



1
00:00:07,040 --> 00:00:10,470
this week at nasa

2
00:00:13,910 --> 00:00:12,549
this movie is incredible in that it

3
00:00:16,790 --> 00:00:13,920
articulates

4
00:00:17,830 --> 00:00:16,800
so effectively through the medium of

5
00:00:20,310 --> 00:00:17,840
film

6
00:00:22,550 --> 00:00:20,320
to help mark nasa's day of remembrance

7
00:00:24,950 --> 00:00:22,560
administrator charlie bolden hosted a

8
00:00:27,109 --> 00:00:24,960
special screening of the documentary an

9
00:00:28,390 --> 00:00:27,119
article of hope in the headquarters

10
00:00:30,310 --> 00:00:28,400
auditorium

11
00:00:32,709 --> 00:00:30,320
the hour-long film chronicles the

12
00:00:34,790 --> 00:00:32,719
journey of a tiny torah scroll beginning

13
00:00:36,870 --> 00:00:34,800

with its rescue from a german world war

14

00:00:38,549 --> 00:00:36,880

ii concentration camp by a young

15

00:00:41,030 --> 00:00:38,559

holocaust survivor

16

00:00:43,590 --> 00:00:41,040

the torah is taken to israel where years

17

00:00:46,389 --> 00:00:43,600

later that country's first astronaut

18

00:00:48,950 --> 00:00:46,399

colonel ilan ramon arranges to carry it

19

00:00:50,709 --> 00:00:48,960

into space aboard shuttle columbia on

20

00:00:52,790 --> 00:00:50,719

sts-107

21

00:00:54,869 --> 00:00:52,800

ramon and his six crewmates lost their

22

00:00:57,590 --> 00:00:54,879

lives on that ill-fated mission on

23

00:01:00,069 --> 00:00:57,600

february 1st 2003.

