



CITY OF PALMDALE
INCORPORATED AUGUST 24, 1962

1
00:00:07,259 --> 00:00:11,040
This Week at NASA...

2
00:00:11,040 --> 00:00:16,630
The next hardware package to fly to the International Space Station was unveiled to reporters at

3
00:00:16,630 --> 00:00:22,910
the Kennedy Space Center. The permanent multi-purpose module, or PMM, will carry spare parts and

4
00:00:22,910 --> 00:00:29,500
supplies to the ISS. Once delivered by space shuttle Discovery and installed on the station,

5
00:00:29,500 --> 00:00:35,550
the PMM will be used for microgravity experiments in fluid physics, materials science, biology

6
00:00:35,550 --> 00:00:38,920
and biotechnology.

7
00:00:38,920 --> 00:00:44,239
Commander Steve Lindsey and his five STS-133 crewmates will also have some interesting

8
00:00:44,239 --> 00:00:46,319
company aboard Discovery.

9
00:00:46,319 --> 00:00:52,010
Robonaut 2, or R2, a dexterous, human-like robot capable of handling a wide range of

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00:00:52,010 --> 00:00:58,109
EVA tools and equipment, will also be shuttled to the complex. Discovery is targeted to launch

11
00:00:58,109 --> 00:01:00,610
on November first.

12
00:01:00,610 --> 00:01:09,870
A chunk of ice about 97 square miles in size
has broken off the Petermann Glacier along

13
00:01:09,870 --> 00:01:15,400
the northwestern coast of Greenland. The glacier
lost about one-quarter of its 40-mile long

14
00:01:15,400 --> 00:01:22,040
floating ice shelf, the largest in the Northern
Hemisphere. It's not unusual for large icebergs

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00:01:22,040 --> 00:01:27,440
to calve off the Petermann Glacier, but this
new one is the largest to form in the Arctic

16
00:01:27,440 --> 00:01:34,170
in 38 years. This before-and-after visualization
comes from imagery captured by instruments

17
00:01:34,170 --> 00:01:41,160
on NASA's Aqua and Terra satellites.

18
00:01:41,160 --> 00:01:46,770
Segway inventor and TV host, Dean Kamen, was
at the Langley Research Center to interview

19
00:01:46,770 --> 00:01:53,280
engineer and inventor Mark Moore for his Discovery
network series "Dean of Invention." Moore

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00:01:53,280 --> 00:01:58,920
is the co-creator of the "Puffin" aircraft,
a vehicle that flies one person with two electric

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00:01:58,920 --> 00:02:05,020
motors. Kamen and Moore strolled the Langley
campus, displayed a one-third scale model

22
00:02:05,020 --> 00:02:11,290
of "Puffin," and spent time with its simulator.
Scientists say that, at a height of 12 feet

23
00:02:11,290 --> 00:02:17,939
with a wingspan of 13.5 feet, the "Puffin"
and its rechargeable lithium phosphate batteries

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00:02:17,939 --> 00:02:23,379
has the potential to revolutionize commuter
travel by providing an alternative to driving

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00:02:23,379 --> 00:02:29,560
on overcrowded streets.

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00:02:29,560 --> 00:02:33,579
Moore will appear in the eighth and final
episode of Kamen's show.

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00:02:33,579 --> 00:02:39,840
Kamen, who is also the founder of FIRST Robotics,
a national competition for high school students,

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00:02:39,840 --> 00:02:51,719
holds 440 U.S. and foreign patents and in
2000 was awarded the National Medal of Technology.

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00:02:51,719 --> 00:02:56,040
"This flag is for the Citizens of Palmdale
presented to the Mayor and to the citizens."

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00:02:56,040 --> 00:03:03,120
A municipal flag flown on space shuttle Atlantis
during STS-132 was presented to the City of

31
00:03:03,120 --> 00:03:07,650
Palmdale, Calif., during its weekly Thursday
Nights on the Square activity.

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00:03:07,650 --> 00:03:08,800

"The city of Palmdale flag was flown aboard the space shuttle Atlantis to the International

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00:03:08,800 --> 00:03:22,590

Space Station on STS 132. Travelling more than 4.8 million miles and 186 orbits of the

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00:03:22,590 --> 00:03:23,650

Earth."

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00:03:23,650 --> 00:03:29,630

"It's a great partnership that we have with the city of Palmdale. I see it to continue,

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00:03:29,630 --> 00:03:34,739

it will continue to prosper over the years, and it's just a great, great time to be

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00:03:34,739 --> 00:03:39,001

here... and I just see wonderful things happening in the future."

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00:03:39,001 --> 00:03:43,749

The flag, and a plaque depicting highlights of the STS-132 mission to the International

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00:03:43,749 --> 00:03:46,879

Space Station will be on permanent public display.

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00:03:46,879 --> 00:03:55,989

The Janice C. Meyer Award for exceptional merit is this float sponsored by the NASA

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00:03:55,989 --> 00:03:57,359

Glenn Research Center."

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00:03:57,359 --> 00:04:02,790

Atop the Glenn Research Center float depicting

space shuttle Discovery, astronaut Leland

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00:04:02,790 --> 00:04:08,749

Melvin waved to the crowds at the 2010 Pro Football Hall of Fame Festival Timken Grand

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00:04:08,749 --> 00:04:10,620

Parade in Canton, Ohio.

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00:04:10,620 --> 00:04:18,420

Before coming to NASA, Melvin was selected out of the University of Richmond by the Detroit

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00:04:18,420 --> 00:04:25,070

Lions in the National Football League's 1986 college draft. He later participated

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00:04:25,070 --> 00:04:31,070

in the Toronto Argonauts and Dallas Cowboys football training camps. A veteran of two

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00:04:31,070 --> 00:04:35,660

space shuttle flights, Melvin is traveling around the country in support of NASA's

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00:04:35,660 --> 00:04:41,720

Summer of Innovation program to excite young people about careers in science, technology,

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00:04:41,720 --> 00:04:44,710

engineering and math.

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00:04:44,710 --> 00:04:46,700

And that's This Week @ NASA.