



1
00:00:14,030 --> 00:00:10,759
I think the Apollo 8 mission is one of

2
00:00:17,420 --> 00:00:14,040
the most important missions of the whole

3
00:00:19,250 --> 00:00:17,430
NASA experience it was the first time

4
00:00:23,870 --> 00:00:19,260
that humans left the vicinity of Earth

5
00:00:27,050 --> 00:00:23,880
and traveled to another world Apollo 8

6
00:00:30,109 --> 00:00:27,060
was not originally planned as a moon

7
00:00:33,889 --> 00:00:30,119
mission NASA's plan was to do an earth

8
00:00:36,560 --> 00:00:33,899
orbital mission in September 1968 the

9
00:00:38,840 --> 00:00:36,570
Soviets and zond 5 to pass by the moon

10
00:00:40,430 --> 00:00:38,850
the space race competition at land

11
00:00:43,160 --> 00:00:40,440
humans on the moon the goals set by

12
00:00:46,160 --> 00:00:43,170
President Kennedy in 61 seemed to be

13
00:00:47,990 --> 00:00:46,170

heating up considerably and after the

14

00:00:50,209 --> 00:00:48,000

successful Earth orbit mission of Apollo

15

00:00:53,060 --> 00:00:50,219

7 the time seemed right for a bolder

16

00:00:54,770 --> 00:00:53,070

riskier mission voyage to the moon the

17

00:00:57,619 --> 00:00:54,780

Apollo 8 commander Frank Borman and

18

00:00:59,450 --> 00:00:57,629

command module pilot Jim Lovell had

19

00:01:01,790 --> 00:00:59,460

flown more hours than any other

20

00:01:05,149 --> 00:01:01,800

astronauts indeed they were ready for

21

00:01:08,330 --> 00:01:05,159

Apollo 8 so too was Bill Anders William

22

00:01:10,310 --> 00:01:08,340

Anders making his very first light the

23

00:01:14,179 --> 00:01:10,320

mission departed December 21st and

24

00:01:15,679 --> 00:01:14,189

returned December 28 1968 launched just

25

00:01:17,359 --> 00:01:15,689

before the Christmas holidays the

26
00:01:20,090 --> 00:01:17,369
mission ballast the tension of the space

27
00:01:22,100 --> 00:01:20,100
race with a transcendent feeling that

28
00:01:23,859 --> 00:01:22,110
the accomplishment was truly for all

29
00:01:27,530 --> 00:01:23,869
humanity

30
00:01:29,240 --> 00:01:27,540
John was awful generous and saying how

31
00:01:31,910 --> 00:01:29,250
important Apollo it was but in reality

32
00:01:33,920 --> 00:01:31,920
every flight was important NASA's

33
00:01:35,960 --> 00:01:33,930
program wasn't haphazard it didn't just

34
00:01:37,940 --> 00:01:35,970
it didn't just happen it was planned

35
00:01:40,219 --> 00:01:37,950
every step of the way and it was

36
00:01:42,800 --> 00:01:40,229
remarkable that it worked I think I

37
00:01:44,539 --> 00:01:42,810
honestly believe that God was was

38
00:01:47,389 --> 00:01:44,549

shining on us from there from the very

39

00:01:49,010 --> 00:01:47,399

beginning when we were told that we're

40

00:01:50,210 --> 00:01:49,020

going to go to the moon we're planning

41

00:01:53,450 --> 00:01:50,220

and we're training and we're doing

42

00:01:56,209 --> 00:01:53,460

everything and then it was the day of

43

00:01:57,920 --> 00:01:56,219

the launch the rocket itself is filled

44

00:01:59,899 --> 00:01:57,930

with five and a half billion pounds of

45

00:02:01,490 --> 00:01:59,909

high explosives everyone else is a

46

00:02:05,620 --> 00:02:01,500

comfortable three and a half miles away

47

00:02:07,999 --> 00:02:05,630

I said these people are really serious

48

00:02:10,529 --> 00:02:08,009

we're going to go to the moon this is

49

00:02:20,030 --> 00:02:10,539

Apollo Saturn launch controllable

50

00:02:23,460 --> 00:02:20,040

at this time t-minus 15 14 13 12 11 10 9

51
00:02:30,979 --> 00:02:23,470
we have ignition sequence start the

52
00:02:39,780 --> 00:02:37,589
nobody had written on the Saturn 5 they

53
00:02:42,479 --> 00:02:39,790
know sooner lift this thing off

54
00:02:46,699 --> 00:02:42,489
when I realized that we had missed one

55
00:02:49,979 --> 00:02:46,709
major part of dissimulation the sideways

56
00:02:52,170 --> 00:02:49,989
vibration with those big huge 1.5

57
00:02:54,420 --> 00:02:52,180
million pounds thrust each engines

58
00:02:56,640 --> 00:02:54,430
gimbley around trying to keep this thing

