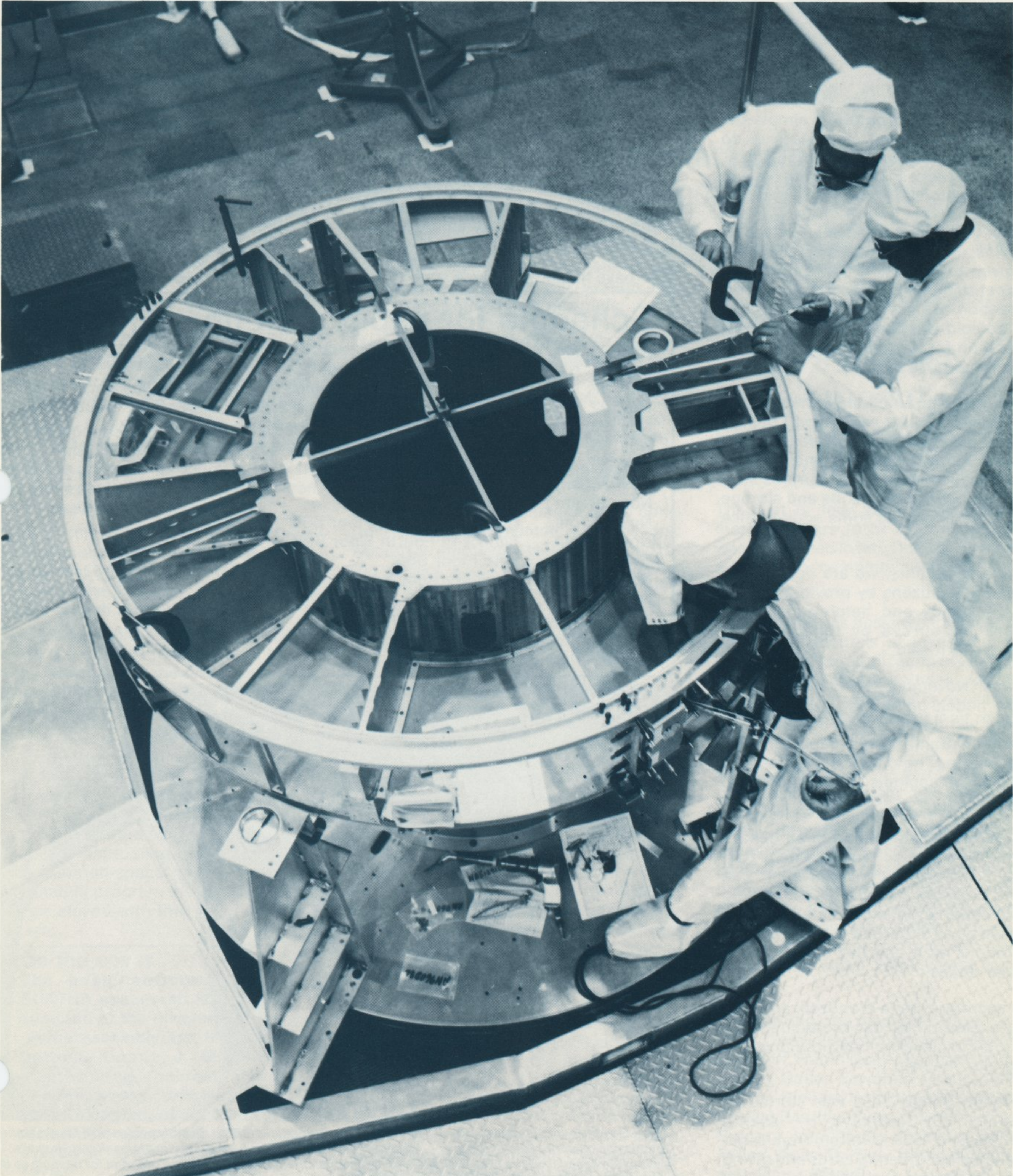


MARTIN MARIETTA

news

DENVER DIVISION

NUMBER 15/1977



Division housecleaning will benefit needy families

Denver division employees can help at least 100 needy families at Christmas, provide assistance to worthy individuals and organizations throughout the year, and at the same time give the division something it needs — space — in a special program to be held between November 21 and November 30.

"This is an opportunity for employees to help others, themselves and the division in a simple program," C. B. Hurtt, division vice president and general manager, said. "The program is simple because we are asking employees to do something they should do regularly — remove unneeded material from file and storage cabinets."

