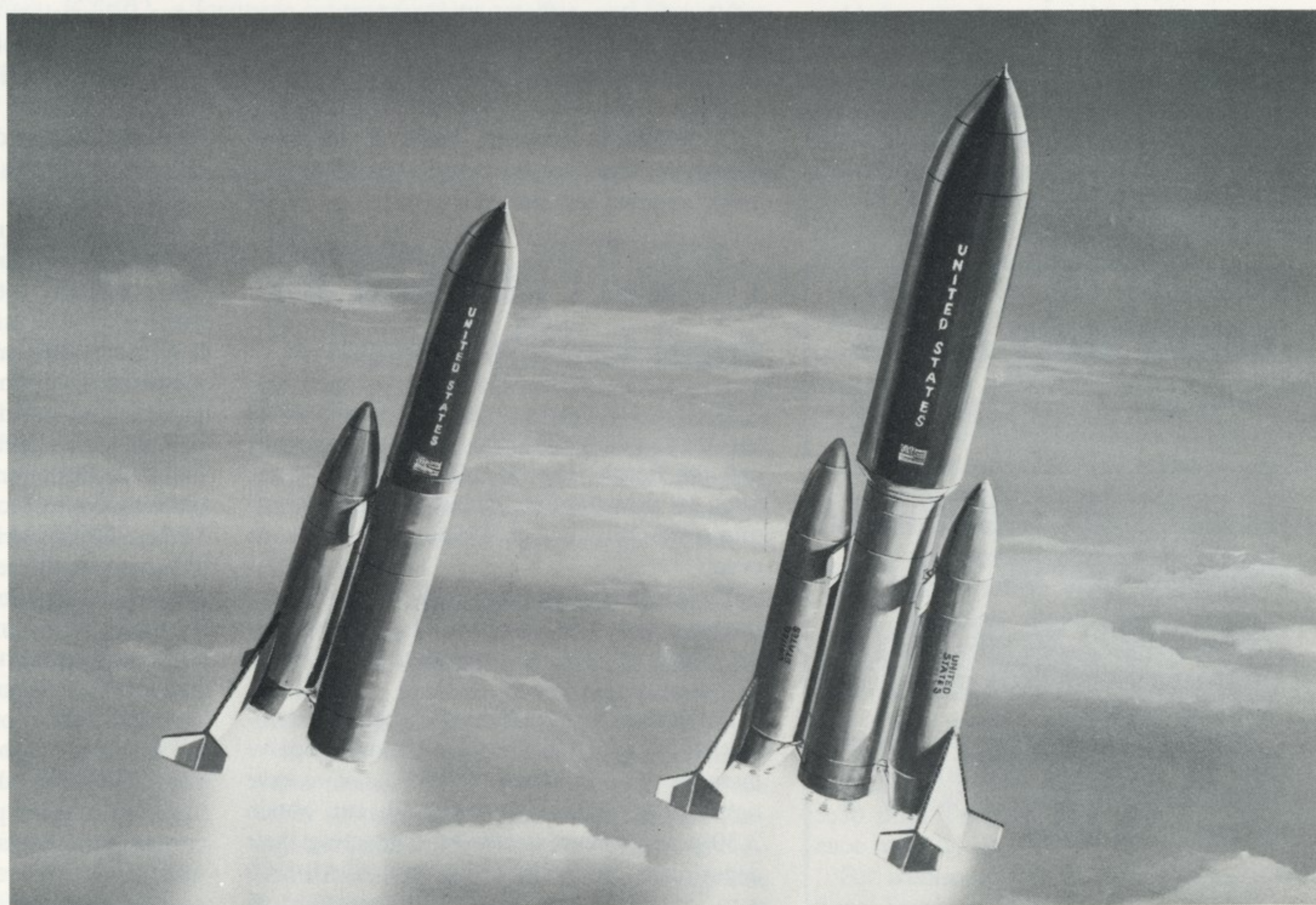
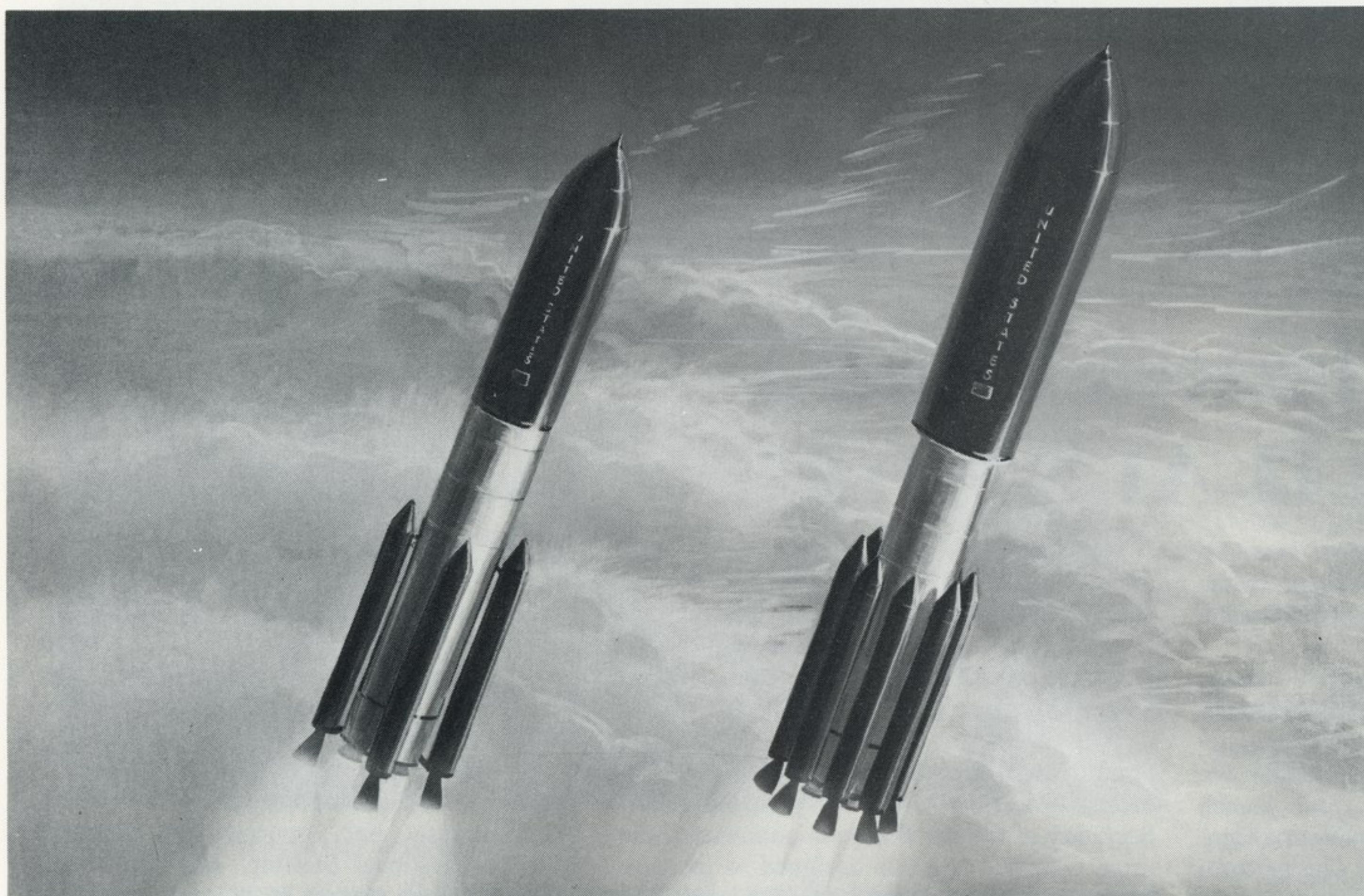
