three years ago to meet long-term contract commitments," said Norman R. Augustine, Denver Aerospace president.

"Now we're positioned, with facilities and capacity, to move toward a new plateau in the aerospace marketplace. There are significant new business opportunities available, and we're ready to compete for them."

During the first half of the year, \$555 million in new and follow-on orders were added to the business base.

Major components of this additional work include ground support systems for the Space Shuttle at Vandenberg Air Force Base; additional external tanks for Space Shuttle; production of Titan 34D launch vehicles; Titan III launch service at Cape Canaveral; and design and engineering of the MX launcher.

Bids are planned on several contract opportunities during the latter part of the year which include a portion of the Air Force space defense operations center in Colorado Springs; a 100-megawatt solar power plant in Southern California; and use of the astronaut manned maneuvering unit to repair the disabled, orbiting Solar Maximum satellite.

Performance highlights during the first part of 1982 included the participation in successful launch operations of two Space Shuttle and two Titan III vehicles; structural testing of the MX missile; and the completion of solar power generation plants in Riyadh, Saudi Arabia; Phoenix, Arizona; and Barstow, California.

IFSS for MX undergoing tests

The instrumentation and flight safety (IFSS) for the MX is currently being tested prior to the missile's flight test program next year.

The equipment will be used to monitor the performance of the various stages of the flight test missiles at Vandenberg Air Force Base in California.

Denver Aerospace designed and built the system including hardware, production software, and test sequences. The IFSS integration testing under way in Denver is being conducted under the leadership of project director John Vega.

Two IFSS module stacks for the reentry system of a pathfinder missile were shipped to Vandenberg at the conclusion of testing here. They will be tested further at Vandenberg and will then provide data management and system power control functions for the pathfinder.

The IFSS avionics equipment will supply a

cision not to seek a patent, however, does not mean the company has no interest in the invention. In fact, most inventions are not patented, but are retained as a part of the technology base for later use.

Inventions should be documented on Idea Report Form B and the original sent to the patent department, Mail No. 2100. Questions on obtaining forms, how to report, or what is reportable will be answered by that department, Ext. 6500 or 6501.

continuous flow of missile performance and will provide tracking signals to monitoring stations along the Pacific test range. It will also receive and decode missile destruct signals if necessary.

According to Vega, the IFSS ground support equipment will handle approximately four times the data required for launches of other boost vehicles.

The ground support equipment includes communications and data controller sets, test operations consoles, and telemetry test sets. It also consists of a data switching unit and equipment at MX facilities at Vandenberg that will provide information on all pre-launch activity.

Operational ground support equipment is being installed at the integrated test facility, test pads, and other assembly and test areas at Vandenberg.

On the cover

Instrumentation and flight safety system components for the reentry vehicle and fourth stage of MX are readied by David D. Kampsnider, kneeling, and James W. Bridger.

Direct medical claims service begins this fall

Medical claims will go direct to area Connecticut General claims offices instead of through company employee benefits offices beginning this fall.

Direct claims service begins September 1 for Vandenberg, Michoud, Cape Canaveral, and Kennedy Space Center employees; October 1 for Denver employees.

The employee benefits office will provide new claim forms, and will continue to help employees with their total benefits program.

Employees will be able to call local Connecticut General claims offices and talk directly to benefits analysts assigned to Martin Marietta claims.

Details of the new service, with directions for completing the new forms, will be mailed to employees and posted on bulletin boards.

Connecticut General's Los Angeles office will serve Vandenberg; the Atlanta office will serve Canaveral and Michoud; the Denver office will serve employees here.

There is no change in the procedure for filing dental claims. They will continue to be mailed to the Connecticut General Dental Claims office serving each location.

The benefits office anticipates faster service for employees from the direct claims service.

Blood unit visits DSC July 30

How important are employee donations to the Belle Bonfils Memorial Blood Center?

Ask C.L. Christopher, quality, currently recovering from bypass surgery, complicated by internal bleeding.

"All I know is when I was in intensive care getting seven units, I didn't get billed for them, and that's gotta be good! When you're hemorrhaging inside and you need blood and it's there... what can you say?"

Employee participation assures credit by the Blood Center for all employees, retired employees, and family members, whether they have donated or not.

The need for blood donations becomes critical during summer months. More than 500 pints of blood were brought from other states during June to meet demands in the Denver metropolitan area.

The Belle Bonfils mobile unit visits the Denver Service Center from 9:00 a.m. to 2:30 p.m. July 30. Employees wishing to donate blood must be 18 to 65 years old, weigh at least 110 pounds, be in good health, and have waited at least eight weeks since their last donation.

Make appointments to donate through department secretaries July 19 through 26, or call Lori Sharp, blood bank coordinator, Ext. 6605.



Junior Achievement advisors were presented certificates and pins at a recent appreciation breakfast. In the photo, left to right, Michelle Hollandsworth, program director at Junior Achievement; Julie Justin, Pamela Rechel, Dennis Kolemäinen, Randy Wilkerson, Wendell Chun, Robert Cecil, Nelson Nagai, and Leonard Franzblau, advisors for the Fall '81 and Spring '82 semesters; Dominic Verrastro, employee labor relations manager; and Lori Sharp, Junior Achievement coordinator here.

Michoud division earns agency award

The Defense Logistics Agency has presented the Michoud division an award for contractor excellence in assisting small disadvantaged businesses.

