

MARTIN MARIETTA

news

DENVER DIVISION

NUMBER 11/1979



Astronaut honors three with Silver Snoopy award

Astronaut Vance Brand, scheduled to command one of the first Space Shuttle test flights, presented Silver Snoopy awards July 31 to three persons associated with the division's checkout, control, and monitoring subsystem (CCMS) project.

Receiving the awards were Mrs. Alverta M. Bay, CCMS precision fabricator; Robert B. Hagge, ground support equipment inspector; and Alfred Chmara, electronics inspector for the Air Force plant representative office.

The Silver Snoopy is presented by astronauts in appreciation for outstanding work on space projects in which astronauts are involved. Nominations for the awards are made by contractors and NASA centers, with final selection made by the astronauts.

Mrs. Bay, a Martin Marietta employee for 18 years, works on electronic subassemblies, panels, and chassis for CCMS. Specifically, her duties include wire routing, connection, and termination of hardware mounting.

Hagge came to Martin Marietta in 1976 and inspects both mechanical and electrical parts as well as assemblies and subsystems. He also prepares and updates hardware data.

Chmara, representing the customer, is charged with surveillance of the Martin Marietta quality system, performs in-process and end-item inspections, witnesses preship tests, and is involved in the acceptance of the product. This was his second Silver Snoopy award. His first was for work on Apollo 8.

Brand, a native of Longmont, Co, was one of 19 pilot astronauts selected in 1966. He was support crewman for the Apollo 8 and 13 missions; backup command module pilot for Apollo 15; and backup commander for Skylab 3 and 4 missions.

He made his first space flight July 15, 1975 as Apollo command module pilot on the Apollo-Soyuz test project in which American astronauts and Soviet cosmonauts



Astronaut Vance Brand, left, presented Silver Snoopy awards to Alfred Chmara, Mrs. Alverta M. Bay, and Robert B. Hagge for their work on the checkout, control, and monitoring subsystem (CCMS). They are shown discussing main console of CCMS following the award ceremonies.

were linked in space. He logged 217 hours and 28 minutes on his first space flight.

After a slide presentation on space flight history to CCMS employees, Brand said, "We are conquering space and you are doing your part. I want you to do the best you can because I have some buddies who, along with me, are really counting on your work."

C. B. Hurtt, vice president and general manager of the Denver Division, speaking to CCMS employees, said, "I am delighted as I travel, particularly to Cape Canaveral, to have the customer tell me what tre-

mendous equipment you are building on CCMS. It is working and working well. I want to thank you for the effort you have made in designing, developing, building, and delivering hardware that truly meets the requirements we are contracted to meet."

E. F. Haeger, who directs the CCMS project, introduced Hurtt and Brand.

Division shaping wing panel skins for Learjets

The Denver Division is shaping wing panels for five Learjet aircraft models.

