



1
00:00:13,830 --> 00:00:10,390
this week at nasa

2
00:00:14,910 --> 00:00:13,840
as one small step for man

3
00:00:16,550 --> 00:00:14,920
one

4
00:00:18,950 --> 00:00:16,560
giant

5
00:00:21,349 --> 00:00:18,960
the 40th anniversary of the first moon

6
00:00:24,070 --> 00:00:21,359
landing spurred a multi-day celebration

7
00:00:27,509 --> 00:00:24,080
of the apollo program and the apollo 11

8
00:00:29,269 --> 00:00:27,519
crew neil armstrong buzz aldrin and

9
00:00:32,150 --> 00:00:29,279
michael collins

10
00:00:33,910 --> 00:00:32,160
on capitol hill armstrong aldrin and

11
00:00:36,310 --> 00:00:33,920
collins and mercury and shuttle

12
00:00:38,310 --> 00:00:36,320
astronaut john glenn were honored with

13
00:00:40,869 --> 00:00:38,320

the distinguished congressional gold

14

00:00:42,229 --> 00:00:40,879

medal the highest civilian award given

15

00:00:44,310 --> 00:00:42,239

by congress

16

00:00:46,549 --> 00:00:44,320

mercury 7

17

00:00:47,430 --> 00:00:46,559

did an outstanding job and everyone

18

00:00:49,990 --> 00:00:47,440

knows

19

00:00:52,310 --> 00:00:50,000

their flights were outstanding

20

00:00:54,470 --> 00:00:52,320

but i would point out something they did

21

00:00:57,110 --> 00:00:54,480

that was equally

22

00:01:00,630 --> 00:00:57,120

in my view even more important they

23

00:01:02,150 --> 00:01:00,640

changed the one-man spacecraft from a

24

00:01:05,350 --> 00:01:02,160

man in a can

25

00:01:07,030 --> 00:01:05,360

to a place where the pilot was an

26

00:01:09,830 --> 00:01:07,040

integral part

27

00:01:12,390 --> 00:01:09,840

of flying the machine for that

28

00:01:15,590 --> 00:01:12,400

john and scott and your colleagues we

29

00:01:18,870 --> 00:01:15,600

thank you now and every subsequent

30

00:01:21,429 --> 00:01:18,880

astronaut is in your debt thank you

31

00:01:23,190 --> 00:01:21,439

paula was a dividing line

32

00:01:25,350 --> 00:01:23,200

putting earth

33

00:01:26,789 --> 00:01:25,360

for better or for worse into a new

34

00:01:29,270 --> 00:01:26,799

category

35

00:01:31,190 --> 00:01:29,280

into the big leagues of planets

36

00:01:34,149 --> 00:01:31,200

to me that is what is the most

37

00:01:35,830 --> 00:01:34,159

significant thing about apollo the

38

00:01:38,630 --> 00:01:35,840

accomplishments

39

00:01:41,670 --> 00:01:38,640

the major accomplishment

40

00:01:43,830 --> 00:01:41,680

was not the flight of apollo 11 but the

41

00:01:46,149 --> 00:01:43,840

11 apollo flights

42

00:01:47,990 --> 00:01:46,159

the apollo 11 crew shared details of

43

00:01:50,230 --> 00:01:48,000

their historic mission when they

44

00:01:52,950 --> 00:01:50,240

participated in the john glenn lecture

45

00:01:55,270 --> 00:01:52,960

series at the smithsonian's national air

46

00:01:57,350 --> 00:01:55,280

and space museum

47

00:02:00,469 --> 00:01:57,360

nasa's headquarters hosted a panel

48

00:02:01,590 --> 00:02:00,479

discussion entitled apollo history and

49

00:02:04,389 --> 00:02:01,600

legacy

50

00:02:06,310 --> 00:02:04,399

led by chief historian stephen dick the

51
00:02:09,029 --> 00:02:06,320
round table explored the program's

52
00:02:11,430 --> 00:02:09,039
accomplishments and its impact on the

53
00:02:15,350 --> 00:02:11,440
design and operation of nasa's next

54
00:02:19,910 --> 00:02:17,670
and we're getting a picture on the tv

55
00:02:22,390 --> 00:02:19,920
washington dc's museum hosted the

56
00:02:24,630 --> 00:02:22,400
release of digitally enhanced video from

57
00:02:25,830 --> 00:02:24,640
the live broadcast of the apollo 11

58
00:02:28,470 --> 00:02:25,840
moonwalk

59
00:02:30,470 --> 00:02:28,480