The nonchemically treated white paper, tab runs, and data processing cards will be given to Operation Santa Claus, an independent, volunteer employee organization formed in 1958. The paper will be sold and funds used by the organization for its year around program of helping those in need.

"We need some additional work space in the division," Hurtt said, "and I believe we can gain some of it by cleaning out file and storage cabinets and sending the unneeded ones to our surplus storage area. Removing the file and storage cabinets will give us some added office space.

"At the same time, we are being good community citizens by providing funds for the needy and helping conserve natural resources by recycling the paper," Hurtt said.

Between November 21 and November 30 (see schedule on this page) special containers will be set up in the areas for Operation Santa Claus paper and for other waste. The paper and excess file and storage cabinets will be picked up during the time scheduled.

"I urge total participation in all departments," Hurtt said. "To the extent possible, I believe each department can spend a half day cleaning up and turning in the paper and file cabinets. This half day can be as important to the division's operations as a half day spent on our regular duties.

"My secretary, Irene Woodzell, and I expect to take our half day according to the schedule to make our contribution to the program," he said.

Operation Santa Claus was started by Kenneth E. Sedlmayr by asking employees in 1958 to refrain from sending each other greeting cards and giving the money saved to the fund.

"The first year we raised \$343 and helped seven families with 26 children," Sedlmayr said. "Each year since the contributions have been greater and we are helping at least 100 families at Christmas."

The sale of scrap paper was added as a fund raising effort in 1973 at the suggestion of Walter Martynech.

The combination of cash contributions and the sale of paper are sufficient now to allow the organization to expand from its original Christmas activity to a year around program.

Many individuals and organizations have benefitted from the fund in recent years. Employees have been among those assisted.

"We have helped purchase a motorized

wheel chair, we provided funds for a well for a destitute family with no water, contribute regularly to Gallup School, Ridge Home, and to the Muscular Dystrophy fund," Sedlmayr said.

White bond paper sells for 2.5 cents a pound, tab runs bring 2.5 cents a pound, and data processing cards sell for 5 cents a pound.

Stapled copies are acceptable for Operation Santa Claus, but all other types of fasteners must be removed.

Goals will be set for each department for reduction in file cabinets.

These goals and a reminder of the schedule for paper and file cabinet pick up will be posted on the division's portable bulletin boards.

Schedule for paper pick up

Nov. 21, am . . . First and Second Floors RDL
Nov. 21, pm . . . Third and Fourth Floors RDL
Nov. 22, am . . . Second Floor ENG, Module 221 and all Modules North of 221
Nov. 22, pm . . . Second Floor ENG, Module 219 and all Modules South of 219
Nov. 23, am . . . First Floor ENG, All Modules North of Module 125
Nov. 23, pm . . . First Floor ENG, Module 125 and all Modules South of 125
Nov. 28, am . . . Third Floor ADM
Nov. 28, am . . . Second Floor ADM
Nov. 28, am . . . First Floor ADM
Nov. 28, pm . . . First and Second Floor SSB
Nov. 28, pm . . . Third and Fourth Floor SSB
Nov. 28, pm . . . Fifth Floor SSB
Nov. 29, am . . . Inventory Building
Nov. 29, am . . . GPL
Nov. 29, pm . . . Factory Mezzanine
Nov. 30, am . . . Small outlying areas, Cold Flow, IGL, etc.
Nov. 30, pm . . . EMF, SSL



Felix J. Scheffler, left, director of the division's Canaveral flight operations, recently presented a Martin Marietta Corporation check for \$2000 to James L. Muse, administrator of Jess Parrish Memorial Hospital in Titusville. The grant to the hospital will be used to prepare an in-hospital orientation and training program for patients so they will better understand facilities, equipment, and techniques used in their treatment and care.

Idea program cites employees for inventions, patents

Seven employees, recently honored for their ideas, are the latest to earn awards from the division's Idea program for inventions and patents.

The program is designed to encourage creative effort toward the improvement of division products, advancement in scientific fields, and to encourage division and corporate capabilities. Participation is open to all division employees.

Employees who recently earned awards:

Robert O. Leighou and Leighton A. Meeks, electronics: "Apparatus and method for receiving digital data at a first rate and outputting the data at a different rate." This high density tape recorder design was instrumental in winning contracts for the division. Significant future business is being generated.

Raymond L. Oppen, electronics: "A sensing system for directing reflected radiation (light) to a target." This sensing sys-

tem was developed for a closed-loop mirror heliostat. It adds to the abilities the division has to offer in pursuit of future solar power business.

