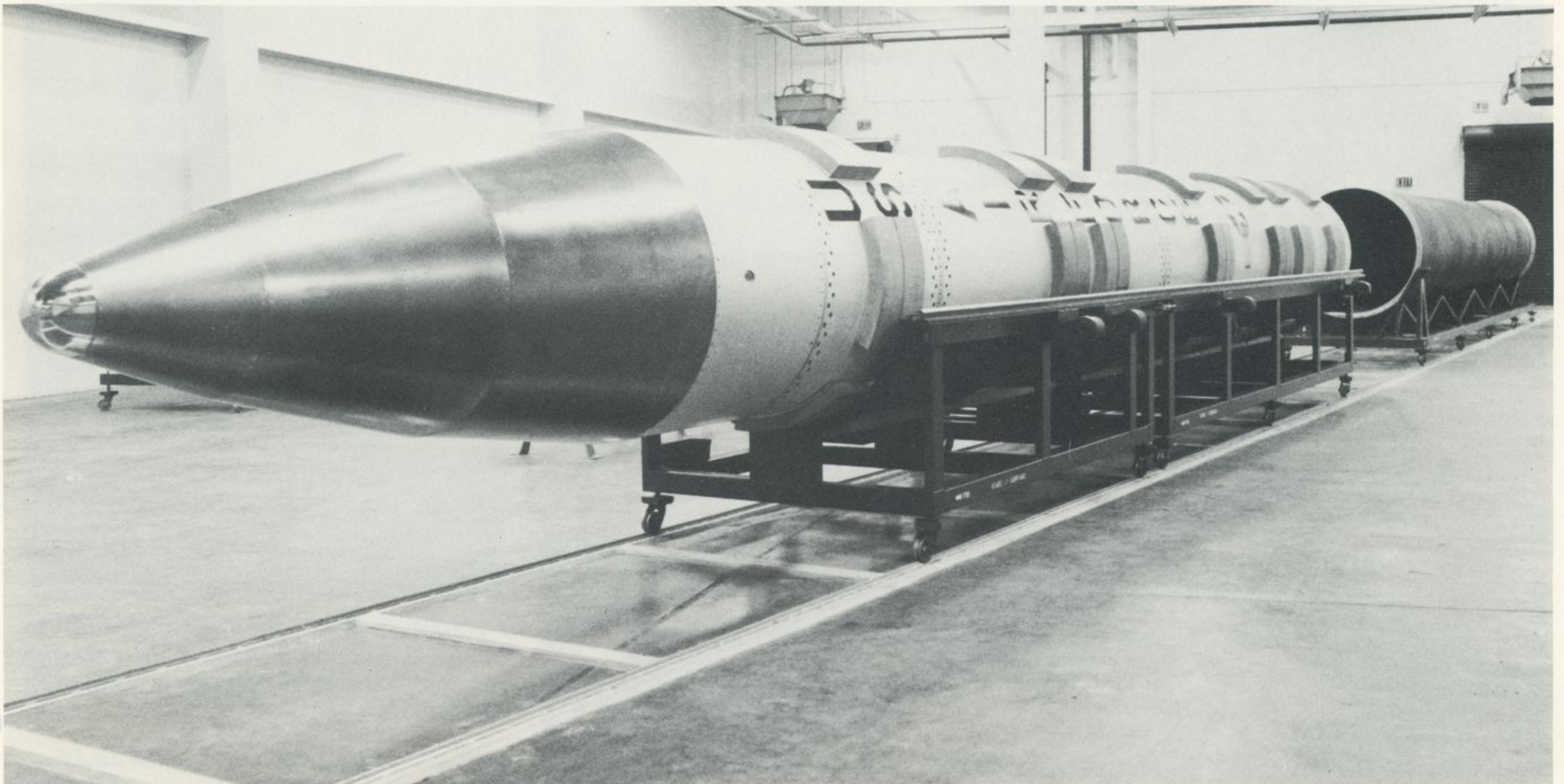


July 5, 1985

Number 13



Martin Marietta wins small ICBM contracts

Martin Marietta Corporation has won two contracts totaling \$444.2 million to assemble, test, and provide system support for development of the small intercontinental ballistic missile (SICBM) and to build its postboost vehicle, or fourth stage.