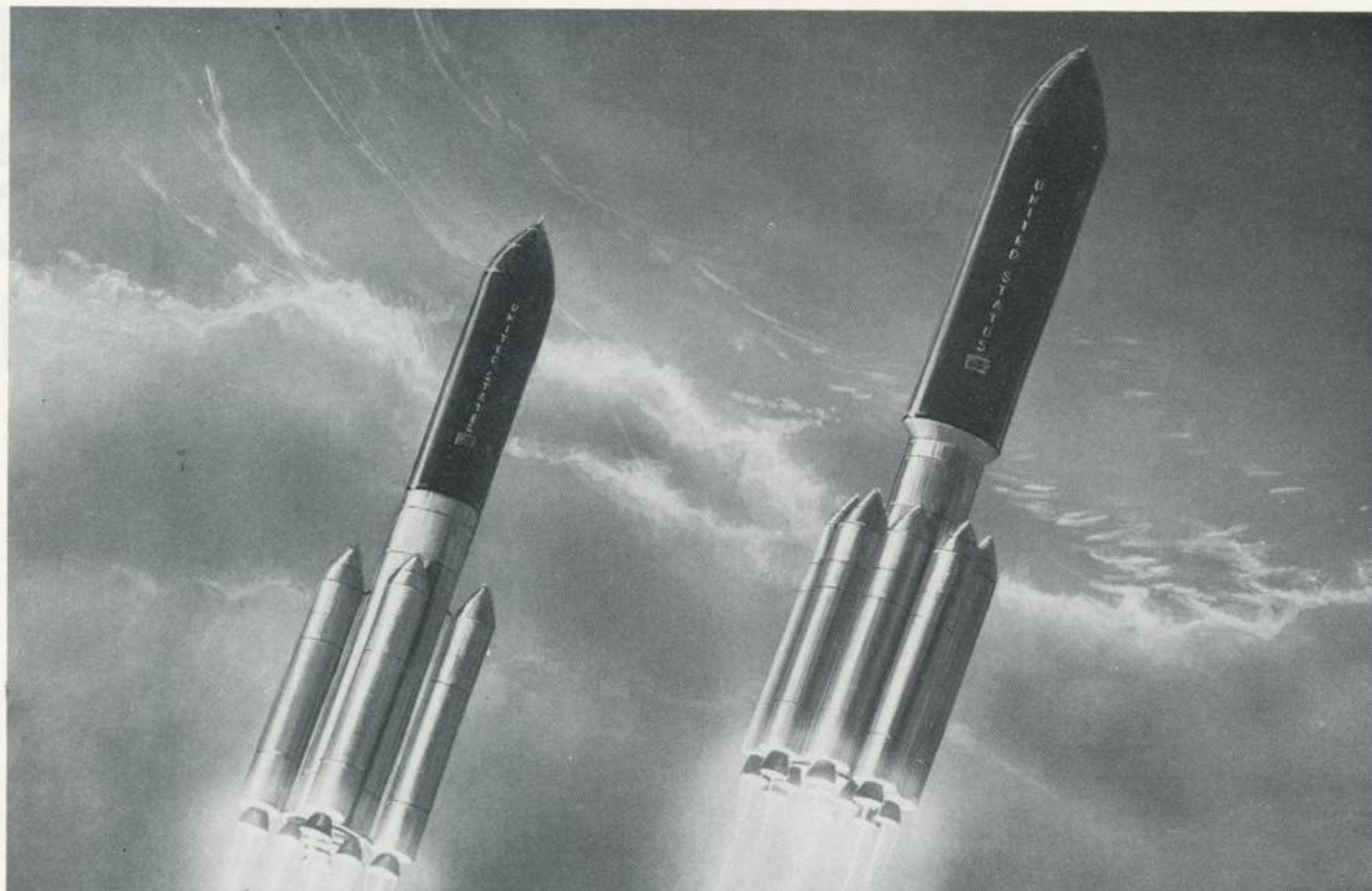


