

Astros' Menu: Turkey, Yes; Cranberry Sauce, No!

Gemini 7 astronauts James A. Lovell and Frank Borman, and backup pilots Ed White and Michael Collins can eat turkey tomorrow — if they wish.

Dietician Jean Reid explained the astronauts were on a precise diet, and their menu called for filet of beef tomorrow, but they can substitute turkey for it.

If they decide to have turkey they can also have dressing, but only if they skip hot rolls, she added. Their entree will also be accompanied by fresh mushrooms, baked potatoes with sour cream, green

beans, salad with French dressing, canned pears and iced tea.

They cannot have cranberry sauce, however. It's too much of a departure from their day-to-day menu.

SPACEPORT

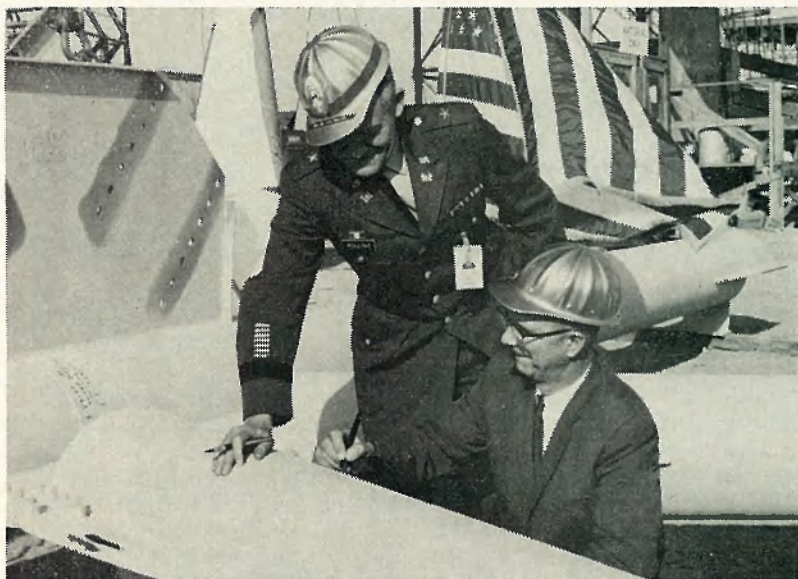


NEWS

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Kennedy Space Center, Fla.

November 24, 1965



COLONEL Robert E. Snetzel, acting Chief of the Kennedy Space Center's Facilities Engineering and Construction branch, signs steel beam that topped out structural steel work on the Mobile Servicing Structure Friday. At left is Brigadier General A. P. Rollins, Deputy for NASA Support, Office of the Corps of Engineers Chief, Washington.

Heavy Steel Beam Tops Out Mobile Servicing Structure

A heavy steel beam was hoisted into place atop the 102-foot Mobile Servicing Structure at the Kennedy Space Center Friday afternoon, signifying completion of structural steel work on the facility.

The servicing structure will be used at Launch Complex 39 for spacecraft fueling and checkout at Apollo/Saturn V pad areas.

It will also permit external access to the Saturn V lunar launch vehicle, providing KSC personnel with a means of access to the vehicle on the side opposite the mobile launching tower. The Mobile Servicing Structure will have five plat-

forms, two for launch vehicle work and three for spacecraft operations at the pad.

An \$11.5 million contract for construction was awarded by the Canaveral District Corps. of Engineers to the joint venture firm of Morrison - Knudson - Perini - Hardeman in October, 1964.

Although the basic structural steel work has been completed, ground support equipment, spacecraft piping, and instrumentation and communication cabling must still be added. Overall completion date for the structure is August 15, 1966.

(See HEAVY, Page 6)

Special Launch Team Speeds Gemini Work

To speed up handling of "short lead time" requirements on the Gemini 7 and 6 missions, a special launch support team has been formed.

Team chief is Gordon W. Knight of the Kennedy Space Center. Other members are Major E. L. Mott of the Air Force Eastern Test Range and G. J. Karras of the Goddard Space Flight Center.