24

00:01:02,229 --> 00:01:00,079

the film's producer daniel cohen

25

00:01:04,950 --> 00:01:02,239

discussed the documentary and its

26
00:01:06,789 --> 00:01:04,960
importance i was able to meet rona ramon

27
00:01:08,710 --> 00:01:06,799
elon's wife

28
00:01:11,109 --> 00:01:08,720
and she said to me

29
00:01:12,550 --> 00:01:11,119
during the meeting that of all the

30
00:01:15,670 --> 00:01:12,560
things that

31
00:01:17,350 --> 00:01:15,680
were written about elon ramon this story

32
00:01:18,870 --> 00:01:17,360
would have been the story he would have

33
00:01:21,510 --> 00:01:18,880
wanted told

34
00:01:26,789 --> 00:01:21,520
and it is a powerful story it is a story

35
00:01:30,710 --> 00:01:28,870
administrator charles bolden met with

36
00:01:32,630 --> 00:01:30,720
seventh and eighth graders at richmond

37
00:01:34,710 --> 00:01:32,640
virginia's challenger learning center

38
00:01:36,310 --> 00:01:34,720

for space science education

39

00:01:39,030 --> 00:01:36,320

stressing to the youngsters why

40

00:01:41,510 --> 00:01:39,040

mastering stem courses science

41

00:01:44,069 --> 00:01:41,520

technology engineering and math is

42

00:01:45,749 --> 00:01:44,079

important to their futures there is no

43

00:01:47,590 --> 00:01:45,759

question right now that the united

44

00:01:51,270 --> 00:01:47,600

states is the acknowledged leader in the

45

00:01:53,109 --> 00:01:51,280

world in science and technology however

46

00:01:55,749 --> 00:01:53,119

that leadership is in jeopardy and the

47

00:01:57,510 --> 00:01:55,759

only way we can maintain it is for you

48

00:01:59,270 --> 00:01:57,520

all to do what you're doing today that

49

00:02:01,429 --> 00:01:59,280

message was underscored by other

50

00:02:04,230 --> 00:02:01,439

speakers including u.s senator mark

51
00:02:06,389 --> 00:02:04,240
warner and congressman bobby scott the

52
00:02:08,949 --> 00:02:06,399
students from richmond's albert hill

53
00:02:11,110 --> 00:02:08,959
middle school also participated in a

54
00:02:13,670 --> 00:02:11,120
number of solar and molecular science

55
00:02:14,869 --> 00:02:13,680
experiments and exploration related

56
00:02:17,270 --> 00:02:14,879
activities

57
00:02:21,510 --> 00:02:17,280
including building their own rockets and

58
00:02:26,470 --> 00:02:23,990
president obama has made stem education

59
00:02:28,550 --> 00:02:26,480
a top priority for helping maintain the

60
00:02:30,070 --> 00:02:28,560
nation's competitive edge in the global

61
00:02:32,309 --> 00:02:30,080
marketplace

62
00:02:34,309 --> 00:02:32,319
the challenger center event was held on

63
00:02:36,390 --> 00:02:34,319

the 25th anniversary of the loss of

64

00:02:39,270 --> 00:02:36,400

space shuttle challenger and her crew of

65

00:02:43,750 --> 00:02:41,350

nasa's hubble space telescope has

66

00:02:46,229 --> 00:02:43,760

discovered what astronomers believe is

67

00:02:48,949 --> 00:02:46,239

the most distant object ever seen in the

68

00:02:51,430 --> 00:02:48,959

universe the dim object is a tiny

69

00:02:55,350 --> 00:02:51,440

compact galaxy of blue stars that

70

00:02:58,470 --> 00:02:55,360

existed 13.2 billion years ago roughly

71

00:03:01,030 --> 00:02:58,480

150 million years farther back in time

72

00:03:04,869 --> 00:03:01,040

than the previous record holder the age

73

00:03:07,750 --> 00:03:04,879

of the universe is 13.7 billion year

74

00:03:10,149 --> 00:03:07,760

the tiny galaxy so small that more than

75

00:03:11,990 --> 00:03:10,159

a hundred similarly sized galaxies would

76

00:03:14,869 --> 00:03:12,000

be needed to make up our milky way

77

00:03:18,550 --> 00:03:14,879

galaxy was discovered by hubble's wide

78

00:03:20,309 --> 00:03:18,560

field camera 3 installed in 2009 during

79

00:03:23,830 --> 00:03:20,319

the last space shuttle servicing mission

80

00:03:29,030 --> 00:03:26,229

nasa astronaut ron garrett and his

81

00:03:31,430 --> 00:03:29,040

expedition 2728 crewmates russian

82

00:03:34,390 --> 00:03:31,440

cosmonauts alexander zamokottiev and

83

00:03:35,750 --> 00:03:34,400

andre borisenko talked with media about

84

00:03:37,589 --> 00:03:35,760

their upcoming mission to the

85

00:03:39,509 --> 00:03:37,599

international space station being up

86

00:03:42,390 --> 00:03:39,519

there for almost six months

87

00:03:44,470 --> 00:03:42,400

you know we will have the opportunity to

88

00:03:46,550 --> 00:03:44,480

eventually when we get used to living

89

00:03:48,229 --> 00:03:46,560

there we when we settle into a routine

90

00:03:49,990 --> 00:03:48,239

there to be you know it will become

91

00:03:52,149 --> 00:03:50,000

normal for us you know we will not be

92

00:03:55,750 --> 00:03:52,159

visitors to space we will be residents

93

00:03:58,710 --> 00:03:55,760

of space garin somocotia and borasenko

94

00:04:01,190 --> 00:03:58,720

will join expedition 27 nasa astronaut

95

00:04:03,750 --> 00:04:01,200

katie coleman european space agency

96

