



1
00:00:02,639 --> 00:00:05,990
chris told you he's

2
00:00:06,000 --> 00:00:10,549
he's like me he's pretty old

3
00:00:10,559 --> 00:00:14,310
but there is a difference

4
00:00:23,269 --> 00:00:16,470
this this guy

5
00:00:23,279 --> 00:00:30,230
i'm just oldest

6
00:00:34,389 --> 00:00:31,990
what's going to happen when that little

7
00:00:36,709 --> 00:00:34,399
critter learns to twitter and he talks

8
00:00:38,389 --> 00:00:36,719
to our scientists

9
00:00:39,510 --> 00:00:38,399
and then we get to ask him where have

10
00:00:41,830 --> 00:00:39,520
you been

11
00:00:44,470 --> 00:00:41,840
all this time what'd you see

12
00:00:47,350 --> 00:00:44,480
did he come from the earth

13
00:00:51,350 --> 00:00:47,360

did he was he part of the primordial

14

00:00:55,510 --> 00:00:51,360

explosion that set us up

15

00:00:58,549 --> 00:00:55,520

was he a passerby that got caught

16

00:01:01,910 --> 00:00:58,559

or was he just a late comer that pounded

17

00:01:05,429 --> 00:01:01,920

into the surface and got buried

18

00:01:11,030 --> 00:01:05,439

waiting for someone to give him a ride

19

00:01:16,630 --> 00:01:14,149

tk we owe you a great debt of gratitude

20

00:01:18,310 --> 00:01:16,640

again please accept my congratulations

21

00:01:20,550 --> 00:01:18,320

on being recognized for your significant

22

00:01:23,670 --> 00:01:20,560

contributions to the exploration of

23

00:01:27,990 --> 00:01:25,030

tk

24

00:01:29,990 --> 00:01:28,000

it's my pleasure to invite you up uh as

25

00:01:31,270 --> 00:01:30,000

a ambassador of exploration a true

26

00:01:49,030 --> 00:01:31,280

american hero

27

00:01:53,109 --> 00:01:50,950

astronaut ken mattingly will handle the

28

00:01:55,190 --> 00:01:53,119

orbital science and photography for the

29

00:01:57,270 --> 00:01:55,200

apollo 16 flight

30

00:01:59,590 --> 00:01:57,280

in a water tank at the mann space center

31

00:02:01,990 --> 00:01:59,600

houston he practiced going outside the

32

00:02:04,149 --> 00:02:02,000

spacecraft during the trip earthward

33

00:02:06,230 --> 00:02:04,159

he'll do just that to retrieve special

34

00:02:08,869 --> 00:02:06,240

mapping cameras housed behind the

35

00:02:11,350 --> 00:02:08,879

command module we asked him to explain

36

00:02:13,589 --> 00:02:11,360

how he'll do it

37

00:02:14,710 --> 00:02:13,599

we open the hatch i'll come outside and

38

00:02:17,990 --> 00:02:14,720

put up the

39

00:02:20,790 --> 00:02:18,000

television poll we'll be taking a

40

00:02:23,430 --> 00:02:20,800

command module television picture and a

41

00:02:25,430 --> 00:02:23,440

16 millimeter photographic record of the

42

00:02:28,070 --> 00:02:25,440

eva transfer

43

00:02:30,150 --> 00:02:28,080

after we get the camera set up and we

44

00:02:32,790 --> 00:02:30,160

start out charlie will come up to the

45

00:02:34,869 --> 00:02:32,800

hatch and he he will be tending

46

00:03:13,990 --> 00:02:34,879

the umbilical that provides me with my

47

00:03:18,710 --> 00:03:15,830

the subsequent maneuvers all went

48

00:03:19,830 --> 00:03:18,720

without a hitch then the next day april

49

00:03:22,309 --> 00:03:19,840

20th

50

00:03:24,869 --> 00:03:22,319

young and duke undocked the lunar module

51
00:03:40,630 --> 00:03:24,879
preparatory to landing leaving mattingly

52
00:03:44,789 --> 00:03:42,470
april 25

53
00:03:46,910 --> 00:03:44,799
ken mattingly left the confines of the

54
00:03:50,470 --> 00:03:46,920
command module cabin

55
00:03:52,949 --> 00:03:50,480
173 000 miles from earth

56
00:03:55,190 --> 00:03:52,959
as he orbited the moon he had not only

57
00:03:57,270 --> 00:03:55,200
made visual observations

58
00:03:58,869 --> 00:03:57,280
he had been operating a complex series

59
00:04:01,270 --> 00:03:58,879
of experiments

60
00:04:02,949 --> 00:04:01,280
many of these had returned instant data

61
00:04:04,550 --> 00:04:02,959
to houston

62
00:04:06,390 --> 00:04:04,560
two had taken thousands of

63
00:04:07,910 --> 00:04:06,400