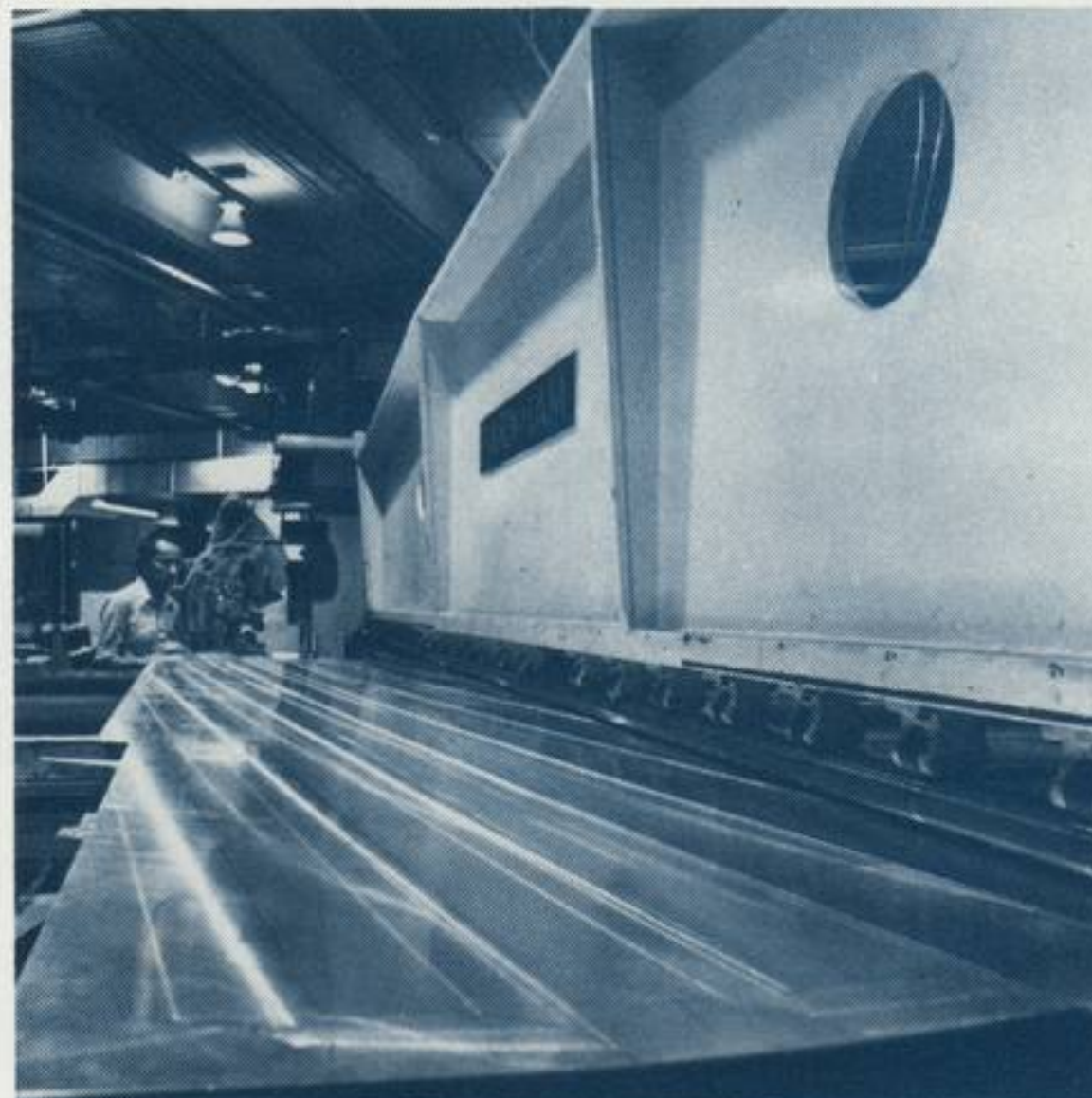
Under the contract with Gates Learjet, upper and lower wing panel skins are being formed, contoured, and machined. The initial contract, which will be complete in December 1979, calls for 25 shipsets for Learjet models 28 and 29; 16 shipsets for models 54 and 55; and one set for static tests for Learjet's new model 56.

The lower wing aluminum skins are .289 inches thick, 76 inches wide, and 189 inches long. Upper aluminum skins are .239 inches thick, 84 inches wide, and 189 inches long.

Program manager for the work is Gilbert F. Smith.

On the cover

NASA 905, a Boeing 747, carries the Space Shuttle orbiter Enterprise piggyback on a flyby before landing at Denver's Stapleton International Airport in the cover's top photo. At left at the bottom, Denver television stations used mobile transmitting equipment to broadcast the arrival live. In the center photo, NASA pilot Thomas C. McMurtry is interviewed by Rocky Mountain News staff writer William H. Gorishek. At right, Denver Mayor William McNichols leaves the 747 after touring the plane.



Wing panel skin is formed for Learjet.

Division chooses Saxon copy service

Saxon Industries, Inc. has been chosen to provide copy machines and service for another year at the division, according to A. E. Hawkins, vice president for business operations.

Only two of ten copy-machine vendor bids were fully responsive to the division requirements for a single machine that would produce 8½ by 11 and 11 by 17 inch copies in both sheet and book modes. Saxon was the low bidder. The other responsive bidder's proposal would have nearly doubled copy costs, currently running about \$300,000 per year.