00:04:06,470 --> 00:04:03,760

astronaut paolo nespoli and russian

97

00:04:08,229 --> 00:04:06,480

cosmonaut dmitry kondratyev after their

98

00:04:12,229 --> 00:04:08,239

launch to the station from the baikonur

99

00:04:15,429 --> 00:04:12,239

cosmodrome in kazakhstan on march 29th

100

00:04:17,749 --> 00:04:15,439

already at the iss is the htv

101
00:04:19,670 --> 00:04:17,759
the unpiloted japanese cargo ship

102
00:04:21,990 --> 00:04:19,680
completed its five-day journey to the

103
00:04:24,310 --> 00:04:22,000
station from the tanegashima space

104
00:04:26,790 --> 00:04:24,320
center in southern japan with a smooth

105
00:04:29,830 --> 00:04:26,800
grappling by coleman and nespoli using

106
00:04:32,550 --> 00:04:29,840
the station's robotic arm canadarm2

107
00:04:35,110 --> 00:04:32,560
named konotore the japanese word for

108
00:04:39,110 --> 00:04:35,120
white stork the craft carried more than

109
00:04:41,909 --> 00:04:39,120
four tons of food and supplies

110
00:04:44,150 --> 00:04:41,919
contact and captured confirmed following

111
00:04:47,030 --> 00:04:44,160
close behind was a russian cargo ship

112
00:04:49,510 --> 00:04:47,040
progress 41 it docked automatically to

113
00:04:52,469 --> 00:04:49,520

the station's piers ducking compartment

114

00:04:55,909 --> 00:04:52,479

to deliver some three tons of food water

115

00:04:59,830 --> 00:04:55,919

fuel air equipment research samples and

116

00:05:05,189 --> 00:05:02,710

what do optimus prime and nasa have in

117

00:05:07,029 --> 00:05:05,199

common more than you'd think according

118

00:05:10,310 --> 00:05:07,039

to the developers of the agency

119

00:05:12,950 --> 00:05:10,320

sponsored optimus prime video contest

120

00:05:15,670 --> 00:05:12,960

youngsters in grades 3 through 8 created

121

00:05:18,550 --> 00:05:15,680

videos each featuring a favorite agency

122

00:05:20,310 --> 00:05:18,560

technology selected from nasa's 2009

123

00:05:23,270 --> 00:05:20,320

spin-off publication

124

00:05:26,390 --> 00:05:23,280

each video explores how like hasbro's

125

00:05:29,670 --> 00:05:26,400

iconic transformers toys that technology

126

00:05:30,629 --> 00:05:29,680

can alter or transform our lives here on

127

00:05:32,790 --> 00:05:30,639

earth

128

00:05:36,830 --> 00:05:32,800

online voting for your favorite student

129

00:05:39,710 --> 00:05:36,840

video is open through february 6th at

130

00:05:43,510 --> 00:05:39,720

http colon double slash

131

00:05:45,510 --> 00:05:43,520

ipp.nasa.gov and click on optimus prime

132

00:05:52,230 --> 00:05:45,520

the winners will be selected by a nasa

133

00:05:59,189 --> 00:05:56,550

forty years ago on january 31 1971

134

00:06:01,510 --> 00:05:59,199

apollo 14 began with its launch from the

135

00:06:04,469 --> 00:06:01,520

kennedy space center in florida

136

00:06:06,629 --> 00:06:04,479

astronauts alan shepard stuart russo and

137

00:06:08,550 --> 00:06:06,639

edgar mitchell manned nasa's third

138

00:06:09,590 --> 00:06:08,560

mission to land on the moon it looks

139

00:06:11,990 --> 00:06:09,600

like you're

140

00:06:13,670 --> 00:06:12,000

about on the bottom step

141

00:06:15,670 --> 00:06:13,680

and on the surface

142

00:06:18,070 --> 00:06:15,680

that's bad for an old man shepard and

143

00:06:20,629 --> 00:06:18,080

mittell spent nearly 33 hours in the

144

00:06:23,110 --> 00:06:20,639

framoro highlands the same area to have

145

00:06:24,070 --> 00:06:23,120

been explored by the aborted apollo 13

146

00:06:26,550 --> 00:06:24,080

mission

147

00:06:28,550 --> 00:06:26,560

they conducted two lunar evas and

148

00:06:31,270 --> 00:06:28,560

collected more material and scientific

149

00:06:34,150 --> 00:06:31,280

data than apollo 11 and 12.

150

00:06:36,710 --> 00:06:34,160

and famously commander shepard swung the

151
00:06:45,670 --> 00:06:36,720
first golf club in space sending two

152
00:06:50,469 --> 00:06:48,629
meanwhile russo remained in lunar orbit

153
00:06:52,550 --> 00:06:50,479
in the command service module

154
00:06:55,270 --> 00:06:52,560
photographing the moon's surface and

155
00:06:57,589 --> 00:06:55,280
conducting experiments including some

156
00:06:59,909 --> 00:06:57,599
involving hundreds of seeds the former

157
00:07:01,110 --> 00:06:59,919
u.s forest service smoke jumper brought

158
00:07:03,510 --> 00:07:01,120
on the mission

159
00:07:06,230 --> 00:07:03,520
some of the seeds germinated resulting

160
00:07:07,670 --> 00:07:06,240
in the so-called moon trees their

161
00:07:09,830 --> 00:07:07,680
seedlings were planted throughout the

162
00:07:12,870 --> 00:07:09,840
united states often as part of the

163
00:07:14,629 --> 00:07:12,880

nation's bicentennial in 1976

164

00:07:17,510 --> 00:07:14,639

and throughout the world

165

00:07:20,870 --> 00:07:17,520

apollo 14 touched down in the pacific on

166

00:07:23,589 --> 00:07:20,880

february 9 1971.

167

00:07:25,990 --> 00:07:23,599

and that's this week at nasa for more on