



1  
00:00:33,024 --> 00:00:34,424  
We want to find out what's out there.

2  
00:00:34,424 --> 00:00:35,339  
We want to be able to, you know,

3  
00:00:35,339 --> 00:00:37,244  
expand out horizons and I think that

4  
00:00:37,244 --> 00:00:39,108  
that truly is built into the human spirit,

5  
00:00:39,108 --> 00:00:41,251  
we are always wondering "What's next?"

6  
00:00:41,251 --> 00:00:43,060  
"How much farther can we go?"

7  
00:00:43,060 --> 00:00:44,731  
- The Mercury astronauts  
when they get introduced

8  
00:00:44,731 --> 00:00:47,291  
they immediately call  
us as sort of a hero.

9  
00:00:47,291 --> 00:00:50,417  
The press conference  
that NASA had goes crazy

10  
00:00:50,417 --> 00:00:52,456  
and the astronauts become  
instant celebrities.

11  
00:00:52,456 --> 00:00:54,718  
They sorta look like knights  
in armor, in some ways,

12

00:00:54,718 --> 00:00:56,296  
going out there to defend the honor of

13

00:00:56,296 --> 00:00:57,584  
The United States.

14

00:00:57,584 --> 00:01:02,352  
(radioed) 3...2...1...Lift off.

15

00:01:02,352 --> 00:01:03,617  
- Roger, lift off

16

00:01:03,617 --> 00:01:05,281  
and the clock has started.

17

00:01:05,281 --> 00:01:07,778  
I remember feeling a  
moment of exhilaration

18

00:01:07,778 --> 00:01:09,686  
exhilaration because, of course,

19

00:01:09,686 --> 00:01:11,804  
I'd been training for two years

20

00:01:11,804 --> 00:01:13,919  
and in fact I was more than ready

21

00:01:13,919 --> 00:01:15,554  
for the lift off to occur

22

00:01:15,554 --> 00:01:19,181  
and was quite delighted in  
the fact that it did occur.

23

00:01:19,181 --> 00:01:21,181  
It occurred so smoothly.

24

00:01:24,449 --> 00:01:26,629  
- (John) Roger, zero G and I feel fine.

25  
00:01:26,629 --> 00:01:31,129  
Capsule is turning around.  
Oh that view is tremendous.

26  
00:01:33,980 --> 00:01:36,080  
- We choose to go to the moon

27  
00:01:36,080 --> 00:01:38,470  
in this decade and do the other things,

28  
00:01:38,470 --> 00:01:40,396  
not because they are easy,

29  
00:01:40,396 --> 00:01:42,563  
but because they are hard.

30  
00:01:50,627 --> 00:01:53,544  
- It's outward bound. People have a

31  
00:01:54,452 --> 00:01:57,546  
human feeling I think for wanting

32  
00:01:57,546 --> 00:02:00,265  
to go outward bound and it's in us.

33  
00:02:00,265 --> 00:02:02,947  
You know, to go, to see, to touch,

34  
00:02:02,947 --> 00:02:05,608  
to understand what's there.

35  
00:02:05,608 --> 00:02:08,175  
- (mission control)  
Ignition sequence start.

36

00:02:18,961 --> 00:02:21,621  
- We finally come to the day, the moment.

37  
00:02:21,621 --> 00:02:23,621  
The trajectory had been wrong.

38  
00:02:23,621 --> 00:02:27,272  
They had targeted into  
this inhospitable place.

39  
00:02:27,272 --> 00:02:30,139  
Then, they had to fly over this area

40  
00:02:30,139 --> 00:02:32,441  
at a high forward velocity.

41  
00:02:32,441 --> 00:02:35,227  
Then, pitch up to slow down,

42  
00:02:35,227 --> 00:02:37,504  
so it would kill that forward velocity

43  
00:02:37,504 --> 00:02:40,400  
and then start down like a helicopter.

44  
00:02:40,400 --> 00:02:43,944  
Tranquility Base here,  
the eagle has landed.

45  
00:02:43,944 --> 00:02:47,395  
- (Neil) That's one small step for man,

46  
00:02:47,395 --> 00:02:49,645  
one giant leap for mankind.

47  
00:02:52,011 --> 00:02:54,574  
- (Charlie) The landing to  
me was a great celebration

48

00:02:54,574 --> 00:02:59,289

we had won the race, the  
nation was almost euphoric.

49

00:02:59,289 --> 00:03:01,012

- The knowledge that we gain

50

00:03:01,012 --> 00:03:03,065

about the origin and the  
evolution of the moon

51

00:03:03,065 --> 00:03:06,150

is one of these days, gonna  
help us right here on Earth.

52

00:03:06,150 --> 00:03:07,415

Course its only one area,

53

00:03:07,415 --> 00:03:09,300

but I believe it's an important area

54

00:03:09,300 --> 00:03:11,818

and I guess I'm bettin a lot on it.