August 26, 1988 Number 18

Company named ALS winner





Shown are two artist's concepts for the advanced launch system.

Martin Marietta chosen for Phase II ALS work

Martin Marietta Corporation has been selected by the Air Force to participate in the second phase of the Advanced Launch System (ALS) program.

Under the two-year competitive effort, Martin Marietta, teamed with McDonnell Douglas Corporation, will perform system design and technology demonstrations for the next generation heavy-payload space launch system. Boeing Aerospace Company and General Dynamics Corporation will also perform similar work under competitive contracts.

"It is extremely important for the Astronautics Group to be involved in this next phase of ALS," said Warren G. Beery, vice president of ALS. "Our team, which includes McDonnell Douglas, brings together more than 25 years of experience, knowledge, and know-how in launch vehicles."

The contract to be negotiated is a cost plus award fee type with a cost plus fixed fee line item for special studies. This includes a joint effort for technology development between the Department of Defense and the National Aeronautics and Space Administration.

"We have begun the narrowing process to build the next generation family of launch vehicles," said Edward C. "Pete" Aldridge Jr., Secretary of the Air Force, in announcing the three winners. "ALS is designed to increase launch reliability and reduce launch costs. The ALS technology effort will provide this country with the booster systems that will carry us into the 21st century," said Aldridge.

Seven contractors completed Phase I concept definition contracts. Each of the seven companies was awarded a one-year, \$5 million study contract last summer. ■

Concert planned for final family event

The final company-sponsored family event for 1988 will feature the Denver Symphony and the Beach Boys at 2:30 and 8:00 p.m., Sept. 10 at McNichols Arena. Department administrators are now distributing tickets for the event.

The Denver Symphony will present a pops program under the direction of guest conductor, Newton Wayland, followed by a Beach Boys concert.

Employees who requested tickets by completing the family activity card should receive them by Sept. 6. Those who did not reserve tickets, but would like to attend, can obtain 2:30 p.m. concert tickets by contacting their department administrator by Sept. 6. All 8:00 p.m. concert tickets have been allocated. ■

Don't post items

Employees are reminded that announcements on upcoming events, visitors or other activities must be submitted to the Public Relations or Recreation departments for posting on the appropriate bulletin board.

Employee news items should be worked through Public Relations, Ext 7-5364, and Recreation items should be coordinated through the Recreation Office, Ext 7-6605.

Recently, there has been a proliferation of confusing and unsightly employee-posted items, especially at the Deer Creek facility.

Barry and Aldridge receive AFA awards

Major General Edward P. Barry Jr., commander of the Ballistic Missile Office at Norton Air Force Base in California, and Major General Donald O. Aldridge, commander of the 1st Strategic Aerospace Division at Vandenberg Air Force Base, both received California Air Force Association (AFA) 1988 Activity Awards at a ceremony Aug. 3-5, in San Diego.