Requirements the team handles generally concern changes involving communications.

"Under normal operations," Knight said, "such requirements would be submitted to NASA Headquarters in Washington and then farmed out to the appropriate agency. This takes a week or more. Our

(See SPECIAL, Page 5)

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Gemini Crews Continuing Preparations

Most engineers and technicians working on Gemini flights 7 and 6 will be able to spend the Thanksgiving holidays with their families, but for a few, it will be turkey sandwiches at Launch Complex 19 Thursday.

Fritz Widick, Kennedy Space Center spacecraft test conductor for the Gemini 7 mission, said a minimum crew will be at the pad Thanksgiving Day for suit circuit leak checks.

Otherwise, it will be a busy week. The spacecraft and launch vehicle for 7 were mated Monday, and an electrical integrated interface validation check was run.

Final systems tests were scheduled for Tuesday, and propellant loading for the orbital attitude maneuvering and the recovery control systems is on tap for Wednesday and Friday. The final simulated flight of Gemini 7 is set for Saturday.

A new fuel cell was successfully checked out last week. The original fuel cell on Gemini 7 was replaced when an over-pressure occurred earlier last week.

(See GEMINI, Page 2)



KSC's Gordon Knight heads the Gemini Launch Support team.



PRETTY SANDIE Corbin, a secretary in the KSC Real Estate Office, draws the first winning ticket for the allotment of 25 duck blinds which are made available to hunters each season by the Center. Curtis Wilson, Manager of the Merritt Island National Wildlife Refuge, holds container full of applicants' numbers. The duck hunting season opens tomorrow and runs through December 4. It also runs from December 18th through January 8th. During these periods hunting is allowed from sunrise to Noon daily except Sundays and Mondays.

Thanks To The Many

Thanks!

Thanks are in order to three out of every four KSC employees, for 75 percent of the Center's personnel contributed to the 1965 United Fund drive.

These people shouldered the load for the entire Center and enabled it to meet the set goal of \$25,000 in the 11th hour last week. Chairman John Donovan said the total figure would probably be closer to \$27,000.

To make the goal many KSC employees pitched in with far more than their share. JPL here, for instance, collected over \$1,000 from just 25 employees—that's an average of better than \$40 per employee.

Thus, to the three out of four employees at the Center who lived up to their community responsibilities: thanks for a job well done.

GEMINI CREWS

(Continued from Page 1)

While the Gemini 7 launch date nears — it is scheduled for flight no earlier than December 4 — Gemini 6 is undergoing checkout at Kennedy Space Center facilities on Mer-

ritt Island.

Gemini 6 spacecraft test conductor Don Cromer said it would be in the Cryogenic Building all week being readied for servicing. There are no plans for Gemini 6 personnel to work on Thanksgiving Day Cromer added.

Five Employees Cited For Cash-Saving Ideas

Five KSC Procurement Division employees have received incentive awards for suggestions which have resulted in monetary savings and more efficient operating procedures.

Dual awards were made to Mrs. Helen L. Berry and Mrs. Sara Ann Metzger. Mrs. Berry, a clerk-typist in the Records Control Office, received a cash award of \$35 for an improvement to her section's filing system that will save the Center an estimated \$2,000 annually.

She also received a letter of appreciation for her suggestion that consolidated three filing systems formerly needed to reflect the contract status of active procurement contracts.

Mrs. Metzger, a contract administrator, received a \$15 award for her suggestion that will simplify locating the technical representative assigned to represent the Center for each procurement activity.

Mrs. Metzger also received a letter of appreciation for her suggestion that will reduce research time by having alphabetical listing of contractors include the address of the particular division to which each contract has been awarded.

An award of \$50 was presented to Mrs. Elizabeth A. Moyles, a procurement clerk in the Reports and Document

Control Office. She recommended NASA-wide usage of a "No Bid" return card to identify contractors wishing to abstain from competition on any particular contract.

A suggestion to establish a procurement record card earned \$15 for Mrs. Kathryn W. Tate. In the past, folders on procurement contracts were sent to a historical file. Wherever it became necessary to recall these folders for the evaluation of contractor performance of price comparison, a three to four day flow time was required.