Charles F. Jackson, manufacturing, test, and structures engineering: "Water conservation." This system for reusing waste water is being implemented in the division.

William J. Owen and A. Dale Mikelson, electronics: "Elimination of sextant solar occultation constraint." The incorporation of infrared detectors in the Martin Marietta space sextant provides operational flexibility.

Neil J. Butterfield, aerothermal and propulsion engineering: "No-shock separation device." This device could reduce or eliminate the damaging or functional impairment of sophisticated electrical and mechanical components due to pyro shock. It gives the division additional ordnance device capability.

These ideas, as are all submitted in the Idea program, were evaluated first by technical people qualified in the specific area covered by the idea and then by the division's product development review board. The review board determines patent action, future development and marketing, and award considerations.

The board may grant awards ranging from \$150 to \$1500. Inventors also may share in royalties realized from the sale or licensing of their inventions, up to 20 percent of the first \$100,000; 10 percent of the next \$400,000; and 5 percent of royalties above \$400,000.

Ideas for consideration should be submitted on Idea Report Form B to the division patent office.

Memo explains new patent agreement

A new employee patent and confidential information agreement recently was distributed to all division employees. When signed, the agreement replaces the one employees completed when first hired by Martin Marietta.

"Employees have asked a number of questions about the new agreement," Phillip L. DeArment, assistant patent counsel, said. "We have prepared a memorandum to answer the questions and to assure employees the new agreement is necessary for them and the Corporation. Copies of the memorandum will be available at the portable bulletin boards next week.

"While we have made only two changes, one of them minor and the other simply to expand the examples of confidential information in the agreement, employees have asked questions about other sections," DeArment said. "We believe the memorandum answers the most common questions."

Employees most affected by the agreement are asked to pick up a copy of the memorandum.

Employee honored for community work

"It was a pleasure to sit back and watch her 'lead the leaders' as Lakewood on Parade moved through the planning stages to become a successful community event."

That was the way the executive vice president of the Lakewood Chamber of Commerce, John Bowers, described the work of Irma Jean Guire, the division's chief of protocol, as chairman of the Lakewood event.

While she was leading the community event, Ms Guire continued to perform her division job so well she was cited for "outstanding sustained performance" and awarded a plaque at a recent division recognition dinner. That was not the first such award she has received. In 1972, she was awarded the coveted Jefferson Cup at the Martin Marietta Corporation's Honors Night banquet in Washington, D.C. for sustained outstanding performance.

Lakewood on Parade was an experiment this year to determine if it could become an annual community event. The experiment was a success and Ms Guire is serving on the five-member executive committee of the group planning next year's affair.



Ms Guire joined the Denver division in 1959 after serving as city clerk and finance director for Delta, Colo. She was first an administrative secretary in materiel and then was assigned to the customer relations section of the division's sales and requirements organization.

Her present position as chief of protocol grew out of that assignment.

She has taught in Martin Marietta's evening program and conducted night classes at a local business school.

Ms Guire is a volunteer probation counselor for the City and County of Denver. She is a member of the military affairs committee of the Denver Chamber of Commerce.

What does she do as chief of protocol? "I attempt to convince the public and those who visit us that we are the best operated facility in the world," she said.

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Know your Congress

This is another in a series of articles to acquaint employees with members of Congress who represent them and to let the legislators express their views on key issues. From time to time, we also will

talk about legislative issues that affect Martin Marietta. Employees are urged to write their legislators and to express agreement or disagreement with the stands the lawmakers are taking.

Senator Gary Hart

Gary Hart was elected to the United States Senate from Colorado in 1974. He serves on the armed services committee; the environment and public works committee; and the select committee on intelligence.

Before his election to the Senate, Senator Hart practiced law in both the private and public sectors. After graduating from Bethany College (Oklahoma) and Yale University Law and Divinity schools, he worked for the Justice Department in Washington. He later became special assistant to Secretary Stewart Udall of the Department of the Interior. He has been a lecturer at the University of Colorado School of Law.

The Senator pioneered a new concept in constituent services — a mobile office. The converted 21-foot motorhome travels around Colorado visiting the state's scattered communities and reaching thousands of people. The mobile office has been at the division to give employees an opportunity to talk with the Senator's staff.

Senator Hart has been a regular visitor to the division for briefings on the division's business, reviewing current programs and supporting the division's efforts to gain new contracts.