The contracts, awarded by the U.S. Air Force's Ballistic Missile Office at Norton Air Force Base, California, are contingent on governmental action to proceed with full-scale development of the small ICBM. They cover an initial five-year period, with options for succeeding years. Contract value in the first fiscal year would be \$45 million.

As currently envisioned, the small ICBM will be 42 feet long, 46 inches in diameter, and will weigh less than 30,000 pounds. It will carry a single warhead on three solid-fuel stages and a postboost vehicle. The missile's comparatively small size and weight will permit mobile basing, a major aspect in its concept and design.

Under the first award, Martin Marietta will be the Air Force's assembly and test contractor for the small ICBM flight test program at Vandenberg Air

Force Base (VAFB), California. Present plans provide for a program of 22 test flights beginning in early 1989. Contract responsibilities include the following:

- Design, development, and qualification of the small ICBM instrumentation and range safety system. This system, carried in the flight test missiles, will transmit information on the performance of the small ICBM during flights and allow a missile to be destructed safely should a serious malfunction occur.
- Design and development of the launch canister and launch eject system for six first-test launches from a test pad at VAFB. The next 16 missiles are scheduled to be fired from a hardened mobile launcher.
- Design and fabrication of equipment for missile assembly, for transport of components from manufacturer facilities to VAFB, and for handling the assembled missile, including shipping containers, trailers, and lifting equipment.

Under the same contract, Martin Marietta will design, develop, and test the small ICBM's postboost vehicle, payload shroud, and propulsion system, and integrate the vehicle's components. The postboost vehicle carries the guidance and control system and the single reentry vehicle. The payload shroud protects the reentry vehicle during ascent through the atmosphere and is jettisoned late during the powered flight.

The company also has been assigned systems support tasks for the Air Force under a second contract. These responsibilities include systems engineering and integration, nuclear hardness integration, and testing of the overall weapon system.

Martin Marietta will perform the small ICBM work at its Denver Aerospace operation and at VAFB. The company estimated that a total of 1200 employees would work on the contracts at the two locations by 1987. Company officials said most employees would move to the small ICBM effort from other programs. An estimate of the number of new employees required is not yet available. ■



Palance, in MMU simulator, explains to future television audience the satellite rescue missions in 1984 performed with the MMU.

Believe it or not, that's Jack Palance

Actor Jack Palance, in space suit, far right, and crew of 16 prepare to film a TV segment featuring the Martin Marietta manned maneuvering unit (MMU) in the space operations simulator (SOS). The segment is scheduled to run this fall.

ASAS/ENSCE

I&CS to develop system for tactical intelligence

The Jet Propulsion Laboratory (JPL) in California and the U.S. Army-Air Force Joint Tactical Fusion Program have awarded a \$106 million contract to Martin Marietta's Information & Communication Systems (I&CS) company to integrate systems for a new transportable tactical military intelligence system and to construct portions of the system.

Under the four-year contract, I&CS will be systems integration contractor for the development program called the All Source Analysis System/Enemy Situation Correlation Element project (ASAS/ENSCE).

The cost-plus-award fee contract continues work started in January 1985 under a letter contract when the com-

pany was selected to negotiate the contract.

ASAS/ENSCE is a baseline data-processing system designed by JPL for the Army and Air Force to satisfy tactical intelligence needs in the early 1990s. The program will employ computer workstations housed in protected and mobile field modules and will enable tactical commanders to receive and rapidly process intelligence data from various sources and sensors.

Work covered by the Martin Marietta contract will include development of the ASAS Interface Module (AIM), the intelligence data-processing shelter, integrated logistics support, and full testing and integration of components for the tactical automation system. ■

Vandenberg cited for strong affirmative action practices

Martin Marietta's Vandenberg Operations in California was commended recently for outstanding hiring practices of Vietnam era and disabled veterans. In an independent study of 150 major corporations conducted by a private company under contract to the U.S. Department of Labor, Martin Marietta was recognized as one of the top nine outstanding major employers in this hiring category.

Congressman Thomas Daschle (D-South Dakota), chairman of the Committee on Veterans Affairs, and Congressman Don Edwards (D-California) publicly commended the company and noted that it was unusual for the House of Representatives to commend publicly a federal contractor during a subcommittee hearing.