high-resolution pictures of the lunar

64

00:04:08,869 --> 00:04:07,920

terrain

65

00:04:11,030 --> 00:04:08,879

now

66

00:04:13,030 --> 00:04:11,040

mattingly retrieved the film canisters

67

00:04:15,429 --> 00:04:13,040

and made his way back to the cabin with

68

00:04:16,550 --> 00:04:15,439

them as charlie duke stood in the hatch

69

00:04:19,030 --> 00:04:16,560

to help him

70

00:04:22,390 --> 00:04:19,040

the first step which will occur

71

00:04:24,710 --> 00:04:22,400

will be the attaching of the biomedical

72

00:04:26,469 --> 00:04:24,720

sensors to their bodies

73

00:04:29,830 --> 00:04:26,479

ken matalin going in the room first

74

00:04:32,230 --> 00:04:29,840

followed by henry hartsfield

75

00:04:34,310 --> 00:04:32,240

they're being helped into their

76
00:04:44,629 --> 00:04:34,320
boots at the moment that's

77
00:04:50,870 --> 00:04:47,590
this is shuttle launch control t-minus 2

78
00:04:53,110 --> 00:04:50,880
hours 30 minutes 13 seconds and counting

79
00:04:55,430 --> 00:04:53,120
and the astronaut crew ken mattingly and

80
00:04:57,510 --> 00:04:55,440
henry hartsfield have emerged from the

81
00:04:59,590 --> 00:04:57,520
suit up room and are moving into the

82
00:05:01,590 --> 00:04:59,600
elevator in the o and c building to

83
00:05:03,909 --> 00:05:01,600
begin their trip down to the ground

84
00:05:05,670 --> 00:05:03,919
floor purity and george abbey the chief

85
00:05:07,749 --> 00:05:05,680
of the office

86
00:05:10,310 --> 00:05:07,759
ken mattingly and henry hartsfield

87
00:05:13,909 --> 00:05:10,320
getting into the astro van

88
00:05:15,830 --> 00:05:13,919

for the trip out to the launch pad

89

00:05:18,790 --> 00:05:15,840

john young accompanying them

90

00:05:21,670 --> 00:05:18,800

uh john young the commander of the first

91

00:05:25,189 --> 00:05:21,680

flight of the space shuttle

92

00:05:28,870 --> 00:05:25,199

we have main engine ignition four three

93

00:05:31,749 --> 00:05:28,880

two one and we have solid motor ignition

94

00:05:33,830 --> 00:05:31,759

and liftoff liftoff of america's space

95

00:05:41,990 --> 00:05:33,840

shuttle on a storage mission and we have

96

00:05:47,590 --> 00:05:43,749

houston now controlling mission control

97

00:05:47,600 --> 00:05:53,430

20 seconds looks good

98

00:05:53,440 --> 00:05:58,070

26 seconds rolling over completed

99

00:06:02,230 --> 00:06:00,070

30 seconds one nautical mile in altitude

100

00:06:03,990 --> 00:06:02,240

throttling engines down to 65 percent of

101
00:06:06,390 --> 00:06:04,000
the oz program

102
00:06:09,350 --> 00:06:06,400
36 seconds blackboard status looks good

103
00:06:54,309 --> 00:06:11,670
42 seconds columbia now three nautical

104
00:06:58,070 --> 00:06:56,230
george abbey the flight director from

105
00:07:01,350 --> 00:06:58,080
houston opening the door

106
00:07:02,710 --> 00:07:01,360
uh tk mattingly coming out and followed

107
00:07:04,230 --> 00:07:02,720
by

108
00:07:05,510 --> 00:07:04,240
ten seconds

109
00:07:09,670 --> 00:07:05,520
nine

110
00:07:10,629 --> 00:07:09,680
eight seven we have main engine start

111
00:07:11,670 --> 00:07:10,639
four

112
00:07:12,790 --> 00:07:11,680
three

113
00:07:13,830 --> 00:07:12,800

two

114

00:07:16,469 --> 00:07:13,840

one

115

00:07:18,550 --> 00:07:16,479

ignition and liftoff liftoff of

116

00:07:20,390 --> 00:07:18,560

discovery the first flight totally

117

00:07:21,589 --> 00:07:20,400

dedicated to department of defense

118

00:07:25,270 --> 00:07:21,599

mission

119

00:07:29,110 --> 00:07:26,870

tower clear

120

00:07:32,469 --> 00:07:29,120

the vehicle now turning around to the

121

00:07:38,550 --> 00:07:32,479

proper azimuth to go down track on this

122

00:07:45,670 --> 00:07:41,350

being welcomed by uh director of flight

123

00:07:53,110 --> 00:07:48,710

jim buckley uh lauren schreiber

124

00:07:58,150 --> 00:07:55,749

or gary payton and the

125

00:07:59,830 --> 00:07:58,160

commander tk mattingly this will be

126

00:08:06,070 --> 00:07:59,840

mattingly's