Barry received the Excellence in Management Award for his work that helped deploy the Peacekeeper intercontinental ballistic missile ahead of schedule and below its estimated cost, and for his contribution to the development of the Small ICBM to its point of ready availability.

Aldridge was selected by the Association as Man of the Year for his contributions to the nation's defense through his "farsighted and dynamic" leadership of the Strategic Air Command ICBM force at Vandenberg. ■

Loaned executives assist Mile High United Way

Behind Martin Marietta's charge to become a leading supporter in the Mile High United Way's summer pacesetter campaign were Jim Schaefer and Dan Amerman—two executives who were loaned to United Way to coordinate drives for the second straight year.

Schaefer, of Strategic Systems Personnel Administration, and Amerman, of Strategic Systems Personnel Staffing, said they have each worked an average of 25 hours per week since February to help the company reach its \$2 million contribution goal.

"We put in a few late nights," Amerman said. "But it was worth it. It's good to know that with the coordinating effort of a few people, the employees of this company are making a difference."

"Last year, Martin Marietta employees donated \$1.8 million," Schaefer said. Currently, the campaign totals are more than \$1.87 million.

As part of the campaign effort, Schaefer and Amerman coordinated over 60 employee volunteers and acted as a liaison between the company and United Way. Together they produced a video and conducted meetings explaining the services of the various Mile High United Way agencies.

Schaefer said he spent months visiting people and researching facilities that will benefit from the campaign.

"I went to the various agencies to examine the needs of the community and brought that message back to our people," Schaefer said.

"My number one incentive for this work was satisfaction," he continued. "To know that I've done a small part to fulfill the needs of the community. The success of the drive reflects Martin Marietta as a tremendous company and as a leader in the community." ■



Firetruck shines at event

Larry Rounds, a corporal in Plant Protection's fire department (right), shows Scott Roberts of Littleton and a friend "under the hood" of one of Martin Marietta's firetrucks. The truck, one of three the company uses, was on display July 16-17 at the Ralph Schomp Fire Truck Muster benefit in Littleton. The event benefitted "Hope for Children," a child abuse prevention organization. "A lot of people came up to say they didn't know Martin Marietta had their own fire department," Rounds said. Rounds was joined at the Muster by Jack Prather, two of 30 members of the fire department under the direction of Lt. Ted Housley.

Internship program a mutual success

This summer, Martin Marietta hired 87 college students under an internship program described as a "great breeding ground for the future of our company," by Robert Gammill, chief of College Relations.

The majority of the students were involved with special projects in engineering and business, and they worked throughout the Astronautics Group, Gammill said.

"We were exceptionally pleased with this year's group of summer interns," said Richard E. Weber, vice president of Personnel. "We hope to have many of them on board a year from now."

Dwaine Schilling, manager of Human Resource Management, said that "although some of the interns will receive job offers from the company at a later date, the intent of the program is to get as many offers as possible into the hands of the students before they go back to school."

Nearly 5,000 students applied for internships, and the collective intern grade point average of those selected was 3.3.

"The students we chose were really the cream of the crop," Schilling said. "You can deliver a pretty good guarantee that each will become a good employee . . . ready to make an impact as soon as they start."

The internship program created a symbiotic relationship between the corporation and the interns, said Schilling. Beyond the hands-on experience Martin Marietta provided the students, many departments received the assistance necessary to complete special projects and to maintain productivity during traditional peak vacation times for regular employees.

Schilling said the internship program also provided the opportunity for both parties to test and evaluate each other, which will aid in recruiting up to 300 new graduates next year.

"One of the great things about the internship program was that all of the interns I know were getting practical experience instead of running errands," said Will Seccombe, a marketing major at Southern Methodist University and student employee with the Business Development/Marketing Information Center at Deer Creek.

Line supervisor study underway

The Organization and Management Development department has initiated a study to define key competencies of Astronautics Group line supervisors.

A line supervisor is defined as one who supervises the work of nonsupervisory personnel. The study, which will identify key items that make supervisors successful, will serve as the basis for designing a supervisory model of abilities and skills that correlates with high performance.

Results from the study will help the Astronautics Group assess potential supervisors; evaluate current supervisors; and train, select, appraise, and assign supervisors.

30% OF THE HOMELESS IN COLORADO ARE CHILDREN.

United Way allocated \$2.3 million for homeless services last year.



COMBINED FEDERAL CAMPAIGN © 1988 Mile High United Way

Career Women's workshop scheduled

"Building Effective Communication Skills," is the subject of the next Career Women's Association workshop at 5 p.m. Thursday, Sept. 1, at the DSC I MIC conference room.

Jerry Pitts, a Company Equal Employment Opportunity and Affirmative Action officer, will cover communication styles, conflicts, and misunderstandings that arise in cross-cultural interactions. Pitts also will discuss ways to make communication more effective.

For more information, please contact Norma Beasant at Ext 7-3144.