Mrs. Tate's suggestion will establish an immediately available procurement record card listing all information necessary for routine evaluation or price comparison, thus eliminating the necessity to refer to the central files.

The final award, \$245, was made to Mrs. Frances M. Fellows, a procurement clerk in the Reports and Control Office. Her suggestion involved the use of reproducible mats for the typing of reports that, when compared to the old method of multiple typing, will save the Center an estimated \$4,839 per year.

The suggestion awards program is a continuing effort to encourage Kennedy Space Center employees to remain alert in their search for better work methods.



ALL SMILES after receiving Sustained Superior Performance awards is this quartet of KSC employees. Left to right are, Rebecca L. Shaw, Legal Office; Norma J. Randall and Juanita F. Cox, Procurement Division; and Jim Craig, Administrative Services. Assistant KSC Director for Administration, George Van Staden, presented the awards.

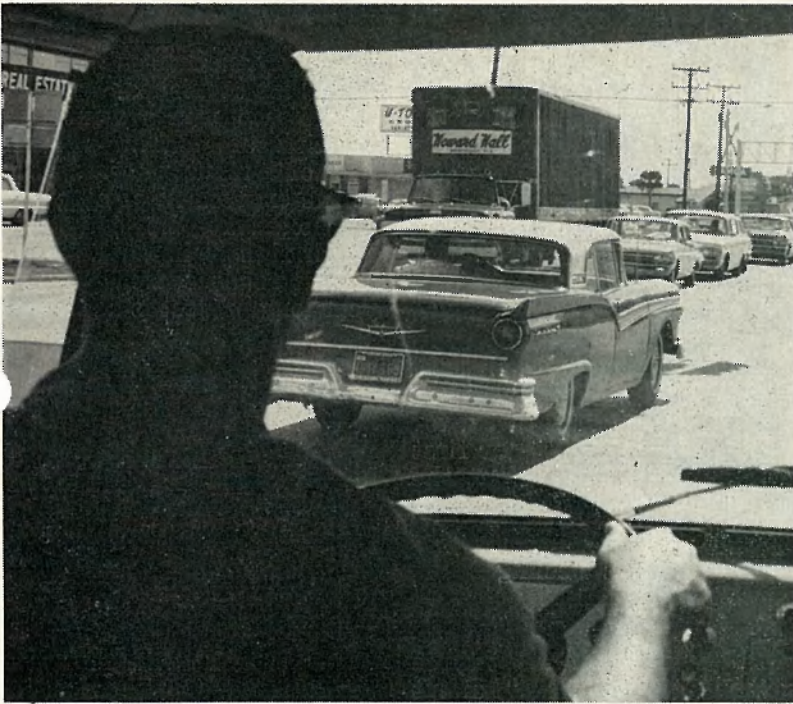
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They Buck Rush Hour Traffic All Day Long



THIS FAMILIAR sight, of clogged lines of traffic, faces all KSC employees twice daily, when they come to work and when they go home. For GSA drivers Howard Lamar and Al Suggs, however, it is an all day picture, for they make continuous runs between Cape Kennedy and Cocoa Beach.

Rush hour traffic is bad enough, but what if you had to buck it all day long?

That's just what Howard Lamar and Al Suggs, General Services Administration drivers at the Kennedy Space Center, do eight hours a day, five days a week.

They each make five round-trip runs daily from the Holiday Office Center in Cocoa Beach to the E and L Building at Cape Kennedy.

"Actually the only real bad times are in the early morning and late afternoon," Suggs said. "The traffic thins out somewhat during the day. That is, except on occasions of a big launch, then it's jammed all day long."

Each driver logs about 1,300 miles a week enroute.

"I'd rather have this than any other run," Suggs said, "despite the traffic. This keeps me real busy. You have to pay particular attention to what you're doing. There's no time for daydreaming."

"People pull out in front of you, or don't give turn signals until they jam on the brakes and swerve off the road."