During the survey in September 1984, the workforce at Vandenberg Operations totaled 3051 employees. Of those, 682 or 22.4 percent were Vietnam era veterans and 43 or 1.4 percent were disabled veterans. ■

News briefs

Smith awarded internship with Colorado's sister state

Derrin R. Smith, a senior engineer in test requirements, was awarded an internship with Lt. Governor Nancy E. Dick for work on the "Hunan Project."

The project resulted from Colorado's sister-state relationship with the Province of Hunan in Southeastern China. Smith, working on a doctorate from the University of Denver's Graduate School of International Studies, is assessing technology and forecasting high-technology industry in China.

Smith will attend the Hunan Colorado Industrial Conference in September 1985 to help establish joint ventures and licensing agreements with Chinese counterparts. ■

MMU video available to all employees

Copies of the new manned maneuvering unit (MMU) videocassette "A Nice Flying Machine" are now available for purchase by employees.

The ten-minute VHS cassette describes the history of the MMU and its first three missions.

Employees wanting copies should send a check or money order for \$10 payable to: Cimarron Productions, 6875 E. Evans Avenue, Suite 215, Denver, Colorado, 80224.

For those who wish to pay by Visa or Master Charge credit card, telephone Cimarron Productions at (303) 753-0988. The cassettes will be mailed to the employee's home address within two weeks. ■

Arts festival to feature Denver Aerospace illustrators

The Fine Arts Festival '85 will exhibit the personal artwork of illustrators from Denver Aerospace.

Located at the Town Hall Arts Center, 2450 West Main, Littleton, the show will run from July 2-26, and includes the work of Chuck Bennett, Rob Blackaby, Dennis Clark, Larry Dulin, Ken Ensey, Phil Hayward, Carolyn Inagaki, Cheri Everett, Rick Krafczyk, Arnie Lintelmann, Robert Murray, Charles E. White, and Wayne L. Williams.

The artwork encompasses a wide variety of subject matter from the illustrators' own collections.

For information about the gallery, call 794-2787. A representative of the arts center will be available to arrange sales of the art. There is no admission charge to the gallery. ■



Employees who volunteered in 1984-85 as Junior Achievement (JA) advisers and center managers (who supervise schools where JA companies meet) are honored at a recent breakfast at the Waterton plant. Standing, left to right, are Bruce Heller, Bart Gates, Joanne Doles, Tom Elbring, Joe Olsen, and Dennis Cook, personnel director. Seated are Donna Duvall, JA staff program manager, and Julie Justin. Not shown: Cathy Bliven and John Lincoln. Employees interested in the fall program should contact Lori Sharp, JA coordinator, ext 7-6605.

Data Systems to manage California County program

Orange County, California, awarded an estimated \$37.5-million contract to Martin Marietta Data Systems. The contract also provides for an option year that would bring the total award to approximately \$44 million.

Under the five-year contract, Data Systems will assume responsibility for management, operations, communications, systems development, and maintenance of Orange County's data

center, which processes tax assessments, payroll, health and welfare benefits, and a variety of other information for the county's two million residents south of Los Angeles.

"We are indeed honored by the vote of confidence given us by the Orange County Board of Supervisors," said Richard J. Walters, president of Data Systems. ■



Peacekeeper quality safety wins award—The Peacekeeper quality/safety department at Vandenberg Air Force Base, CA, received the annual Quality Excellence Award recently from the California Central Coast Section of the American Society for Quality Control. Seen discussing the award are, left to right, Larry Sundahl, manager, Peacekeeper quality/safety; Ray Pressburg, ASQC section 601 chairman; and Col. James Ryan, commander, 4315th Combat Crew Training Squadron.

Officers installed at banquet

A look into the outer reaches of space was the topic for the recent annual awards banquet and installation of officers for the Rocky Mountain Section of the American Institute of Aeronautics and Astronautics (AIAA). Held June 20, the banquet featured guest speaker Dr. Frank Bartko, senior research scientist, Denver Aerospace.

Bartko is coinvestigator on the Hubble space telescope (HST) faint object spectrograph team, and discussed the space telescope and coming revolution in astronomy.