The division has 100 copiers — about one for each 47 employees.

Recognizing the past employee complaints about copy quality, the contract requires a new technician be assigned to the division and additional technicians be available where maintenance overloads occur. Machines with poor maintenance records will be replaced.

"Hopefully, complaints will disappear as the better service, now required, comes on-line," Hawkins said.

Hawkins pointed out that, "The final discriminator was the overhead cost factor. The copier service is a vital part of the way we have learned to do business, and we must ensure that the needs are satisfied at reasonable cost. I believe that the recent competition shows the prudence of staying with Saxon equipment and services."



Vaughn Gardiner, left, president of Littleton Center for Cultural Arts Foundation, and foundation board member Mrs. Jerry Brickley receive corporate gift from John H. Boyd Jr., division director of public relations.

Division speakers talk to 5,000

More than 5,000 people — from elementary school pupils to top scientists — have heard 30 division employees speak on a wide range of subjects so far in 1979.

Among organizations recently scheduling speakers through the division's public relations department were the Armed Forces Communications and Electronics association, who heard Charles H. Green Jr.; The Group Recreation Co., Leroy Hollins; the World War II, Martin B-26 equipped 319th/320th Bomb Groups, Fitzroy Newsum; and the Metro Denver Realty Board, Evan McCullom.



The letter confirming the division's compliance with Department of Defense cost/schedule control systems criteria is presented to C. B. Hurtt, left, division vice president and general manager, by Lt Col George H. Podrasky, deputy commander of the Air Force plant representative office.

Corporate gifts aid Denver area organizations

A \$3,000 Martin Marietta gift today to Brothers Redevelopment, Inc. brought the total of corporate gifts to Denver area organizations this month to \$12,000.

The other gifts were \$5,000 to Childrens Hospital capital fund campaign; \$3,000 to the Littleton Center for Cultural Arts Foundation, Inc.; and \$1,000 to Artreach.

Brothers Redevelopment, Inc. (BRI) is a nonprofit corporation involved with neighborhood preservation through various programs of home repair and remodeling, new home construction, and community development. Volunteers and BRI's core staff have renovated 450 homes since 1972 at a 30 to 40 percent cost savings to the community.

Childrens Hospital has initiated a building program which consists of adding a five-story wing and remodeling of parts of the present hospital.

The Littleton Center for Cultural Arts Foundation, Inc. plans the conversion of the Old Town Hall, an historic landmark in Littleton, into a cultural arts center for concerts, lectures, and theatrical presentations.

Artreach, formerly Hospital Audiences, Inc., is a unique community service agency providing cultural opportunities for the institutionalized, the isolated, the handicapped, and the disadvantaged of the greater Denver area.

Management system earns approval

The Denver Division's performance management system has "satisfactorily demonstrated that it . . . complies with the cost/schedule control system criteria" required by the Department of Defense for engineering and development contracts. Acceptance of the division's system is a major business accomplishment.