59
00:02:58,649 --> 00:02:56,650
straight the center of gravity is way

60
00:03:02,009 --> 00:02:58,659
down here we were up here like a ladybug

61
00:03:04,020 --> 00:03:02,019
on the end of your automobile antenna so

62
00:03:06,390 --> 00:03:04,030
as it moved down here on inch this thing

63
00:03:10,020 --> 00:03:06,400

moved a foot and I was convinced that

64

00:03:13,680 --> 00:03:10,030

the fins were bouncing up the girders of

65

00:03:15,240 --> 00:03:13,690

the launch Tower also the noise was

66

00:03:18,000 --> 00:03:15,250

deafening there was no way we could

67

00:03:20,460 --> 00:03:18,010

communicate when we cleared the tower

68

00:03:23,129 --> 00:03:20,470

things smoothed out and I thought boy if

69

00:03:25,460 --> 00:03:23,139

we missed that in our training what else

70

00:03:29,520 --> 00:03:25,470

have we missed

71

00:03:31,970 --> 00:03:29,530

suddenly the rocket cut off the primer

72

00:03:34,470 --> 00:03:31,980

cord sheared off the first-stage

73

00:03:36,570 --> 00:03:34,480

instantaneously some retro rockets fired

74

00:03:39,210 --> 00:03:36,580

it felt like I was being catapulted

75

00:03:40,890 --> 00:03:39,220

right through the instrument panel okay

76
00:03:43,650 --> 00:03:40,900
that means so I threw my hand up about

77
00:03:49,110 --> 00:03:43,660
the time my hand got up here the second

78
00:03:52,140 --> 00:03:49,120
stage cut in wack so I looked up and had

79
00:03:54,960 --> 00:03:52,150
my my face my helmet on and here was

80
00:03:57,660 --> 00:03:54,970
this gash across my helmet and I thought

81
00:03:59,640 --> 00:03:57,670
oh gosh you know when the big boys see

82
00:04:03,300 --> 00:03:59,650
this you know it's gonna just you know

83
00:04:04,920 --> 00:04:03,310
justify the rookie position well we made

84
00:04:07,980 --> 00:04:04,930
it into orbit and somewhere along the

85
00:04:10,760 --> 00:04:07,990
line I collected the helmets and I

86
00:04:14,580 --> 00:04:10,770
noticed it the other two guys each had a

87
00:04:16,530 --> 00:04:14,590
slash so my point is there's no rookies

88
00:04:18,420 --> 00:04:16,540

on the first Center fly everybody's a

89

00:04:21,060 --> 00:04:18,430

rookie we went around once and a half

90

00:04:23,570 --> 00:04:21,070

around the Earth and then over what's

91

00:04:36,090 --> 00:04:23,580

over Hawaii wasn't we got the go for tli

92

00:04:38,430 --> 00:04:36,100

translunar injection Mike Collins said

93

00:04:41,730 --> 00:04:38,440

Apollo eight your go for TOI we lifted

94

00:04:43,950 --> 00:04:41,740

s4 be sorry about picked up about 25,000

95

00:04:52,860 --> 00:04:43,960

miles an hour and started toward the

96

00:04:55,140 --> 00:04:52,870

moon just as we were cutting in front of

97

00:04:58,550 --> 00:04:55,150

the moon like like high schoolers trying

98

00:05:01,500 --> 00:04:58,560

to outrace the train in their jalopy and

99

00:05:05,760 --> 00:05:01,510

beating it by a yard we went into the

100

00:05:09,390 --> 00:05:05,770

shadow of the moon and it was dark and I

101
00:05:11,220 --> 00:05:09,400
remember looking back and seeing all

102
00:05:14,850 --> 00:05:11,230
these stars and suddenly there was this

103
00:05:16,830 --> 00:05:14,860
big black hole and I gotta tell you the

104
00:05:20,730 --> 00:05:16,840
hair went up on the back of my neck cuz

105
00:05:26,770 --> 00:05:24,430
but what we came into the sunshine

106
00:05:29,530 --> 00:05:26,780
actually we came out I think we were

107
00:05:30,850 --> 00:05:29,540
best expressed as you know three school

108
00:05:32,440 --> 00:05:30,860
kids looking through a candy store

109
00:05:34,810 --> 00:05:32,450
window our noses were pressed to the

110
00:05:36,850 --> 00:05:34,820
glass and we're all looking at those

111
00:05:38,560 --> 00:05:36,860
ancient old craters on the far side of

112
00:05:40,240 --> 00:05:38,570
the Moon which of course as you all know

113
00:05:42,430 --> 00:05:40,250

we don't see from the earth I think

114

00:05:44,770 --> 00:05:42,440

that's one of the great impressions I've

115

00:06:22,150 --> 00:05:44,780