CSU class offered

A Colorado State University program known as "SURGE" (State University Resources in Graduate Education) offers videotaped courses for employees to view at work to complete graduate degrees.

CSU is considering offering a Master of Science and doctorate degree in statistics through SURGE, but needs to gauge the interest level at Martin Marietta before doing so. If you're interested, please call the education office at Ext 7-4050 or Ext 7-3636.

Boy Scout registration scheduled for Sept. 15

The Denver Area Council of the Boy Scouts of America will conduct its annual "School Night for Scouting" recruiting program from 7:00-8:30 p.m., Thursday, Sept. 15, at all Denver metropolitan elementary schools.

The program will include registration for Tiger Cubs, for first grade boys; Cub Scouts, for second through fifth graders; and Boy Scouts, for boys in the sixth grade and older.

All boys and their parents are invited to attend. Trained volunteers will be on hand to answer questions and assist in registration.



Walking for the health of it

Leonard Jansen, left, a national-level racewalking coach and head of computer science at the Olympic Training Center in Colorado Springs, instructs Patti Hardin, center, and Carol Geoffroy during a recent clinic on the health benefits of fitness walking. The clinic was part of Martin Marietta's Health Awareness Fair.

Volunteerism flowers at arboretum

Almost 30 percent of the volunteers at Denver Botanic Garden's Chatfield Arboretum are employees of Martin Marietta. And, according to Assistant Director Dr. Wayne Christian, volunteers do more than 80 percent of the work—everything from typing to planting trees.

The Chatfield Arboretum, located south of C-470 on Deer Creek Canyon Road, west of Chatfield Reservoir between the Waterton and Deer Creek facilities, is just beginning a 25-year plan to reclaim 700 acres of farmland and develop a living museum for both amateur nature study and serious botanical research.

As part of this project, 18 acres of wetlands are being developed by the Colorado Highway Department and 70 acres of farmland have been replanted with native prairie grasses.

The original buildings of Hildebrand Farm, dating to the 1860s, are listed on the National Historic Register and are being restored. Deer Creek School, a one-room schoolhouse that dates to the 1870s, has been relocated and is in the process of restoration as a visitor center.

Celia Nobles, a finance estimator at Waterton, volunteers about seven hours a week painting and planting at the arboretum. Nobles likes being outside, away from the office environment.

"I worked on the Colorado Trail project for several years. Being on a trail crew taught me to appreciate good backbreaking labor. The arboretum gives me a similar experience every weekend, and it's close to home."

The abundance of wildlife is the attraction for hobbyist-photographer Bill Bevington.

Bevington is supervisor of publication services at Waterton. He spends his time photographing the birds and animals at the arboretum, then donates his slides for slide shows and a permanent record of the species that live or visit there.

"The arboretum has great wetland and riparian habitat, with lots of migratory birds and mule deer. It's a fantastic place. I've never gone through without stumbling on some sort of animal in a fantastic setting."

Many of the volunteers, including Bevington and Wilson, chose to take the naturalist-guide course. The seven three-hour sessions include information about the social and ecological history of the area and an introduction to the wildlife and plant life. Participants must promise to donate four hours of work each month.

Bevington calls this an "exciting free education." It's also an ongoing study, he says, because one discovery leads to another.

All the volunteers express the hope that the arboretum will continue to be funded adequately to keep the project schedule on time. The arboretum is funded entirely by private gifts and grants from foundations and businesses.

This year, Martin Marietta committed to a \$100,000 grant, spread over a three-year period, for research into ways to propagate and distribute wildflower seeds that are adaptable to the area. Wildflower species that lend themselves to widespread planting methods and environmental conditions will be turned over to the Colorado Department of Highways for eventual use as roadside cover. ■

Construction notes

Advanced Computer Laboratory (ACL)—Construction of the ACL, located north of the Advanced Research Laboratory (ARL), is now complete. Occupant move-in is scheduled for the end of the month.

Air Force Roads—Repair and repaving of roads north of the Missile Storage Building at Waterton is now complete.

SSB Elevator Rehabilitation—Rehabilitation of the existing SSB elevators is scheduled to start around the end of the month. Work is expected to last five weeks. The improved elevators controls should help alleviate current traffic problems. One elevator will be operational while the other is being worked on, which may cause some delays during construction. Bulletins will be posted to notify employees when the work will begin.

EMF III Parking Lot & Space Park Road Improvements—Design is nearly complete for Space Park roadway repair and repaving. In addition, approximately 200 additional parking spaces will be provided adjacent to the new Electronics Manufacturing Facility III. Construction will begin in late September and should be complete by the end of October.

Integrated Robotics Facility (IRF)—Earth moving is in progress in preparation to build an Integrated Robotics facility just south of the new Advanced Computer Laboratory (ACL). The work should be complete by the end of February, 1989.