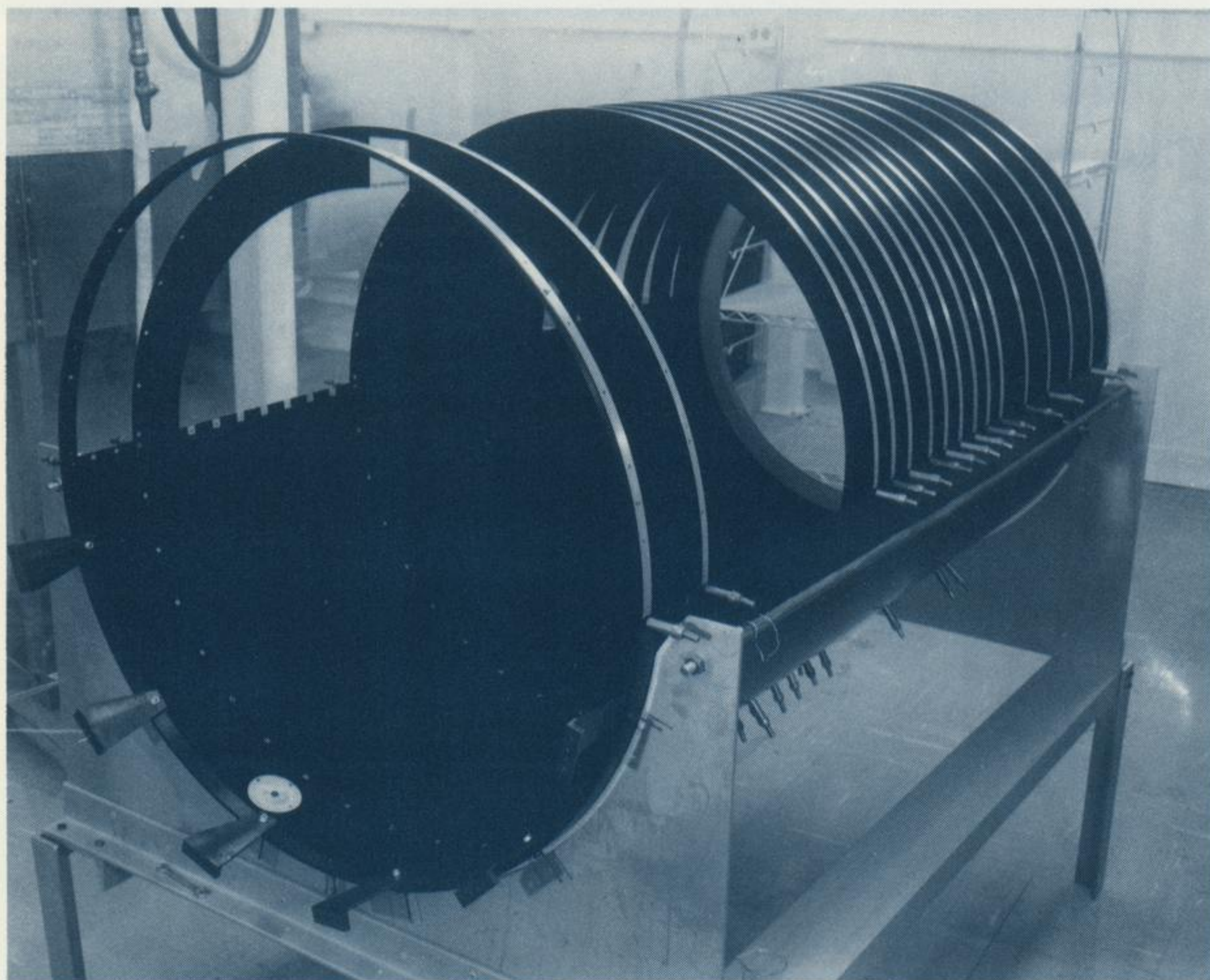
Confirmation of the compliance came in a letter from Brig. Gen. C. T. Spangrud, deputy chief of staff and comptroller for the Air Force Systems Command. The system also was accepted by the Army Materiel Development and Readiness Command and the Naval Material Command.

The Triservice validation of the division's single system for cost and schedule management and government reporting is the culmination of a major effort by key personnel in space launch systems and the division's central functions.

Most large government contracts require the performance measure system and the division may include its validated system information in proposals for new defense, space, and energy business.

The Space Shuttle payload integration contract (PIC) was used to demonstrate the system to the Air Force Systems Command team.

Telescope baffle system completed, delivered



The Infrared Astronomical Satellite telescope barrel baffle assembly qualification model is shown here during assembly. It is 28.5 inches in diameter and 53 inches long.

Credit union survey response is favorable

Employee response to the recent survey on the need for a credit union has been favorable.

Those who volunteered to work with an employee-managed credit union will be asked to attend a meeting soon. Invitations to the meeting will be mailed to those who volunteered.

Division vice president completes Harvard program

Howard F. Keyser, division vice president for program development, has graduated from the Harvard Business School's advanced Management Program (AMP). He completed the first six weeks of the course last summer, and returned to Harvard in June for the final seven weeks of AMP.