Here is the statement Senator Hart prepared for *Martin Marietta News*:

The Senate Armed Services Committee on which I serve increasingly appreciates the tremendous importance of effective and secure military communications. The work being done by Martin Marietta of Colorado in satellite and tactical communications helps to ensure that our armed services have the communication capability they will need for our future security. Systems such as Tactical Fleet Command and Communications, a major Colorado project, are as important to the Navy as aircraft carriers or submarines.

Equally vital to our national security, and to the expansion of our scientific knowledge, is Martin Marietta's work in space exploration systems. The Space Shuttle program has captured the imagination of the world, as well it should. It will mark the historic transition from exploring space to making use of space on a practical basis.



With their contribution to the Space Shuttle program Martin Marietta's Colorado employees continue the tradition exemplified by Titan III, the Skylab, and the Viking. It is an honor to represent the state and the people who are working so effectively for the nation's future.

One of my other major concerns for our state and our nation is the development and conservation of energy resources.

Solar energy is on the threshold of becoming a growth industry in our state and across the nation, and it is one of the areas in which the U.S. Congress can do a great deal to ensure its progress over the next few years.

As a clean, renewable energy source, solar is incomparable. Few energy alternatives presently available so well serve the goals of a comprehensive national energy policy.

What solar energy lacks at the present time are economic incentives to encourage its widespread commercialization. Through favorable tax policies and direct Federal subsidies, the growth of America's petroleum and nuclear energy industries was promoted. I am convinced that, given similar encouragement, the cost of solar energy can be brought down to a level which most Americans can afford.

The Federal government can and should play a key role in the promotion of solar energy. Legislation which I have introduced in the U.S. Senate would require

the government to use the tremendous tools at its disposal for that purpose.

First, the government is the nation's largest landlord and energy consumer. One of my bills would therefore require the federal government to bring its 400,000 buildings — with over 2.5 billion square feet of space — up to energy-efficient standards. Major provisions of this bill were recently adopted by the Senate in its consideration of President Carter's energy package and will result in energy conservation improvements and solar energy additions to federal buildings over the next 12 years.

Second, the government is also the nation's largest purchasing agent, so another bill I have introduced requires the government to use "life cycle" costing in its purchases of energy-intensive consumer goods and building materials so that long term costs as well as initial costs are considered. Solar energy, as an energy source which costs next to nothing over its lifetime, looks quite favorable when life cycle costing is used.

Third, the government is the nation's major lender, so another bill would make low-interest loans available to homeowners and residential builders for the purchase and installation of solar heating and cooling equipment. My bill was recently included in Mr. Carter's energy package by the Senate, providing full federal financing of solar equipment (up to \$8,000) at 4 percent over 15 years.

Finally, the government is an innovator. Through my amendments to budget bills, government agencies which perform energy research and demonstration have been given significant increases in funds to develop and promote solar energy technology and equipment. And through my chairmanship of the military construction subcommittee, \$200 million was added to the Defense budget for new energy conservation efforts on military bases. Without federal support for innovations in the solar energy area, we would be years behind.

Colorado has exhibited great leadership in the solar field already, a point underscored by our successful bid for the Solar Energy Research Institute (SERI). With the establishment of this Federal facility in our state, I am optimistic that solar energy will soon be able to contribute its full share to our energy needs.

Martin Marietta also deserves much credit for, and its employees can take great pride in, its leadership on solar energy in the community sector. The development of a complete solar power plant for electricity production, and in particular, the "concave mirrors" developed by Martin Marietta are of the first and finest industrial applications of this innovative technology and are an example for the rest of the industry to follow.

At Cape Canaveral

Employee's job spans 40 years of history

Eggs were 25 cents a dozen in Baltimore on March 22, 1937. Veal was 17 cents a pound and chuck roast was 15 cents a pound. President Franklin D. Roosevelt was vacationing in Warm Springs, Ga., the United Auto Workers were on a sit-down strike, and the Pope rebuked Hitler in an address to the German people.

That same day John R. Konarski went to work for the Glenn L. Martin Company.

Forty years later prices are much higher, Roosevelt and Hitler are both gone, but Konarski is still a diligent and reliable employee with the Martin Marietta Corporation, successor company to the one for which he began working.

His span of productive years with the Corporation covers the aeronautics-aerospace industry from the B10 bomber to Titan IIIC/Titan IIIE.

A native of Baltimore, Konarski began his career in the metal bench and welding shop working on the B10 bomber.