Robert J. Molloy, product area director for strategic defense initiative, received recognition as an AIAA Associate Fellow that evening. Certificates for section officer service went to John W. Robinson, who served as central vice chairman, and Paul S. Fedec, treasurer.

Edwin F. Scholz earned a "young engineer of the year" award for his contributions to the small ICBM team, and Ernest Berliner earned an "engineer of the year" award for outstanding performance in designing propulsion systems for the transfer orbit stage (TOS) and the orbital maneuvering vehicle (OMV).

Officers for 1985-86 include Robert N. Hanse, chairman; Virgil F. Young, chairman-elect and chairman in 1986-87; John W. Robinson, vice chairman, central area; and Paul S. Fedec, treasurer.

The AIAA Rocky Mountain Section Council for 1985-86 includes Robert N. Hansen, Jackie O. Bunting, Virgil F. Young, John W. Robinson, Paul S. Fedec, Jack E. Scott, Pamela A. Burke, Richard C. Rozycki, Dale A. Fester, J. Michael Murphy, and Kate K. McCarthy. ■



Single parent and her two children welcome four foster children to home

Nancy V. Jones, administrative secretary in business development, displays pictures of foster children. Jones became a foster parent with the Jefferson County Department of Social Services in 1983, and has housed many children and adolescents since then. "I've always loved kids and it's rewarding to offer them a family life," Jones said. The county agency pays food and clothing expenses. ■

First Titan III-C celebrated at 20th anniversary

More than 300 people attended ceremonies commemorating the first Titan III-C launch at Cape Canaveral Air Force Station, Florida. The 20th anniversary ceremonies took place at launch complex 40, where the first Titan III-C was launched on June 18, 1965.

Keynote speakers at the anniversary dinner on June 17 were Laurence J. Adams, president and chief operating officer of the Martin Marietta Corporation, and Lt Gen Forrest S. McCartney, commander, U.S. Air Force Space Division.

The following morning, guests were treated to a simulated countdown at the exact time and place as the first Titan III-C launch 20 years earlier. After the countdown, a ceremonial cake was cut and exhibits from Martin Marietta and other contractors were displayed.

The Titan III standard launch vehicle was conceived and developed by the Air Force Systems Command to provide a national launch capability for a wide variety of space missions. It contains a complete Titan II, plus two strap-on, solid-fuel motors with more than 2.4 million pounds of thrust and the multistart capability transtage.

Because of the test nature of that first flight, the vehicle carried a 21,000-pound dummy satellite made of inert metal with no scientific value. Later launches of the Titan III-C were used to toss up bundles of up to eight communications satellites on a single launch, marking the beginning of the Defense Satellite Communications System (DSCS) programs. ■

The final Titan III-C was launched March 6, 1982, from complex 40 at Cape Canaveral. The Titan 34D that replaced it was launched October 30, 1982. That launch boasted three firsts: the first launch of the new vehicle, first Phase III DSCS, and first use of the inertial upper stage (IUS). ■



Art gallery gets grant

Sally Perisho, director/curator of the Colorado Gallery of the Arts at Arapahoe Community College, left, and Inez Pharo, assistant curator, talk with Fitzroy Newsum, Denver Aerospace public relations. Martin Marietta contributed \$15,000 recently to the gallery's educational program, and was one of the original founding benefactors of the gallery. ■



York observes his father at home in Shanghai practicing the art of calligraphy.

York represents company on tour

When Alfred S. York was selected to travel to China as part of the international People-to-People Citizen Ambassador program, he felt doubly excited.

"It was an honor to represent Martin Marietta as part of the material handling delegation, and it gave me the chance to visit my father in Shanghai—I last saw him 35 years ago," York said.

The three-week tour of the People's Republic of China involved travel to five cities by the 23-member academic and industrial delegation, all of whom work in some aspect of material handling.

"We talked with university students and toured industrial plants and factories as part of the program's technical interchange," York said. Each delegate prepared a technical paper. York, senior manufacturing engineer on Peacekeeper, presented a paper on integrated packaging and materials handling, from building a system to packaging and shipping. York was one of the few visitors that seldom needed the interpreter who accompanied the group.