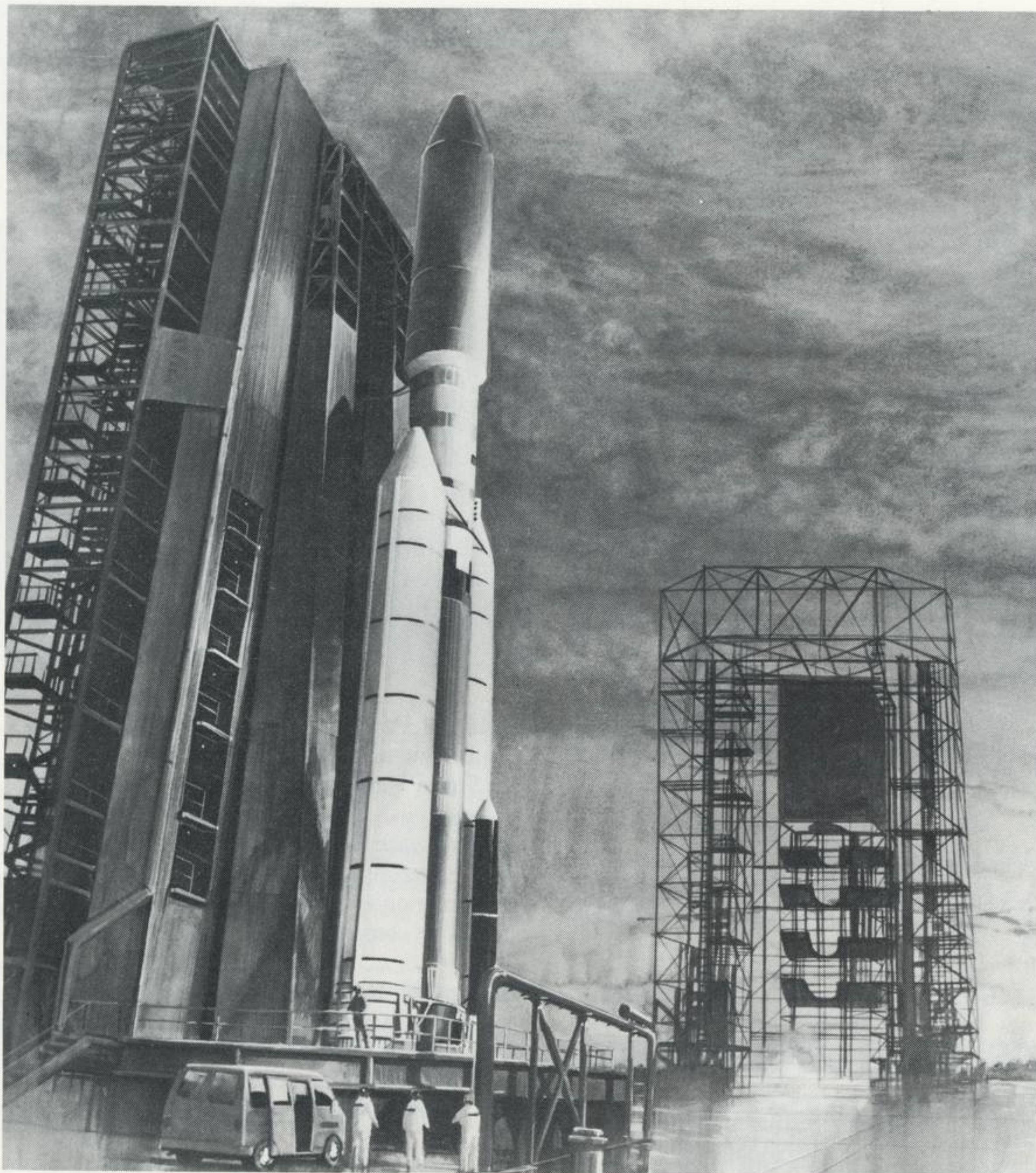
Final Polishing Building, Waste Treatment Plant—Construction of the three 500,000-gallon waste storage tanks and the Final Polishing Building continues at the Waste Treatment Plant at Waterton. The facilities should be complete by the end of the month.

Electronics Manufacturing Facility (EMF) III—Construction of the new Electronics Manufacturing Facility III is nearing completion, with occupancy scheduled for mid-September. ■

Financing plan offered for auto and vacation

Red Rocks Federal Credit Union and Automotive Financial Services (AFS) currently offer an unusual financing plan that allows employees to purchase a car and take a vacation at the same time.

To participate, employees may contact either Red Rocks or AFS and specify the desired vehicle and vacation destination. Red Rocks will then make necessary travel arrangements for participants to fly to a vacation spot and drive a new vehicle home from there. Red Rocks will handle financing needs as well, with rates starting at six percent. Restrictions do apply and this offer expires August 31. ■



Commercial Titan on the launch pad

This artist's concept depicts the first Commercial Titan ready for launch next summer. That launch will carry two satellites: JCSAT-2, a Japanese communications satellite, and Skynet 4, a British military communications satellite. Commercial Titan, Inc., has been notified that it will receive a \$300,000 contract from Hughes Space & Communications Group to study adapting the U.S. Navy UHF Follow-On satellite system for possible launch on a Commercial Titan.