The Advanced Management Program was established at Harvard in 1943. It is the oldest, longest, and largest program for senior executives.

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Former division recreation director in hall of fame

Thomas J. Rendler, who retired as the division's recreation director in January 1946, will be inducted in the University of Wisconsin-River Falls Athletic Hall of Fame this fall. He is one of nine alumni-athletes selected for the honor.

Rendler played four years of varsity baseball and football at the school and was captain of the football team his senior year. He was named to the all-conference football team for three years as a fullback. He also directed the school's intramural sports program four years.

He received his bachelor's degree from the University of Wisconsin at River Falls and his master's degree from the University of Wisconsin at Madison. He taught and coached in high school for nine years.

Rendler turned down a career in professional baseball following service in World War II to teach and begin his career in industrial recreation. He joined the Denver Division in 1956.

Travel rate up

Effective August 1, employees will be reimbursed at the rate of 18½ cents per mile for use of their private vehicles for business travel.

The flight unit of the Infrared Astronomical Satellite (IRAS) telescope baffle system has been completed by the division's engineering model shop and delivered to Perkin-Elmer Corporation, designer of the system.

A qualification set of baffle assemblies was delivered in June and is in system test by Perkin-Elmer.

The IRAS program is an international team effort, with the United States providing the telescope, the Netherlands providing the satellite, and the control center established in England. Launch is scheduled for early 1981.

The baffle system includes a barrel baffle assembly, primary cone baffle assembly, secondary skirt baffle assembly, and the aperture stop assembly. Each assembly is coated with Martin Marietta produced optical black coating developed at the Denver Division, which captures stray light and reduces its reflection on the telescope mirror.

John Hope is managing the baffle system program for the division.

Recreation

Satellite Ski Club — The Satellite Ski Club will hold a picnic immediately after work Friday, September 14, for employees, families, and friends who are interested in joining the club. The picnic, with all food and beverages provided by the club, will be held at the picnic facilities in the division's recreation area. The club's program for the coming ski season will be discussed.

Tennis Tournament — The division's spring tennis tournament has been completed. Winners were:

Men's Singles: Class A — Dave Quesenberry; Class B1 — Dave Jackson; Class B2 — Lawrence Leang; Class C — Robert Fujii.

Women's Singles: Ann Burns; Class B2 — Alice VanLaningham.

Men's Doubles: Class A — Don Al-layaud and John Phelps; Class B1 — Lou Ripp and Tom Sisk; Class B2 — Robert Blakely and Wilton Cooper; Class C — Ka Lun Fogg and George Fogg.

Women's Doubles: Alice Burns and Shirley McKenzie.

Mixed Doubles: Class A — Ann Habberger and Tom Herbst; Class B1 — Dave Jackson and Tommy Jackson; Class B2 — Wende Maegley and Marilyn Maegley; Class C — Jochen Kissel and Jutta Kissel; Novice — Ka Lun Fogg and Elaine Fogg.

At Vandenberg

Vandenberg employees give long-distance aid to Shrine circus

The annual effort of Shriners to raise funds for burned and crippled children's centers was not neglected by Donald R. Seagraves, quality engineer at Vandenberg, even though his approach was different.

Seagraves, a Shriner for many years, lived in Rockford, IL before moving to Vandenberg several months ago. Apparently his change of address was not recorded, because as in years past, he received his quota of tickets forwarded by the U.S. Postal Service.

Instead of returning the tickets, Seagraves accepted the challenge and asked Vandenberg co-workers to aid the worthy cause by buying a ticket so a child could attend the Shrine Circus in Rockford. It worked — the entire book was sold.

Among Vandenberg employees participating in the long-distance project were Charles Bowker, Jack Waugh, William Thomas, Ray Burns, William Hemphill, George Buffington, Ray Linder, Peter Schoonover, Andrew Gonsalves, Donald Reid, Herman Davidson, Lois Wishard, and Cheryl Ballinger.



Cheryl Ballinger, quality department administrative secretary assists Donald R. Seagraves in making final appeal for Shrine Circus contributions.