The group visited Tokyo, Beijing, Luda, Shanghai, Hangzhou, and then flew to Hong Kong for a tour.

"Shanghai seemed even more crowded than I remembered it. While the others took a two-day tour of the city, I had the chance to visit with my family."

York's 87-year old father is a retired doctor. "He practices calligraphy every day, and still has a steady hand." ■

Board cites Denver Aerospace

Martin Marietta Denver Aerospace was honored June 25 by the Jefferson County Board of County Commissioners. At a special ceremony during a "Salute to Jefferson County," the company was given an Award of Excellence for "superior contribution to the economic vitality of Jefferson County, Colorado." ■

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July 5, 1985

Officials say environmental fine inappropriate

A \$48,000 penalty proposed by the Colorado Department of Health (CDH) in a June 21 compliance order is inappropriate and will be contested, company officials say.

The proposed fine is contained in a compliance order issued to Denver Aerospace by CDH's Waste Management Division. The order alleges three violations of the law governing hazardous waste management activities.

"As a prudent, conscientious contractor, we will do whatever is necessary and feasible to protect the environment and public health," said Richard E. Weber, vice president, personnel and facilities. "However, we do not feel that the fine proposed by the state is appropriate."

Weber explained that the company believes an emergency lagoon referred to in the order has the proper permit to operate under the National Pollutant Discharge Elimination System (NPDES) law, which governs discharge of treated industrial and domestic wastes from Denver Aerospace's wastewater treatment facility. The state contends the company should have gotten a permit to operate the lagoon under the law governing hazardous waste treatment, storage, and disposal.

The compliance order also cites the company for allegedly submitting an inadequate ground water assessment plan for its active hazardous waste surface impoundment (called the high pond), and failing to install monitoring wells around the emergency lagoon.

Weber said that if the ground water assessment plan is indeed inadequate, it will be corrected. However, he noted that the company was not informed of the plan's alleged inadequacy until it received the order.

As for failure to install monitoring wells, Weber pointed out that they are not required under the NPDES permit.

The company has requested an informal conference with the state to discuss the compliance order. Meanwhile, Weber said Martin Marietta will comply fully with the order.

"There are a number of complicated issues involved, including interpretations of various hazardous waste management regulations, which are being analyzed," Weber said.