Astronautics expands Strategic Systems

Martin Marietta Astronautics Group this week expanded the responsibilities of one of its operating companies to focus attention on several key aerospace programs.

Several programs in the Space Launch Systems company have been transferred to the Strategic Systems company. The move allows Space Launch Systems to concentrate exclusively on its Titan launch vehicle programs for the U.S. Air Force, and widens Strategic Systems' business to include new programs for both the National Aeronautics and Space Administration, the Department of Defense, and other government agencies.

"This is an important change because it enables Space Launch Systems to focus totally on growing Titan business, while at the same time giving added emphasis to the programs that are being transferred to Strategic Systems," said Peter B. Teets, President of Martin

Marietta Astronautics Group.

NASA programs being transferred include the Transfer Orbit Stage (TOS), an upper stage vehicle used to boost payloads from the Space Shuttle to higher orbits, and the Space Transfer Vehicle, a research program examining future reusable upper stages. Both are managed by NASA's Marshall Space Flight Center in Huntsville, Ala.

Robert E. Vosbeek is director of the TOS program. Joseph T. Keeley has been named to manage the other programs being transferred to Strategic Systems, according to James A. Sterhardt, president, Strategic Systems.

In addition to the Space Transfer Vehicle, these include the National Aerospace Plane under subcontract to McDonnell Douglas Corporation, and supporting independent and contract research and development programs (IR&D and CR&D). ■

Corporate news

Wiltshire named as new vice president



Wiltshire

Martin Marietta Corporation has appointed Raymond S. Wiltshire, a senior research executive, as vice president of Computer-Aided Productivity, effective Sept. 1.

Wiltshire, who has been executive director of the Oak Ridge National Laboratory for Martin Marietta Energy Systems, Inc., will coordinate all computer-aided productivity initiatives throughout the Corporation.

He joined the company in 1958 and held several key technical management positions in research and development for Denver Aerospace, including such major space and defense programs as the Mariner and Voyager space probes, Viking Mars landers, and Titan space launch vehicles. In 1984, he joined the Energy Systems subsidiary, which manages the Department of Energy's facilities at Oak Ridge, Tenn., Paducah, Ky., and Portsmouth, Ohio.

Company awarded Copperhead contract

Martin Marietta Missile Systems in Orlando won a \$122 million extension contract to produce an additional 3,600 Copperhead laser-guided antitank projectiles under two Army contracts. The award will extend Copperhead production into 1990.

The first contract represents the Army's 1988 production buy of 2,700 rounds and is valued at \$94.7 million. A second contract, valued at \$27.3 million for 830 rounds, resulted from the Army's decision to complete Copperhead production last year.

Copperheads are fired from conventional 155-millimeter howitzers and are guided by lasers produced by remotely piloted vehicles, helicopters, or ground-based units, providing pinpoint accuracy. ■

Registration scheduled for CU-Colorado Springs

Steve Ellis from the Continuing Education Department of the University of Colorado at Colorado Springs will conduct a briefing and registration meeting for the Masters of Science in electrical engineering with an emphasis in systems engineering program from 3:30 to 5:30 p.m. Tuesday, Sept. 6 at LSC, conference room 212B.

For additional information, contact Educational Services at Ext 7-3736 or 7-4050. ■

Employee services/recreation

Blood Drive at LSC—The Belle Bonfils blood bank will have a blood donor site from 8:30 a.m. to 2:15 p.m., Wednesday, Aug. 31, at LSC, room 107. Individuals at GEPS, LSC and South Park are encouraged to participate and can schedule an appointment by calling Sue Lloyd at Ext 7-0484. People from I&CS and the Astronautics Group can call the Employee Services office at Ext 7-6605 or 7-6750 to make an appointment.

Smoking Cessation Classes—This fall, quit for good. Free smoking cessation classes are available to all Martin Marietta and Air Force personnel, their spouses, and dependents. Classes consist of four meetings from 5:00-6:30 p.m., Sept. 12, 15, 19 and 22, at Goddard Middle School. Classes will also be offered in October and November. To register, complete the form in the Martin Marietta education catalogue or obtain the 'Fresh Start' flyer from the Employee Services racks.

Fathom Dive Club—A general membership meeting will be held at 6 p.m., Friday, Aug. 26, at A-1 Dive Shoppe, 1800 W. Oxford Ave. All club members and prospective members are invited. For additional information, contact Bob Rowe, Ext 7-6589, or Peggy Miller, 361-4924.

Running Club—The Shepherders Club will begin the fall race series at 4:45-5:00 p.m., Thursday, Sept. 1, in Waterton Canyon. Other race dates are Sept. 15 and 29, and Oct. 13 and 27. Obtain an information sheet from the Employee Services racks, or call Brad Eckoff, Ext 7-7102, or 7-5432.