the release features 15 key moments from

60
00:02:33,270 --> 00:02:30,480
neil armstrong's and buzz aldrin's

61
00:02:35,750 --> 00:02:33,280
historic walk on the lunar surface using

62
00:02:38,390 --> 00:02:35,760
what's believed to be the best available

63
00:02:40,390 --> 00:02:38,400

broadcast format copies of this historic

64

00:02:42,710 --> 00:02:40,400

event some of the footage had been

65

00:02:44,710 --> 00:02:42,720

locked away for nearly 40 years

66

00:02:46,630 --> 00:02:44,720

everything had to go perfect for a live

67

00:02:49,030 --> 00:02:46,640

transmission from the moon to come down

68

00:02:51,750 --> 00:02:49,040

be converted be fed all the way to the

69

00:02:53,350 --> 00:02:51,760

u.s into houston and sent back out

70

00:02:55,110 --> 00:02:53,360

anyone could have pulled the plug by

71

00:02:57,030 --> 00:02:55,120

mistake and we wouldn't have seen it the

72

00:02:59,589 --> 00:02:57,040

release is part of a comprehensive

73

00:03:02,229 --> 00:02:59,599

apollo 11 moonwalk video restoration

74

00:03:04,229 --> 00:03:02,239

project expected to be completed by this

75

00:03:07,190 --> 00:03:04,239

fall

76

00:03:09,990 --> 00:03:07,200

at the kennedy center salute to apollo

77

00:03:12,470 --> 00:03:10,000

the kennedy legacy included a stellar

78

00:03:15,430 --> 00:03:12,480

lineup of performers including opera

79

00:03:19,110 --> 00:03:15,440

star denise graves and singers chukka

80

00:03:21,830 --> 00:03:19,120

khan and jamiah nash

81

00:03:25,110 --> 00:03:21,840

it is good to be here in the kennedy

82

00:03:27,509 --> 00:03:25,120

center buzz aldrin was joined by sts-125

83

00:03:30,309 --> 00:03:27,519

commander scott altman to introduce

84

00:03:32,390 --> 00:03:30,319

portions of hosts the planets performed

85

00:03:35,030 --> 00:03:32,400

by the national symphony orchestra

86

00:03:37,270 --> 00:03:35,040

under the baton of emile de cou and

87

00:03:39,350 --> 00:03:37,280

enhanced with spectacular images

88

00:03:41,430 --> 00:03:39,360

captured by nasa spacecraft and

89

00:03:43,670 --> 00:03:41,440

telescopes

90

00:03:46,710 --> 00:03:43,680

guest appearances were made by lost in

91

00:03:50,229 --> 00:03:46,720

space astronaut june lockhart and star

92

00:03:53,190 --> 00:03:50,239

trek's nichelle nichols via videotape

93

00:03:56,149 --> 00:03:53,200

to conclude apollo flight director gene

94

00:03:58,710 --> 00:03:56,159

kranz conducted the nso and the u.s army

95

00:04:01,990 --> 00:03:58,720

chorus in a favorite piece stars and

96

00:04:06,309 --> 00:04:04,070

it was the kind of thing where you say

97

00:04:08,630 --> 00:04:06,319

how come i've been so lucky all my life

98

00:04:11,910 --> 00:04:08,640

and this was just one of the instances

99

00:04:14,789 --> 00:04:11,920

so many of the astronauts told me that

100

00:04:16,229 --> 00:04:14,799

watching lost in space when they were

101
00:04:17,990 --> 00:04:16,239
little made them know what they wanted

102
00:04:19,670 --> 00:04:18,000
to do when they grew up

103
00:04:20,870 --> 00:04:19,680
and i thought that was just such a

104
00:04:22,870 --> 00:04:20,880
compliment

105
00:04:25,030 --> 00:04:22,880
you know i did lassie for six years and

106
00:04:28,790 --> 00:04:25,040
nobody ever said to me oh when i grow up

107
00:04:30,629 --> 00:04:28,800
i want to be a farmer

108
00:04:32,950 --> 00:04:30,639
ladies and gentlemen

109
00:04:35,909 --> 00:04:32,960
the following night air in space hosted

110
00:04:39,189 --> 00:04:35,919
more than 2 000 guests at the apollo

111
00:04:41,590 --> 00:04:39,199
40th anniversary celebratory reception

112
00:04:44,230 --> 00:04:41,600
