

Ripped from the ROUNDUP

Ripped straight from the pages of old Space News Roundups, here's what happened at JSC on this date:

1 9 6 4

A new tool developed at the Marshall Space Flight Center saves the government about \$30,000 every time it is used.

Known as a magnetic hammer, the tool is used in the manufacture of fuel tank domes for the giant Saturn V Moon rocket booster which will send U.S. astronauts to explore the Moon. The magnetic hammer removes distortions from metals using electrical pulses lasting about 500 millionths of a second. Since the magnetic field pressure is distributed through the volume of the material, the resulting metal forming is uniform with no surface blemishes. It has been used eight times during the past six months – for a saving estimated at \$240,000.

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The Apollo 11 astronauts made a stop in Amsterdam to visit with Dr. T. Samkalden, Mayor of Amsterdam, as part of their world tour. The crew of Apollo 11 aren't the only ones on tour for NASA and the United States. Dr. Charles A. Berry, JSC flight surgeon, just returned from a trip to Europe of South America which included brief visits to Moscow, Rome, Milan, Amsterdam, Brussels, Lisbon, and Mar del Plata.

Dr. Berry was honored in Moscow by a gala reception at the U.S. Embassy and at numerous receptions given for him by the USSR Academy of Sciences throughout Russia. His trip also included an audience with Pope Paul.

1 9 8 4

Astronomers have taken the first pictures of an extragalactic pulsar, the superdense remnant of a dead star that spins 20 times per second and throws out intense beams of energy. The pulsar, the first ever to be photographed outside of the Milky Way, lies in the Large Magellanic Cloud, a companion galaxy to our own. Scientists are studying the star's braking mechanism and sudden movements of its surface. "It strikes me as almost absurdly fascinating ... we are measuring one-micron changes at a distance of 150,000 light years," said Carl Pennypacker of the University of California's Lawrence Berkeley Lab.



'Out of this World Pizza'

Oven fresh pizza delivered to your door

Hungry? For those rainy days when you don't want to venture out of the office, for those special occasions such as a fellow employee's birthday, for those times when you want to eat on the run and leave a bit early, or when you just can't get over to the cafeteria, there is a new item on the JSC cafeteria menu that might interest you: pizza. And it's deliverable to your office – just call "Out of this World Pizza" at x41PIE.

"The main reason we entered into this new venture is to reach out to people in the outlying areas across the center," said Gary Novominsky, JSC cafeteria manager. "It's difficult for some employees to get to the cafeteria. If people can't get to my cafeteria, I'm going to deliver the food to their offices."

The idea for "Out of this World Pizza" came from the NASA Exchange Operations Manager Karl Schuler. A similar pizza delivery service is available to employees who work at the Medical Center. Because hospitals – like JSC – are huge facilities, it's not viable for an outside food delivery service to come onto the site and deliver. The Exchange is tailoring a similar program to fit the needs of JSC patrons.

Taste tests on different sauces, crusts and cheeses were done last July with the Exchange staff and with potential JSC customers. JSC Exchange employees settled on a product that everyone liked.

"I didn't want to put out a product that was just OK," said Novominsky. "I wanted to put out a product that people would enjoy and order often."

More than 500 pizzas were sold in the first month after the program began August 9. The favorite is the "Galactic": pizza with hamburger, sausage, onions, mushrooms, and Canadian bacon. Vegetarians to meat lovers will find something of interest on the current



NASA JSC Photo 99E12401 by Bill Stafford

Gary Novominsky, JSC cafeteria manager (and pizza delivery guy) delivers fresh hot pizza to STS-97 crewmembers, front row, from left, Pilot Mike Bloomfield, Mission Specialist Marc Garneau, Commander Brent Jett, and back row, from left, Mission Specialists Carlos Noriega and Joe Tanner.

menu. Specialty pizzas will be added to the menu in coming months.

"Hopefully we'll evolve to delivering salads, boxed lunches and other items," said Novominsky. "Customer feedback and demand will guide our future."

Orders may be placed beginning at 9:30 a.m. daily. Turnaround time is 30 to

45 minutes. Pizzas are delivered from 11 a.m. to 2 p.m. Prices range from \$8 to \$13 for 12-inch and 16-inch pizzas. Those who pick up their orders at the Bldg. 3 cafeteria will get \$1 off each pizza.

Employees may dial **41PIE** (x41743) to order. ■

COUPON



Out of this World
Pizza

CALL: Ext. 41PIE (41743)

Orders taken: 9:30-1:30; We deliver onsite: 11:00 to 2:00!

Oven Fresh! Straight to your Door!

Onsite Delivery or Carryout

Expires November 19, 1999

NASA achieves ISO 9001 registration at all sites

As of September 17, all NASA centers, NASA Headquarters, the Jet Propulsion Laboratory and all of NASA's government operated facilities have achieved ISO 9001 registration or been recommended for registration.

With this accomplishment, NASA became the world's first federal or state

agency with multiple sites to have all its sites under ISO 9001 registration. NASA Headquarters is among the first corporate headquarters offices in the world to achieve its ISO 9001 registration. Administrator Daniel S. Goldin challenged NASA in November 1996 to have all the agency's facilities certified by September 1999.

"We are leaders in the world of science and technology. We must also be leaders in the world of quality. I am requiring that the agency be third-party certified in our key processes, by an internationally recognized registrar, to ISO 9001. This commitment applies to all centers and headquarters," said Goldin. ■

TICKET WINDOW

Exchange Store hours

Monday-Friday
Bldg. 3 7 a.m.-4 p.m.
Bldg. 11 9 a.m.-3 p.m.

All tickets are non-refundable.
Metro tokens and value cards are available.
Franklin Planners now available.
For more information, please call x35350.

Don't forget Boss's Day
– October 15 –

The following discount tickets are available at the Exchange Stores

General Cinema Theaters	\$5.50
Sony Loew's Theaters	\$5.00
AMC Theaters	\$4.75
Fiesta Texas	adult . . . \$18.25 . . . (child under 48") . . . \$15.50
Astroworld one-day admission	\$21.00
Water World	\$10.75
Moody Gardens (2 of 6 events) (does not include Aquarium Pyramid)	\$10.75
Moody Gardens (Aquarium only)	\$9.25
Sea World	adult . . . \$27.25 . . . child (age 3-11) . . . \$18.25
Schlitterbahn Water Park	adult . . . \$20.75 . . . child (age 3-11) . . . \$17.50
Space Center Houston	adult . . . \$10.25 . . . child (age 4-11) . . . \$6.50
(JSC civil service employees free.)	
Space Center Houston annual pass	\$18.75
October 16 - 17	
Wings over Houston Air Show	adult . . . \$11 . . . child (age 6-11) . . . \$4.50
October 2 - November 14	
Texas Renaissance Festival	adult . . . \$15 . . . child . . . \$6.50

Effective October 1, the JSC Exchange will accept personal checks with valid Texas driver's license. We will no longer require a NASA badge. There will be a \$25 charge on all returned checks.