55

00:03:11,818 --> 00:03:13,911

- NASA has been absolutely critical

56

00:03:13,911 --> 00:03:16,904

to improving the knowledge  
of all human kind.

57

00:03:16,904 --> 00:03:19,283

Twelve humans walked on  
the surface of the moon,

58

00:03:19,283 --> 00:03:21,832

which is a stunning achievement,

59

00:03:21,832 --> 00:03:25,470  
and we are still the only  
country ever to have done that.

60  
00:03:25,470 --> 00:03:26,764  
We're going to go back to the moon

61  
00:03:26,764 --> 00:03:28,383  
and we're gonna take what we learned there

62  
00:03:28,383 --> 00:03:30,016  
and we're gonna go to mars.

63  
00:03:30,016 --> 00:03:32,689  
- (Sandra) To get to Mars,  
it's about a six month journey.

64  
00:03:32,689 --> 00:03:35,858  
And as an operator, I would  
be really really happy

65  
00:03:35,858 --> 00:03:38,077  
if we could test out our operations

66  
00:03:38,077 --> 00:03:39,837  
and our equipment in our backyard.

67  
00:03:39,837 --> 00:03:41,191  
The moon's only three days away.

68  
00:03:41,191 --> 00:03:43,358  
The moon is the next step.

69  
00:03:47,245 --> 00:03:50,169  
- So the Space Station is  
more than a million pounds,

70  
00:03:50,169 --> 00:03:51,737  
it's as big as two football fields.

71

00:03:51,737 --> 00:03:55,111

You are not going to bring  
that up in one single lift.

72

00:03:55,111 --> 00:03:57,803

So, we had to bring up  
the Space Station in parts

73

00:03:57,803 --> 00:03:59,969

and assemble it. The Space Shuttle

74

00:03:59,969 --> 00:04:02,040

was instrumental into bringing up,

75

00:04:02,040 --> 00:04:03,251

at least the American side of that.

76

00:04:03,251 --> 00:04:06,225

It was more than forty missions  
over about thirteen years

77

00:04:06,225 --> 00:04:10,642

to assemble all of those  
parts of the Space Station.

78

00:04:16,066 --> 00:04:17,923

- And so human space flight  
is really interesting

79

00:04:17,923 --> 00:04:22,294

because we do adapt really  
quickly to the environment.

80

00:04:22,294 --> 00:04:25,596

How quickly, it felt  
natural to float around.

81

00:04:25,596 --> 00:04:28,391

How quickly, it felt normal  
to look out the window

82

00:04:28,391 --> 00:04:29,802  
and see the earth go by.

83

00:04:29,802 --> 00:04:32,958  
- Human being are built  
to be able to adapt

84

00:04:32,958 --> 00:04:34,957  
to weightlessness and  
that allows us to go do

85

00:04:34,957 --> 00:04:37,415  
that exploration and so we have improved

86

00:04:37,415 --> 00:04:40,687  
the exercise equipment,  
we improved the diet,

87

00:04:40,687 --> 00:04:44,138  
the vitamins. I mean  
we came back so strong,

88

00:04:44,138 --> 00:04:46,037  
that physically I was  
actually stronger than

89

00:04:46,037 --> 00:04:48,288  
when I left, when I did  
the physical fitness test

90

00:04:48,288 --> 00:04:50,306  
when we got back. It gives me great hope

91

00:04:50,306 --> 00:04:52,268  
that, you know, if we have  
similar type of equipment

92

00:04:52,268 --> 00:04:54,504

on our long duration space vehicles,

93

00:04:54,504 --> 00:04:55,337

we're going to show up on Mars

94

00:04:55,337 --> 00:04:56,996

and be ready to work

the minute we get there.

95

00:05:02,578 --> 00:05:04,502

- (Charlie) Orion, our state

of the art space craft,

96

00:05:04,502 --> 00:05:07,668

is designed to take crews into deep space,

97

00:05:07,668 --> 00:05:09,474

and then once their work is done,

98

00:05:09,474 --> 00:05:11,683

safely bring them back home.

99

00:05:11,683 --> 00:05:13,095

Sometimes folks ask me, you know,

100

00:05:13,095 --> 00:05:16,699

what do you think the next

sixty years has in store?

101

00:05:16,699 --> 00:05:21,027

I don't know all of the

destinations that we will visit,

102

00:05:21,027 --> 00:05:22,696

the mysteries we will solve,

103

00:05:22,696 --> 00:05:27,393

the places that we will  
leave footprints, again.

104

00:05:27,393 --> 00:05:29,201

- And we want to see what's out there,

105

00:05:29,201 --> 00:05:30,378

we want to see how it works,

106

00:05:30,378 --> 00:05:32,211

we want to go explore.

107

00:05:32,211 --> 00:05:34,784

There's always this desire to learn more,