



TW@N

THIS WEEK @ NASA

1
00:00:00,333 --> 00:00:03,236
The Webb Space Telescope reaches
its new home ...

2
00:00:03,236 --> 00:00:05,205
Remembering our fallen heroes ...

3
00:00:05,205 --> 00:00:07,407
And testing a VIPER in the sand ...

4
00:00:07,674 --> 00:00:11,277
a few of the stories to tell you about – This Week at NASA!

5
00:00:11,277 --> 00:00:17,984
On Jan. 24, our James Webb Space Telescope team
commanded the spacecraft to make a planned

6
00:00:17,984 --> 00:00:22,188
mid-course correction burn that placed it
into its final orbit around the

7
00:00:22,188 --> 00:00:27,127
second Sun-Earth Lagrange point,
or L2 – Webb's final science destination.

8
00:00:27,627 --> 00:00:30,230
From this vantage point,
the telescope will have a wide

9
00:00:30,230 --> 00:00:33,733
view of the cosmos
and be able to perform optimal science.

10
00:00:34,334 --> 00:00:36,936
It will be several more months
before the observatory's

11
00:00:36,936 --> 00:00:40,240
optics and systems are ready

to begin science operations.

12
00:00:40,774 --> 00:00:45,278
Webb, the world's largest, most powerful,
and most complex space science telescope

13
00:00:45,278 --> 00:00:50,250
ever built, will reveal new and unexpected
discoveries and help humanity

14
00:00:50,250 --> 00:00:55,321
understand the origins of the universe
and our place in it.

15
00:00:55,321 --> 00:01:02,495
On Jan. 27, NASA Administrator Bill Nelson
and other agency officials attended

16
00:01:02,495 --> 00:01:06,833
the Day of Remembrance observance at
Arlington National Cemetery in Virginia.

17
00:01:07,467 --> 00:01:11,671
The annual event is one of several
around the agency in tribute to the fallen

18
00:01:11,671 --> 00:01:15,508
astronauts of Apollo 1, space shuttles Challenger and Columbia,

19
00:01:15,708 --> 00:01:18,912
and other members of the NASA family
who lost their lives

20
00:01:18,912 --> 00:01:22,715
in support of the agency's
mission of exploration and discovery.

21
00:01:23,383 --> 00:01:27,153
The date also marked 55 years
since the Apollo 1 tragedy

22
00:01:27,353 --> 00:01:32,292
that claimed the lives of astronauts
Gus Grissom, Ed White, and Roger Chaffee.

23
00:01:32,926 --> 00:01:34,427
The three of us

24
00:01:34,427 --> 00:01:37,097
want to share with you

25
00:01:37,964 --> 00:01:42,402
some of the experiences
that we've had over the course

26
00:01:42,402 --> 00:01:45,905
of remembering back
about these three crews.

27
00:01:46,539 --> 00:01:50,710
The observance at Arlington was followed
by a panel discussion at our Mary W.

28
00:01:50,710 --> 00:01:53,880
Jackson NASA Headquarters
Building in Washington, during

29
00:01:53,880 --> 00:01:59,052
which Nelson, Deputy Administrator Pam
Melroy, Associate Administrator Bob Cabana

30
00:01:59,052 --> 00:02:02,889
and others reflected on
how these three accidents have impacted

31
00:02:02,889 --> 00:02:06,059
the history of American space flight
and how NASA

32

00:02:06,059 --> 00:02:08,294
approaches safety.

33

00:02:09,429 --> 00:02:10,730
We recently conducted

34

00:02:10,730 --> 00:02:13,766
mobility
testing with a prototype of our Volatiles

35

00:02:13,766 --> 00:02:18,004
Investigating Polar Exploration
Rover, or VIPER lunar robot

36

00:02:18,238 --> 00:02:22,442
at our Glenn Research Center's
Simulated Lunar Operations Laboratory.

37

00:02:23,009 --> 00:02:27,280
The testing will help ensure
the rover is ready for its 2023 mission

38

00:02:27,280 --> 00:02:31,484
to the Moon's South Pole to search for ice
and other resources there.

39

00:02:32,018 --> 00:02:35,288
VIPER is one of several missions
that will be delivered to the Moon

40

00:02:35,455 --> 00:02:40,693
as part of our Commercial Lunar Payload
Services, or CLPS, initiative to help NASA

41

00:02:40,693 --> 00:02:45,098
explore the Moon and prepare for future
human missions to the lunar surface.

42

00:02:46,733 --> 00:02:50,103
The newest edition of NASA's Spinoff

publication is available.

43

00:02:50,436 --> 00:02:52,939

The publication,
which is part of our Technology

44

00:02:52,939 --> 00:02:56,075

Transfer program, highlights
NASA technologies

45

00:02:56,075 --> 00:02:59,679

that benefit life on Earth
in the form of commercial products.

46

00:03:00,213 --> 00:03:05,251

Spinoff 2022 features more than 45
companies using NASA technology

47

00:03:05,418 --> 00:03:09,889

to advance manufacturing techniques,
detoxify polluted soil,

48

00:03:10,690 --> 00:03:14,327

improve weather forecasting,
and even clean the air

49

00:03:14,327 --> 00:03:17,730

to slow the spread of viruses,
including coronavirus.

50

00:03:18,331 --> 00:03:21,334

Print and digital versions
of the latest issue of Spinoff

51

00:03:21,534 --> 00:03:23,770

are available at spinoff.nasa.gov.

52

00:03:24,704 --> 00:03:27,440

That's what's up this week
@NASA ... For more on these