He next worked on the Russian clipper in the tool manufacturing section, remaining in this group for 11 years. In 1949, he became a senior engineering draftsman in the master line group.

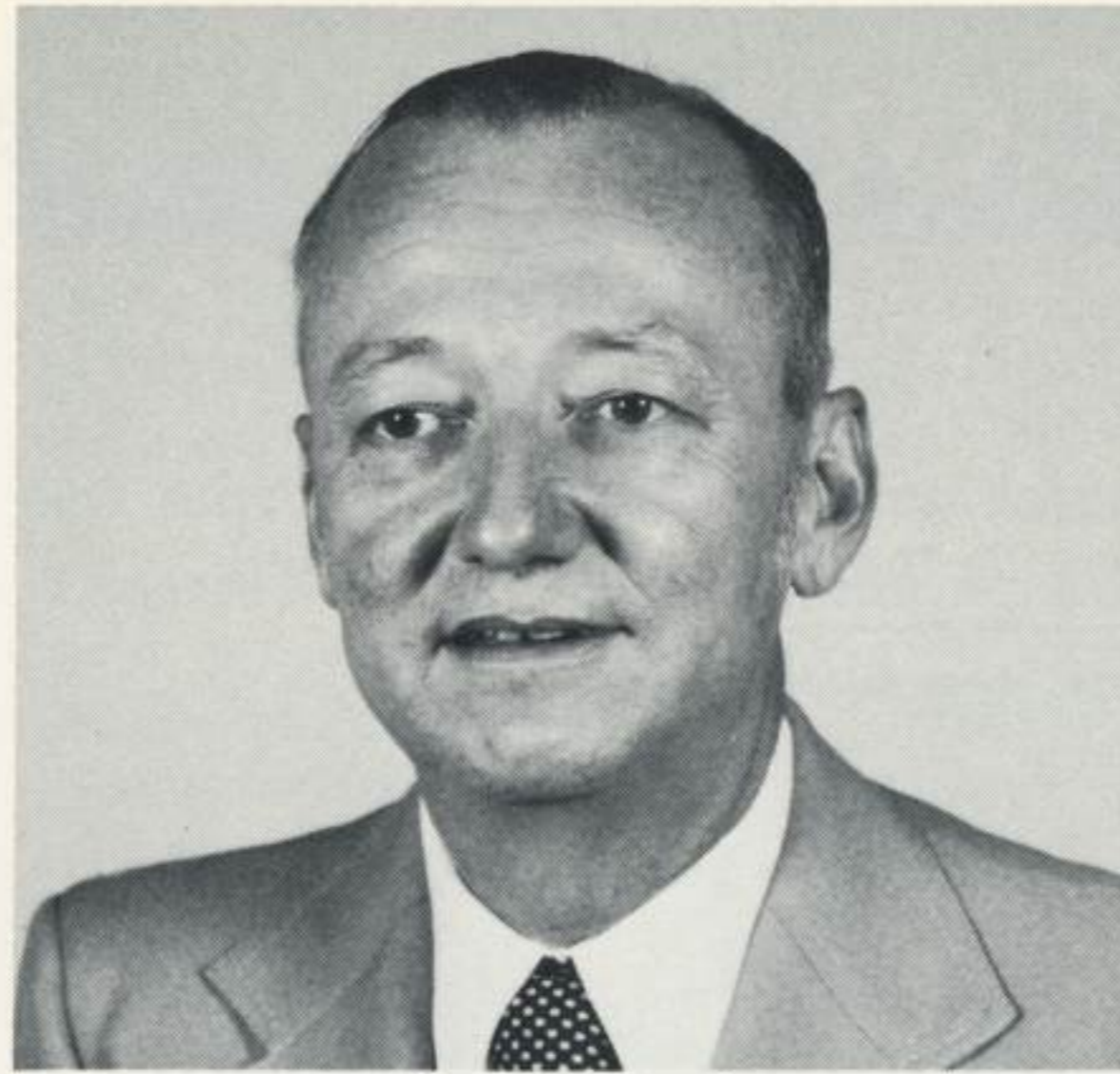
In 1952, Konarski moved to the Matador project as a controls technician. It was this job that brought him to Cape Canaveral with the Matador test crew that helped launch six missiles.

He has been at the Cape since — except for 18 months when he blended his talents with those of the test crew at Holloman AFB, N.M., where the early Maces were flown.