Contrary to popular belief, both drivers move pretty fast even during the rush hours. "We move with the traffic and it goes fairly good most of the time."

Passengers using this service are fairly steady customers. Many of them work at

contractor quarters between the terminal points of the route.

Suggs and Lamar are both veteran GSA drivers and they know every inch of the road, every potential trouble spot. Proof of this is in the fact they buck the mainstream of traffic all day every day and neither has suffered as much as a bumper scrape.

Chrysler Team Moves

The Chrysler Corporation has announced the change of location of their Systems Test Department headquarters from the Michoud Assembly Facility in New Orleans to the Kennedy Space Center.

President H. D. Lowrey said the new organization alignment will increase the emphasis being placed on Florida activities.

R. F. Gompertz, Systems Test Department Director, will have the following personnel reporting to him at the Florida location: L. H. Yount, Systems Launch Branch Manager; P. F. Fahey, Launch Engineering Branch Manager; and W. F. Koch, Program Office Manager.

BUSINESS BOLSTERED

NASA placed approximately \$4.1 billion of its prime contracts with business firms during fiscal 1965.

Election On Tap Monday For Association Officers

Election of the Activities and Welfare Association's first officers will be held at the Kennedy Space Center Monday. All KSC civil service employees are eligible to vote.

Representatives are to be chosen on a proportional basis, from each primary organizational element of KSC. Nominating petitions for officers were turned in last week and ballot sheets will be distributed tomorrow.

An executive board, elected by and for the members of the general assembly, will exercise general supervision over the affairs of the association.

The Activities and Welfare Association, a branch of the NASA Exchange - KSC, will, among other things, promote athletic events, banquets, dances, parties, picnics and other activities which are entertaining and recreational in nature.

Purpose of the Association will be to develop athletic, recreation and social activities which present an opportunity

for social contact between government and industry employees in a manner devoid of any official conflicting interests.

The election committee is manned by James F. Russo, Chairman, Robert H. Clark and Thomas E. McGuire.

009 STATIC TESTED AT CAPE COMPLEX 16

The service module of Apollo Spacecraft 009 was successfully static fired Friday at Complex 16, Cape Kennedy. The module's propulsion system burned for a period of about 20 seconds.

Spacecraft 009 will be flown early next year when NASA's first Saturn IB is launched on a ballistic flight into the South Atlantic Ocean. On that mission the service module's propulsion system will be fired twice on the flight in the first test of its kind for a component of the Apollo spacecraft.



GSA shuttle drivers Howard Lamar, left, and Al Suggs compare notes before beginning another day of transporting KSC passengers through rush traffic from the E & L Building on the Cape to Cocoa Beach and back.



WOOD sculpturer Lawson Clover exhibits his prize winning, red cedar carving of a "Weeping Madonna."

TWA Promotions Announced By Manager R. W. Wilson

Several top management representatives for Trans World Airlines here have been involved in a series of transfers and promotions, according to R. W. Wilson, vice president and KSC project manager.

Effective Nov. 15, George J. Balla, who has been administrative assistant to the project manager, assumed the role of assistant manager in supply operations.

Winford A. Swenson, who formerly handled special assignments for Wilson, now is administrative assistant to the project manager.

Norman L. Paxton, recently retired from the U. S. Navy as a captain attached to the Joint Chiefs of Staff, Washington, D.C., has been hired as manager of plans and programs.

In other action, Wilson also

Mariner Coming Back

NASA's Mariner IV spacecraft which flew past Mars last July 14 will make its closest approach to earth—a distance of 29 million miles—on Sept. 17, 1967. Mariner is now in orbit around the sun,

named R. J. Forhan, director of the Launch-Test Support Planning Group, to carry the additional title of Launch Complex 39 site manager, as primary TWA contact there.

Frontiers Of Science Group Tours Spaceport

About 60 members of the Frontiers of Science, Foundation of Oklahoma, Inc., toured the Spaceport yesterday as guests of the Kennedy Space Center.

They were greeted by NASA Administrator James E. Webb, who served as first president of the Foundation.