Martin Marietta earnings are up

Martin Marietta Corporation earned \$53,861,000 or \$2.15 per share in the second quarter on sales of \$523,727,000.

Earnings in the comparable period of 1978 were \$1.54 per share, a net of \$36,791,000, on sales of \$446,140,000.

For the year to date, Martin Marietta sales increased to \$961,060,000, which compares with \$794,367,000 in the first half of 1978. Earnings increased from \$54,651,000, or \$2.29 per share, in the earlier year to \$86,621,000, or \$3.44 in 1979's first half.

J. Donald Rauth, Martin Marietta chairman and chief executive, said, "Each of our five operating companies contributed to the improved sales and earnings, and both our quarterly and mid-year results are in overall accord with our expectations. We have advised our shareholders that Martin Marietta results for the full year probably will surpass all prior years. This continues to be our expectation."

Congressman briefed

Congressman Timothy E. Wirth recently visited the Denver Division for a briefing on the MX program. The briefing was conducted by C. B. Hurtt, division vice president and general manager.

The congressman represents Colorado's second congressional district.

Nellis employees hold picnic

The division's Nellis operations employees recently held their annual picnic at Red Rock Canyon, west of Las Vegas, NV.

About 90 employees and family members participated in the event.



Sivert O. Ross, right, president-elect of the Martin Marietta Management Club at Vandenberg operations, is congratulated by William F. Blue, outgoing president, left, and John F. Allen, regional manager of the National Management Association. Other officers installed by Allen were George H. Wood, executive vice president; Donald G. Buck, administrative vice president; Barbara J. Tempalski, secretary; and John M. Beales, treasurer.