After that assignment, Konarski joined the first Vanguard program for six launches, progressing then to the Titan I program for nearly 30 launches as lead technician in flight controls. Konarski helped launch the first Titan II and went on to the test tooling group on the Gemini manned-space program. Joining the Titan III program in its earliest days, he has stayed with that program to the present.

On the cover

The basic structure for the SCATHA spacecraft is being assembled at the division. Working on the assembly are, from top to bottom, Duane J. McKellips, manufacturing engineer; Roy W. Jenson, spacecraft technician; Carl Covington, spacecraft technician. The spacecraft will be delivered in 1978 for launch early in 1979.



Alan L. Schaeffle



Joseph T. Keeley

Payload integration contract earns division key role in Space Transportation System

The award of the payload integration contract (PIC) to the Denver division has given the division a key role in the use of the Space Transportation System for Department of Defense payloads.

Major objective of the division's activity will be to develop and maintain the capability to integrate payloads with the Space Shuttle for launch from Kennedy Space Center and Vandenberg Air Force Base. The payloads include spacecraft, upper stages, and airborne support equipment carried on board the orbiter.

The three-year cost-plus-incentive contract is worth approximately \$14 million. About 150 employees will be assigned to the project, about one-third in a facility at El Segundo, Calif. and about two-thirds in Denver.

Alan L. Schaeffle, project director, will have his office in California while his deputy, Joseph T. Keeley, will remain at the division.

Others in key positions on the PIC project are John L. Simpson, safety manager; Robert R. Prudhomme, quality assurance manager; G. Edwin Reed, payload integration manager; John R. Youngquist, interface/integration manager; Robert D. Vaage, analytical support manager; Tal K. Sulmeisters, mission operations manager; William P. Pratt, payload integration equipment manager; and Brian N. Etheridge, software verification and validation manager.

Although the contract was awarded by the U.S. Air Force Space and Missile Systems Organization (SAMSO) and calls for major support to the Air Force and the DOD, the division also will provide integration for some NASA payloads.

"The tasks we must perform are many and varied," Schaeffle said. "We will have a great deal of contact with everyone

involved in the Space Transportation System — the Air Force, NASA, and the payload contractors.

"We will be going to a lot of meetings," he said.

At Michoud

Development seminars held for supervisors

The first of four supervisory development seminars to be held at Michoud was completed in late October. Nineteen supervisors completed the 18-session program.

The seminar was designed to emphasize basic fundamentals of leadership and supervision; the application of employee and labor relations policies and procedures; and the assistance available to supervisors in carrying out their responsibilities.

Seven of the sessions were conducted by the Tulane University graduate school of business administration with the objective of increasing supervisory effectiveness in aspects of management with special emphasis on self-evaluation and communication. Other sessions were conducted by Martin Marietta managers of quality assurance, safety, labor and employee relations, training and certification, and equal employment opportunity.

Completing the seminar were Doyle Beck, Donald Bergez, Robert Carter, William Cliff, Ruffin Duett, George Gantt Jr., Robert Golla, Raymond Gregg, James Holder, Richard Holland, Arther Ladner, Ronald Martin, Evan Reynolds, Frank Rumore Jr., Charles Seymour, Herbert Sykes, Ruth Tolliver, Harry Van Brunt, and James Weston.

At Vandenberg

Big Brother operation aids needy



Happiness radiates from the face of this young guest at last year's Christmas luncheon.

More than 200 children from the most needy families in the Lompoc-Santa Maria-Vandenberg area will be guests at the Operation Big Brother Christmas luncheon this year. Sponsored by the aero-space industry and Air Force per-



T. S. Fujiyoshi, director of Vandenberg flight operations, standing, expresses his appreciation to D. N. Loats for his long tenure as Big Brother chairman. Lois Wishard, right, is the incoming chairman.

sonnel assigned to Vandenberg AFB, the organization provides toys, clothing, and a turkey-dinner food basket to the youngsters. The luncheon will be held December 21.

Money for the event comes from fund-raising efforts of each participating company and Air Force unit.

The Denver division's Vandenberg flight

operations fund activity has been headed by D.N. Loats for many years. He is being succeeded this year by Lois Wishard.

Martin Marietta's William J. Leary is the contact representative for all aerospace contractors at the facility.



Brigadier General Stuart H. Sherman, commander of the 1st Strategic Air Division, assists a young engineer in the design and build theories of "air-propelled rocketry."



Anticipation of things to come put this child in a pensive mood at the Operation Big Brother's 1976 Christmas luncheon.