The non-profit organization was founded 10 years ago by a group of Oklahomans concerned with the frontiers of science, education and technology.

Through the Foundation—an integrated and balanced team of industrialists, educators, and professional people—Oklahoma is seeking her place on the new worldwide frontiers of science, education and technological change.

Successful Wood Sculpture Requires Strong Feelings

"If you don't feel strongly about a subject, you can't work with wood. You have to really want to say something—to express yourself—or it won't come through."

The words above are those of Phineas Lawson Clover, Jr., an illustrator at the Kennedy Space Center with IBM. He was speaking of his favorite pastime—wood sculpture. And he was speaking with authority. He has just won, for the second straight year first prize in this category at the annual Cocoa Beach Arts Festival.

Conveys Feeling

His entry was a red cedar carving of a "Weeping Madonna." Clover spent about three months on the work. "I didn't go by any blueprint or graph. I tried, instead, to feel the Madonna crying, and then convey this feeling in wood." The judges, apparently, were convinced he accomplished this.

Clover, who works in the Vehicle Assembly Building, has been carving for more than a quarter of a century. He has sold many of his works and has had a number of one-man shows.

"Anyone can develop the art," he says, "anyone, that is, who is stubborn enough to stick with it. I can work two or three hours in one night and the layman won't see any difference in the piece of sculpture."

Clover turned out one of his best pieces of work in two weeks, but he has spent over

a year on another subject and it still isn't finished.

The two weeks went into creation of "Pain," a small bust of a man. "I compare it to the expression of a battered boxer at the end of a tough fight," he said. "This man is really suffering." The year long project is a two and a half foot tall carving of St. Francis.

Clover uses various chisel to sculpt with, and likes to work with red cedar. "It carves nicely and smells wonderfully," he points out.

He admits that his avocation is a dying art. "Few people seem to have the time for it anymore. The work is slow. You have to think as you go and there's no room for mistakes.

"I carve purely for personal satisfaction. It's a form of communication. Wood sculpture is a major form of art expression. I can show form that cannot otherwise be portrayed."



MRS. ANNE Edrington, a secretary, is the 2,000th employee to be hired by Trans World Airlines and its two sub-contractors at the Kennedy Space Center over the past 20 months. TWA's contract now has the fourth largest number of persons on an industrial payroll in Brevard County.

Press Quarters Leased

The Kennedy Space Center is leasing the tenth floor of the Cape Royal Office Building, A1A, Cocoa Beach for news operations during the Gemini 7 and 6 flights scheduled December 4 and 13.

NASA will establish a news center at this location serving the press, radio, and television covering the two manned launches. It is estimated that more than 600 media representatives will be in the area.

The Gemini news center will open on Monday, November 29.



NEARLY 300 people attended the three day National Conference for Space Age Facilities held in Cocoa Beach last week. Above, Arthur G. Porcher, of the Kennedy Space Center, briefs Major General Vincent G. Huston, Commander of the Air Force Eastern Test Range; William D. Alexander, program chairman for the conference; and William C. Bodand, chairman of the American Society of Civil Engineers' executive committee. Porcher explained Saturn facilities at KSC.

KSC EMPLOYEES REMINDED OF GRATUITY ACCEPTANCES

John Lacy, acting chief counsel of the Kennedy Space Center, in a recent memo, reminds KSC employees about acceptance of gratuities as the holiday season nears.

"NASA Management Manual Instruction 1930.1 provides that no NASA employee may accept from any person or corporation with which NASA has, or may have business, anything of value as a gift, gratuity, or entertainment which might reasonably be interpreted as being of such a nature as to affect the employee's impartiality," Lacy said in the memo.

"As a general rule, any gifts or gratuities received by NASA employees should be returned to the donor, if possible.

"Gifts should be returned unless they consist only of advertising articles of nominal value, such as calendars and inexpensive ball point pens.

"Since the responsibility for complying with the regulations and pertinent provisions of the U. S. code is placed upon employees, contractors should be advised of this policy, and be requested not to offer gifts.