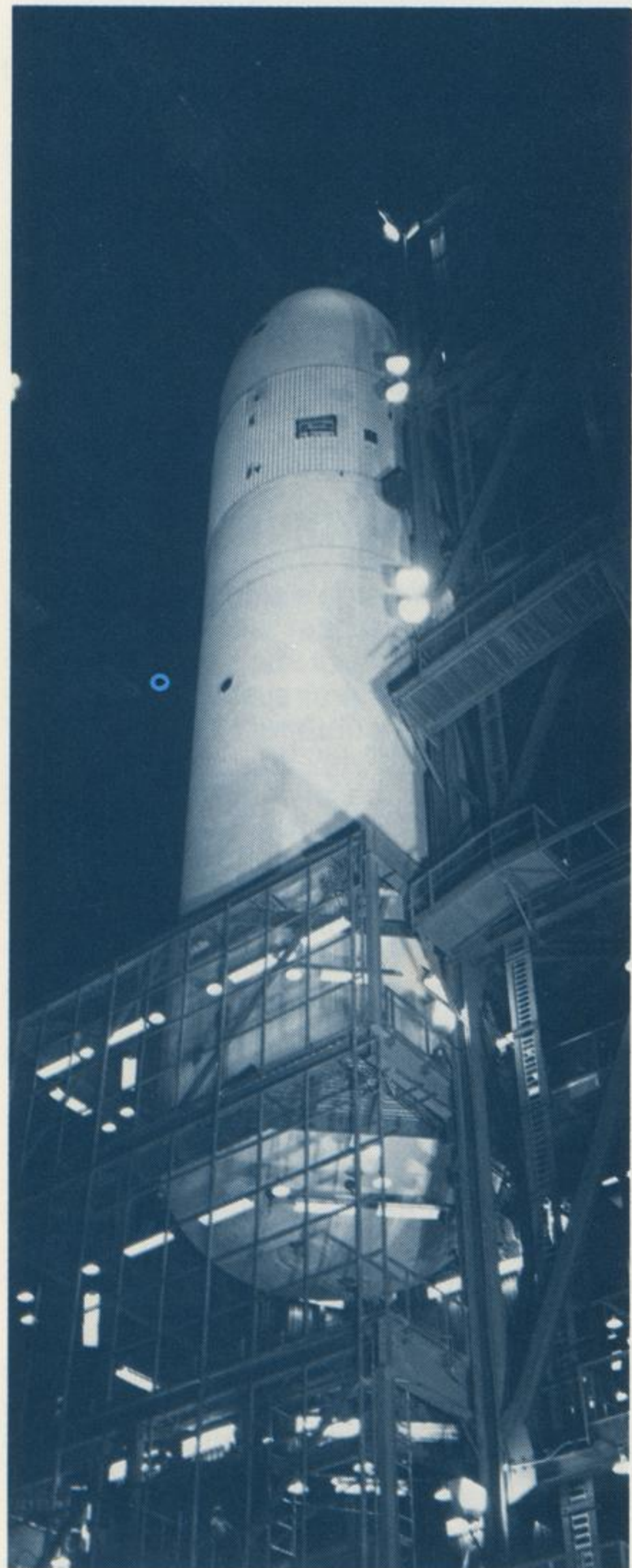
At Michoud

Contract awarded for spray facility

A \$3.9 million contract has been awarded to the Landis Construction Co., Inc., New Orleans, for construction of a horizontal ablator spray facility at Michoud operations for production of the external tank's liquid hydrogen tank.

The project is to be completed in June 1980. The new facility is adjacent to the existing vertical assembly building at Michoud.

The 31,000 square-foot, single-story structure will house two cells for spraying ablator material on liquid hydrogen tanks in the horizontal position. A later addition to the building, not included in the current construction contract, will add a third cell as a washing position for liquid hydrogen tanks.



First flight external tank is shown in the vertical assembly building at Kennedy Space Center after arrival from Michoud.

Support center is reactivated at Huntsville

The Huntsville operation support center (HOSC) is being reactivated at the NASA Marshall Space Flight Center to support the Kennedy Space Center during the first six Space Shuttle prelaunch and launch activities.

Martin Marietta and NASA personnel are



Martin Marietta personnel checkout consoles to be used in supporting Shuttle pre-launch and launch activities.

jointly planning and implementing the support role for the external tank, main propulsion system, and the range safety system. The HOSC will support the Kennedy Space Center as it did on the Apollo and Skylab programs.

All communications, engineering consoles, computers, and software systems have been verified as HOSC nears operational status.

Currently, Martin Marietta engineers are preparing for initial external tank testing in the vehicle assembly building checkout cell. Simulations have been performed to verify the data systems and the planned HOSC data displays.

When external tank testing begins, the engineering consoles will be manned periodically for selected tests. Engineers will monitor vehicle systems performance and aid in resolving problems should they occur.

Although the HOSC mission essentially will be complete once the Shuttle is launched and the orbiter is in orbit, the support team will standby to discuss with personnel at Johnson Space Center any problems that may arise.

Boys Town alumnus studies schools

As an alumnus of Boys Town, the noted home for abandoned boys, Otto Rohlinger is glad he can return the favor by working to improve schools for youngsters in New Orleans.

The chief of treasury at Michoud operations volunteered to serve on a team to review the resources of the New Orleans Public Schools and how those resources are being used and managed.

The team delved into ways to use existing funds more effectively and showed where additional funds could be used to improve the quality of education.

"It took four months of hard work," Rohlinger said, "but it was worth it."

The business task force on education of the New Orleans Chamber of Commerce and the River Region asked companies to loan top executives to work with the Orleans Parish School Board.

"I was impressed with the dedication and enthusiasm of the task force in helping the community tackle the complex problems of overall resource management to obtain the best quality of education for students," said Rohlinger.

The school board is reviewing a long list of recommendations submitted by the committee.

Because of his work with the school task force, Rohlinger has been asked to serve



Otto Rohlinger

as a board member of the New Orleans Area-Bayou River Health Systems Agency, Inc., which is responsible for approval, control, and distribution of federally-funded health programs throughout southern Louisiana.

"I am excited about this," Rohlinger said, confiding that "health care has been a secret favorite of mine for a long time."

Rohlinger joined Martin Marietta in Denver in 1961. He has been chief of treasury at Michoud for five years.

"Knowing I may be able to improve schools for my own children, as well as actively participating in the business community was why I was excited about serving on the team," he said.