emceed by hayden planetarium director

113
00:04:47,110 --> 00:04:44,240

neil degrasse tyson welcome and included

114

00:04:49,590 --> 00:04:47,120

remarks by neil armstrong

115

00:04:51,590 --> 00:04:49,600

administrator charles bolden and former

116

00:04:53,749 --> 00:04:51,600

maryland lieutenant governor kathleen

117

00:04:56,230 --> 00:04:53,759

kennedy townsend who accepted the

118

00:04:58,710 --> 00:04:56,240

ambassador of exploration award on

119

00:05:01,430 --> 00:04:58,720

behalf of her uncle the late president

120

00:05:03,990 --> 00:05:01,440

john f kennedy on behalf of my family

121

00:05:05,430 --> 00:05:04,000

i'm very very grateful

122

00:05:07,990 --> 00:05:05,440

when they told me i would get a moon

123

00:05:09,110 --> 00:05:08,000

rock i was really excited

124

00:05:10,390 --> 00:05:09,120

and i was going to put it on my

125

00:05:11,909 --> 00:05:10,400

mantelpiece

126

00:05:13,670 --> 00:05:11,919

but i was told i was not allowed to do

127

00:05:16,469 --> 00:05:13,680

that so i thought what would be the

128

00:05:19,189 --> 00:05:16,479

appropriate place for the moon rock to

129

00:05:21,430 --> 00:05:19,199

go in turn kennedy presented the award

130

00:05:24,310 --> 00:05:21,440

to an aerospace engineering student from

131

00:05:30,310 --> 00:05:24,320

rice university where the award and its

132

00:05:34,070 --> 00:05:31,749

the evening was capped with a

133

00:05:36,629 --> 00:05:34,080

performance of flyme to the moon by

134

00:05:44,550 --> 00:05:36,639

grammy award-winning jazz musician diana

135

00:05:48,469 --> 00:05:46,550

project engineers at the marshall space

136

00:05:51,189 --> 00:05:48,479

flight center hoisted the final

137

00:05:54,150 --> 00:05:51,199

component of the ares 1 rocket's upper

138

00:05:55,590 --> 00:05:54,160

stage from the world's largest robotic

139

00:05:58,469 --> 00:05:55,600

welding tool

140

00:06:00,469 --> 00:05:58,479

the liquid hydrogen fuel tank dome was

141

00:06:03,110 --> 00:06:00,479

completed using an innovative metal

142

00:06:05,990 --> 00:06:03,120

joining technique called friction stir

143

00:06:08,550 --> 00:06:06,000

welding it produces high strength welds

144

00:06:10,790 --> 00:06:08,560

that are uniformly bonded together

145

00:06:13,350 --> 00:06:10,800

nasa is using friction stir welding to

146

00:06:15,189 --> 00:06:13,360

manufacture the erie's launch vehicles

147

00:06:17,270 --> 00:06:15,199

it's the first aries one upper stage

148

00:06:19,670 --> 00:06:17,280

hardware that's been completed in this

149

00:06:21,830 --> 00:06:19,680

facility so it's a pretty big milestone

150

00:06:23,830 --> 00:06:21,840

for the program and for the project the

151
00:06:26,469 --> 00:06:23,840
aries 1 is the spacecraft that will

152
00:06:28,309 --> 00:06:26,479
power nasa's return to the moon its

153
00:06:30,230 --> 00:06:28,319
first test flight is scheduled in the

154
00:06:33,350 --> 00:06:30,240
fall

155
00:06:35,670 --> 00:06:33,360
ames research center's moon fest 2009

156
00:06:38,870 --> 00:06:35,680
feeded all things related to the moon

157
00:06:41,510 --> 00:06:38,880
from apollo to I cross and beyond

158
00:06:44,070 --> 00:06:41,520
the day included guest speakers musical

159
00:06:46,710 --> 00:06:44,080
performances and hands-on family

160
00:06:49,270 --> 00:06:46,720
activities and exhibits including model

161
00:06:52,390 --> 00:06:49,280
rocket launches

162
00:06:55,830 --> 00:06:52,400
robotics demonstrations real moon rocks

163
00:06:58,390 --> 00:06:55,840

puzzles and interactive games

164

00:07:00,230 --> 00:06:58,400

and that's this week at nasa