"If any questions are raised concerning the acceptance of gifts, employees may consult

the KSC Personnel Office for advice."

CENTRAL CAFETERIA TO OPEN 24 HOURS

The NASA Exchange Council has announced that beginning Monday, November 29, the Central Cafeteria will remain open on a 24-hour basis, Monday through Friday each week.

The cafeteria will continue to remain open until 2:30 p.m. on Saturday and will be closed on Sunday. As a result of the increased activity at the Kennedy Space Center larger numbers of employees are being used on the second and third shifts.

The round-the-clock experiment will continue until a determination can be made as to whether or not the number of people utilizing this service justifies its continuation on a permanent basis.

To Develop Capability

NASA's sustaining university program is aimed at helping many universities develop their capability and participation in building U. S. pre-eminence in aeronautics and space-related science and technology.

Champion KSC Bowler Tops 'State's Keglers

The Kennedy Space Center has an all-star champion bowler in its employ.

Pat Cripe, of the Paperwork Management Branch, recently topped more than 125 entries to win the Florida State All Star Elimination Tournament.

"I got a few breaks when others didn't," she modestly says. But the statistics don't bear her out. Her victory was no fluke. She averaged 178 in 16 games to qualify for the semi-finals, and stepped up the pace to post a 187 in 20 games to make the finals.

Then she really poured it on, averaging a remarkable 193 in 24 games to top the best women bowlers in the state. Included in the run was a high single game of 267, in which she spared the first two frames and then struck out.

The final match went down to the wire. She needed 20 pins in the last frame and with pressure mounting on each roll, came through with a spare and a strike. This gave her the match by a single pin!

The tournament was sponsored by the Bowling Proprietors Association of America, and Pat's victory qualified her for the national tournament which will be held in Lansing, Michigan, in January.

She has been bowling for 10

years, but has competed in tourneys only the last two years. This was her biggest victory, although she has a number of local titles to her credit.

She won a silver trophy, but was more proud of another title she copped in St. Petersburg. Her fellow bowlers voted her the Sportsmanship Award.

Pat uses a short sharp hook to "mix things up," and recommends practice and concentration as the two key ingredients for a successful game.

"Too many people take things too seriously, and it hurts them," Pat says. "They throw a bad ball and then get mad at themselves."

Locally, Pat is in three leagues and carries an overall average above the 180 level. She also finds time to work with junior bowlers, instructing them on the basic fundamentals.

Special Launch Team

(Continued from Page 1)

team has been set up to cut down this processing time as much as possible due to the tight mission schedules for Gemini 7 and 6."

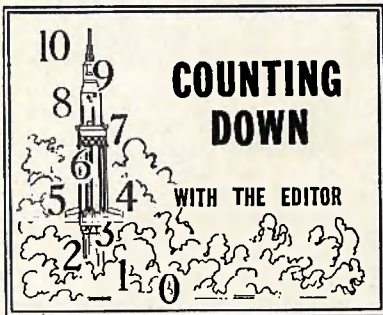
Knight explained that when the team receives a requirement they now go immediately to the responsible agency. For instance, if a requirement comes through for an item involving Department of Defense support, Major Mott will handle it directly.

"Our busy time starts about two weeks before a scheduled launch," Knight pointed out. "Normally, we work in our regular offices, until the countdown begins, then we into the Mission Control Center at the Cape to support G. Merritt Preston, KSC's Deputy Director for Launch Operations.

The team first went to work prior to the Gemini 6 mission which was postponed last month. Knight said they handled 48 requirements changes in the days before launch of the Agena target vehicle.



ALL STAR champion bowler Pat Cripe of KSC displays her latest trophy.



Mahomet the Prophet couldn't move a hill but a weather satellite called Nimbus moved a mountain.

Nimbus didn't move Mount Siple in the literal sense, but photographs taken by the 830-pound satellite show that present relief maps are in error.

Mount Siple, a 10,000-foot-high Antarctic mountain used by pilots as a navigational aid, will be repositioned 45 miles further west on future relief maps.