had in the the first instances of

116

00:06:23,500 --> 00:06:22,160

actually becoming a Jim was busy

117

00:06:26,290 --> 00:06:23,510

photographing along the flight path

118

00:06:29,050 --> 00:06:26,300

through the navigation system and I was

119

00:06:33,730 --> 00:06:29,060

shooting like left and we got a lot of

120

00:06:36,430 --> 00:06:33,740

good pictures of the lunar surface and I

121

00:06:40,720 --> 00:06:36,440

think Frank yelled out look or something

122

00:06:43,780 --> 00:06:40,730

and here was this gorgeous thing coming

123

00:06:46,270 --> 00:06:43,790

up over the lunar horizon the backside

124

00:06:49,510 --> 00:06:46,280

of the moon NASA picked the one I took

125

00:06:51,580 --> 00:06:49,520

as the iconic Earthrise picture but

126
00:06:54,760 --> 00:06:51,590
frankly even though they both claimed

127
00:06:57,480 --> 00:06:54,770
they took it they know who did but I

128
00:07:00,130 --> 00:06:57,490
considered kind of a crew picture

129
00:07:01,540 --> 00:07:00,140
actually I think that was made probably

130
00:07:04,030 --> 00:07:01,550
the most important evidence that we

131
00:07:05,810 --> 00:07:04,040
brought back was it was a photography

132
00:07:12,650 --> 00:07:05,820
and Jim and build it at all

133
00:07:17,850 --> 00:07:16,110
we were told that on Christmas Eve we

134
00:07:20,190 --> 00:07:17,860
would have the largest four audience

135
00:07:22,770 --> 00:07:20,200
that ever listened to a human voice and

136
00:07:45,720 --> 00:07:22,780
the only instructions that we got from

137
00:07:47,210 --> 00:07:45,730
NASA was to do something appropriate the

138
00:07:48,990 --> 00:07:47,220

first 10 verses of Genesis is the

139

00:07:50,820 --> 00:07:49,000

foundation of many of the world's

140

00:07:52,800 --> 00:07:50,830

religions not just a Christian religion

141

00:07:53,910 --> 00:07:52,810

and there are more people in other

142

00:07:55,470 --> 00:07:53,920

religions than the Christian religion

143

00:07:57,210 --> 00:07:55,480

around the world and so this would be

144

00:08:20,520 --> 00:07:57,220

appropriate to that and so that's how it

145

00:08:22,680 --> 00:08:20,530

came to pass I think that that the three

146

00:08:26,760 --> 00:08:22,690

of us were very very fortunate Americans

147

00:08:30,450 --> 00:08:26,770

I can remember as we stepped out on the

148

00:08:34,020 --> 00:08:30,460

carrier with that fresh ocean breeze and

149

00:08:36,900 --> 00:08:34,030

the flag flying there and the sailors

150

00:08:40,310 --> 00:08:36,910

all standing around it was a feeling to

151
00:08:43,920 --> 00:08:40,320
me of overwhelming sense of gratitude

152
00:08:46,200 --> 00:08:43,930
for what we had been part of I didn't

153
00:08:48,840 --> 00:08:46,210
realize exactly what we had accomplished

154
00:08:51,390 --> 00:08:48,850
I knew that we accomplished a successful

155
00:08:54,780 --> 00:08:51,400
first flight to the moon but I didn't

156
00:08:56,760 --> 00:08:54,790
know the significance of it for the

157
00:08:59,010 --> 00:08:56,770
United States and for the world of what

158
00:09:01,920 --> 00:08:59,020
what it had happened it it takes time

159
00:09:04,890 --> 00:09:01,930
for these things to sink in and in a

160
00:09:06,630 --> 00:09:04,900
sense great feelings about the

161
00:09:09,680 --> 00:09:06,640
accomplishment but I frankly felt a

162
00:09:12,660 --> 00:09:09,690
little guilty because all of us had

163
00:09:14,310 --> 00:09:12,670

comrades and colleagues doing things

164

00:09:17,580 --> 00:09:14,320

that I thought were a lot more dangerous

165

00:09:20,760 --> 00:09:17,590

and we were lucky to be part of it as

166

00:09:23,260 --> 00:09:20,770

Frank said and we sort of got all the

167

00:09:25,540 --> 00:09:23,270

adulation and all the success and

168

00:09:26,950 --> 00:09:25,550

the plaudits and there were so many

169

00:09:28,390 --> 00:09:26,960

people that were trying to serve this

170

00:09:30,580 --> 00:09:28,400

country and they're much more difficult

171

00:09:31,530 --> 00:09:30,590

circumstances so I felt very humble and