The award, given annually, recognized a prime contractor who has extended the best effort in developing small disadvantaged subcontracting programs. The success of the Michoud program to provide managerial, technical, and financial assistance to disadvantaged firms contributed to the agency's decision to honor the division.

Michoud had been a regional winner of the award before being selected for the national award.

Bond buying increases

More than 13,000 Denver Aerospace employees are participating in the U. S. Savings Bond payroll deduction program.

Participation increased from 61 percent at the beginning of the campaign to 79 percent at the end of the drive.

As reported earlier, Canaveral operations and the Michoud division were the pacesetters with 95 percent and 94 percent participation.

Vandenberg finished with 76 percent participation, up from 44 percent.

At Denver, the participation increased from 64 percent to 74 percent.

Employees who did not sign a payroll deduction card during the campaign may do so at anytime.

Recreation—

Archery—Red Rock Bowmen will discuss range hunting and club reorganization, July 21, 5:00 p.m. at the recreation area club house. For information, call Duane Van Deventer, Ext. 4026.

Parapsychology—Lt. Col. Thomas Bearden (USAF-Ret.) will lecture on scalar wave technology applications to paranormal phenomena. Updated electro-magnetic theory relating to Tesla technology will also be discussed at the special July 23 meeting, 5:15 p.m., West Point building, room 271. For information, call Gloria Kratz, Ext. 5609.

Scuba—Freshwater/high altitude diving will be the topic July 26 at the Full Fathom Dive Club meeting, 6:30 p.m., DSC, Room 200K. A trip to Lake McConaughy NB is planned for July 31-August 1. For information, call Jeryl Voegtly, Ext. 1913 or Ronald Blake, Ext. 3619.

Theater—Discount movie tickets for General Cinema theaters are now \$2.50, as are Mann theater tickets. American Multi-Cinema tickets are still \$1.75.

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DENVER AEROSPACE
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Employees active in Confederate Air Force

Neither man claims to be from the South, but both are full colonels in the Confederate Air Force.

To C.P. Kinney, a property management specialist, and James E. Ahl, contracts, the rank doesn't mean that much. It's the preservation of World War II military aircraft that commands their attention. And, after all, everybody in the Confederate Air Force is a colonel.

Kinney and Ahl are two of the eight founding officers of the Colorado Wing of the CAF, and have been active since the wing was chartered in 1978.

The CAF had its unofficial beginning in 1957 in Mercedes, Texas, when a group acquired a P-51 Mustang. Objective of the organization is to preserve in flying condition as many of

the types of World War II combat aircraft as possible.

Both Kinney and Ahl became interested in the CAF in 1976 when they saw the organization's Bi-Centennial show in Colorado Springs. Each had been in the U.S. Air Force, Kinney as a radar technician on B-47s and Ahl, as he puts it, "a B-29 driver."

Ahl was recently selected as safety officer for the Colorado Wing and Kinney has just relinquished his PX officer duties to devote his spare time to getting his pilot's license.

Latest projects of the CAF are to restore a Martin B-26 Marauder and Martin AM-1 Mauler.

CAF headquarters and museum are at Harlingen, Texas.



Confederate Air Force Colonels C. P. Kinney and James E. Ahl stand in front of "Fifi", a combat veteran of World War II fighting in the Pacific. The B-29 was restored by members of the Confederate Air Force and is part of the organization's flying museum of military aircraft.

Group insurance, Medicare both necessary after 65

Employees who work beyond age 65 and their spouses who are nearing 65 both should apply for Medicare about three months prior to reaching 65.

Medical group insurance plan payments are reduced by the amount payable under Medicare—whether Medicare is in effect or not.

Application for Medicare is automatic when applying for Social Security retirement benefits, but if you don't retire at 65, you must

apply separately for Medicare. Application forms and information are available from local Social Security offices.

There are two parts to Medicare coverage—part A, hospitalization insurance, and part B, supplementary medical insurance. Employees and spouses would enroll in both programs.

If you have questions, contact the employee benefits office, Ext. 5680.

Registrations due for advanced classes

Employees wanting to take graduate classes under two programs to be offered here are required to register in August.

Registration for SURGE, the graduate program in engineering and business from Colorado State University, is due Friday, August 6.

A limited number of graduate courses in engineering are available in the ACE program from the University of Colorado at Boulder. Preregistration—to determine interest in the program—is due Friday, August 13.

Courses in both programs are offered on videotape at company facilities.

Information and registration forms are available at the education services office, Eng. 231.

Employee teaches in honors program

Stephen M. Pompea, payloads, sensors, and instruments, has completed a two-week assignment as a teacher in the Nebraska Summer Honors Program.

This is the fifth year Pompea has taken a leave without pay to participate in the program. Acknowledged as an outstanding gifted education program, it brings together exceptional students and teachers in science, mathematics, art, social science, creative writing, and medical science for two intensive weeks of study.

Pompea taught an advanced physics course.



White House briefings on regulation reform in the safety field were attended by Randall L. Williams, second from right, manager of mission assurance at El Segundo operations. The briefings were hosted by Vice President George Bush, second from left. Also in the photo are, left, Nancy Steorts, chairman of the product safety commission, and Michael Orn, executive secretary of the Board of Certified Safety Professionals. Williams is the 1982 president of that board.