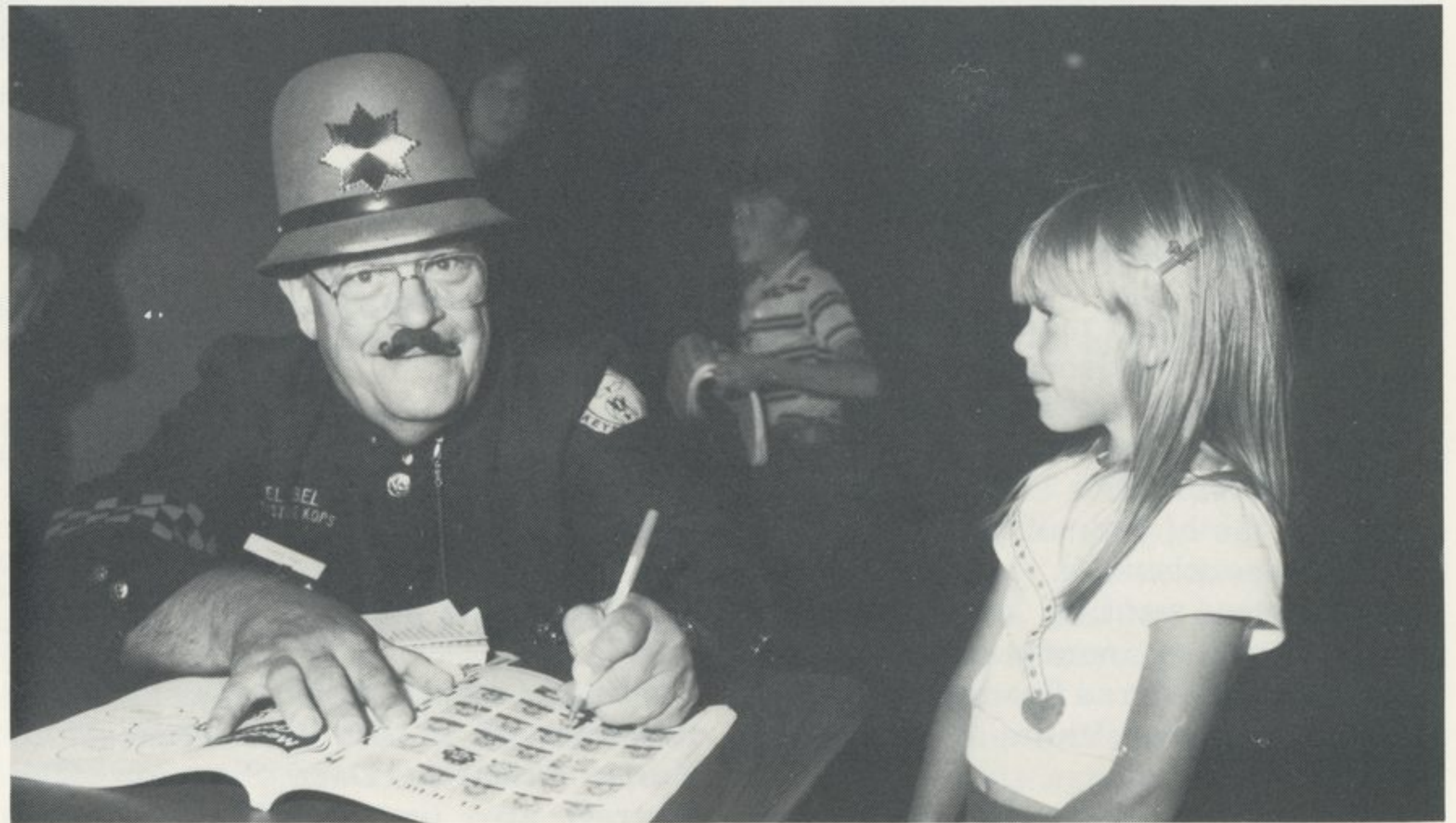
He added that the company is working closely with CDH to understand fully what the department's position is regarding the permitting of various areas of the Waterton facility. The company also is working with some of the top environmental consultants in the country to address hazardous waste management issues. ■



Circus offers variety of entertainment

The Shrine Circus played before a packed house of Martin Marietta employees on June 15; more than 8000 employees and their family members attended the exclusive event, one of four annual events sponsored by Martin Marietta. Several employees joined the show to act as clowns and Keystone Kops.

Don S. Shacklette/photographer



Recreation/employee services

Discounts—Obtain discount coupons for Hyland Hills Water World, Lakeside Amusement Park, and Lakeside Stock Car Races from the recreation office, Eng Bldg 124 G, main plant, or from the following volunteer recreation representatives:

- Kay Shuey, DSC II, room 167, 8:00—11:00 a.m., Monday—Friday, and 2:00—3:00 p.m., Monday—Thursday.
- Lucy Winka, South Lincoln (GEPS).
- Melinda Boyle, South Lincoln, EEO office, 2:00—4:00 p.m.
- Nadine Holder, West Point, room 304.
- Marge Losey, main plant, SSB, room 400, 1:00—3:30 p.m.
- Cynthia Schultz, Linpro I (ACS), room 107, 2:00—4:00 p.m., Monday, Wednesday, Friday.

These representatives also sell discount movie tickets at \$3, now valid every day of the week, for

Mann, American Multi Cinema, and Commonwealth Theatres, and have discount cards for major recreation attractions such as Disneyland, California, and Disney World and the Epcot Center in Florida.

Employees located at Greenwood may call the recreation office, ext 7-6605, to request that discount coupons and cards be sent by mail. Movie tickets may be purchased by mail by sending a check to the recreation office, mail stop 1304, payable to Martin Marietta, noting the desired tickets, and including the employee's home address where the tickets will be mailed.

Alpine—A Pike's Peak dayhike is planned for Saturday, July 13. Call Jim Williams, ext 7-7214.

The Rocky Mountain Alpine Club also plans a climbing trip and wine and cheese party for Sunday, July 14. Call Duane Cichy, ext 7-0713.