This is just one of two major changes planned by the U. S. Geological Survey as a result of months of studying approximately 300 pictures taken over the Antarctic by the Nimbus weather observer.

Another significant change involves the Kohler Range area. Nimbus I pictures indicate that a mountain group thought to be in the Kohler range area doesn't really exist.

It seems that two different expeditions sighted the mountain group and positioned them at two different locations. Both groups now appear on present maps but will be changed on future maps to show only one mountain group.

The Nimbus is launched by a Thor Agena under the direction of Robert H. Gray, Assistant KSC Director for Unmanned Launch Operations, at the Western Test Range.

Nimbus I took some 27,000 day and nighttime pictures before it stopped operating last September.

* * *

To afford better Center-wide news coverage of KSC contractor activities, the Spaceport News, beginning today, will publish six pages per issue rather than the normal four.

The extra two pages will be devoted primarily to telling the story of the Center's mission and state contractors — their work and their people. News items concerning such activities should be forwarded to the editor, SOP 3223.



WHAT APPEARS to be a serious accident in the palmetto scrubs on Merritt Island is in reality a disaster training drill. Left to right are Dave Muenzel, A. P. Hittell, Marshall Pratt and Ronnie Masek. All are with RCA except Hittell, who is with the KSC fire department. The crews are trained by KSC first aid instructor Tony Roso of TWA to render immediate aid to victims in the event of a disaster.

Sanitary Rockets At Spaceport

Sam Mayo of the KSC Security Office passes along the following story, which actually happened during the Sunday drive through tour last week.

Seems a visitor stopped near a temporary rest room, which are conical-shaped facilities. He walked over to a security patrolman and asked where the nearest "men's room" was.

"You're standing right next to it," the guard replied.

"I'll be darned," said the visitor. "I thought that was one of your rockets."

Local Reserve Unit Cited For Service

Naval Reserve Intelligence Unit 6-1-25, which meets at Patrick Air Force Base, has been presented an award as the most outstanding unit in the Reserve Intelligence Program, covering a seven-state Naval district.

The local outfit has 22 reservists, most of whom work in the Cape-Spaceport area. Seven are KSC employees. They are: R. B. Babcock, Chuck Hollinshead, Al Lavender, H. J. Powell, F. B. Shoemaker, Angelo Taiani, and S. S. Tucker.

The unit was feted at a formal dinner in Augusta, Georgia, recently. Rear Admiral Jack S. Dorsey, Commandant of the Sixth Naval District, was principal speaker.

HEAVY STEEL BEAM

(Continued from Page 1)

Participating in the topping out ceremonies were Colonel Robert E. Snetzel, Acting chief of the Kennedy Space Center's Facilities Engineering and Construction Branch; Brigadier General A. P. Rollins, Deputy for NASA Support, Office of the Corps of Engineers Chief, Washington, D.C.; Colonel Joseph A. Bacci, Corps resident engineer for the Vehicle Assembly Building; Frank Robertson, project manager for the prime contractor, Morrison - Knudsen-Perini-Hardeman; and Robert Simpson, general manager, and L. G. Lancaster, project manager, for Allied-Shaffer, sub-contractor for furnishing and erecting the steel in the Mobile Servicing Structure.

KSC Project Manager for the Mobile Servicing Structure is James Ellis.

Accidents are results of overlooked hazards.



Dear Sir:

How are the astronauts going to take a bath and change clothes on the Moon?

Nancy Raings
Holliday, Texas

Cable Pact Announced

A \$1,399,500 contract has been awarded to Akwa-Downey Construction Co., of Milwaukee, Wis., for adding nearly 100 miles of instrumentation and communication cable to Launch Complex 39.

The cable will link the second moon launch pad—Pad B of Complex 39 — with the Launch Control Center and the Vehicle Assembly Building.

HOLIDAY TOMORROW

Tomorrow is Thanksgiving and will be observed as a holiday by employees of the Kennedy Space Center. Drive safely.

Because many people will be working at Merritt Island Thursday, the Spaceport will not be open to the public on Thanksgiving Day. It will reopen as usual this weekend.