Mile Hi L5 Space Society—Invites you, your friends and family to join them on the second Friday of each month at 7 p.m. at the South Park West Martin Marietta facility. Call Barry Tuell at Ext 7-8137 (work), or 973-7874 (home), for more information.

Satellite Ski Club—The club will have its annual picnic Sept. 16 at the recreation area for members and prospective members. ASA Skiamericards and Gold C books will be sold. For more information, see the flyers in the Employee Services racks, or call Steve Packard, Ext 7-3830, Jane Baumann, Ext 7-4977, or Ben Porter, Ext 1-1421.

Basketball and Volleyball—Employees are needed to help coordinate the fall basketball and volleyball leagues. Interested employees should call the Employee Services/Recreation office at Ext 7-6605 or 7-6750.

Discount Movie Tickets—Movie tickets for Mann, Commonwealth, and AMC theatres are sold for \$3.00 at the Employee Services/Recreation office

located at the Deer Creek Facility on the third floor, or from volunteer recreation representatives at Linpro, DSC, Terrace Towers, Greenwood, LSC and Waterton. Only checks are accepted. Each ticket bears an expiration date and there are no refunds. Call the Employee Services/Recreation office at Ext 7-6605 or 7-6750 for details about the representative closest to your work area.

Martin Marietta Barber/Styling Shops—Convenient, professional, low-cost hair cuts are available to all employees and Air Force personnel at the following locations: Waterton—Engineering Building, basement, Tuesday-Thursday 6:30 a.m.-3:00 p.m. and Friday 6:30-11:30 a.m., Ext 7-3029; LSC—new location: west and south of cashier, with new hours, Monday and Tuesday, 6:30 a.m.-3:00 p.m., and Friday 6:30-11:30 a.m., Ext 7-0560. The barber/stylists at Waterton and LSC are Bill and Deb Baker. Greenwood—Building 6050, Monday 6:30 a.m.-3:00 p.m., by barber/stylist Deb Baker, Ext 7-1321; DSC—ground floor, Tuesday-Thursday, 6:30 a.m.-5:00 p.m., by barber Doc Allison, Ext 7-9157.

Correct procedures will help speed mail

With the consolidation of Astronautics Group facilities in full gear, Mail Services is asking all employees to follow a few simple steps to ensure fast and efficient mail service.

The Astronautics Group is currently serviced by a 12-person mail room staff which handles over 500,000 pieces of mail each month. Recently, about 3,000 pieces per week have arrived at the mail room with either no mail stop or no name listed. Without that information, the delivery process slows considerably.

The easiest way to make sure you get your mail is to instruct senders to include your full name and correct mail stop number.

In addition, employees should contact Telecommunications to update their locator cards after each move, and verify their information on the system. Locator cards can be found on page xvii of the Astronautics Group phone book. ■

MARTIN MARIETTA NEWS Published by Public Relations MARTIN MARIETTA

Call Ext. 7-5364 with information for articles.

Prepared and produced by the publications department

ASTRONAUTICS GROUP
P.O. BOX 179—Denver, CO

August 26, 1988

Martin Marietta awarded FAA contract extension

Martin Marietta has received a three-year, \$300 million contract option from the Federal Aviation Administration to continue as system engineer and integrator for the modernization of the nation's air traffic control, navigation, and communication systems.

The contract is the first extension option for system engineering and integration since 1984, when the FAA originally awarded Martin Marietta the contract as part of a \$16 billion modernization of the National Airspace System.

"This award continues the effort begun in 1984, which initially was focused on system design and planning," said Dan A. Peterson, president of the Martin Marietta Information Systems Group, which directs the company's Air Traffic Control division. "The emphasis is now shifting toward transition and installation of system hardware and software."

The original contract was awarded to Denver Aerospace, then a separate division was set up in Washington D.C. It later became a part of Martin Marietta Information and Communications Systems, and now reports to the Information Systems Group.

The modernization of the air traffic control network includes phased implementation of new computers, radar, landing systems, air controller displays, and other equipment. The network serves approximately 235,000 active civilian and military aircraft which fly more than 140 million operations a year. The FAA reported that it expects the number of operations to exceed 180 million by the turn of the century. ■

SIP values

Unit values for the savings and investment plan (SIP) for United Aerospace Workers (UAW)—and United Plant Guard Workers of America (UPGWA)—represented employees in July (June values in parentheses) are:

Fund A	indexed equity
0.9698036003	(0.9759474390)
Fund B	fixed income
1.0662501210	(1.0602616401)
Fund C	company stock
0.8341257914	(0.9083908836)

PSP values

Unit values for the performance sharing plan (PSP) for salaried employees in July (June values in parentheses) are:

Fund A	indexed equity
4.5537670818	(4.5719681630)
Fund B	fixed income
3.0040431579	(2.9801830404)
Fund C	company stock
4.3700234353	(4.7513673455)