



1  
00:00:12,070 --> 00:00:08,870  
for all the people

2  
00:00:13,910 --> 00:00:12,080  
back on earth the crew of apollo 8

3  
00:00:14,910 --> 00:00:13,920  
has a message that we would like to send

4  
00:00:17,430 --> 00:00:14,920  
to

5  
00:00:20,550 --> 00:00:17,440  
you in the beginning

6  
00:00:23,990 --> 00:00:20,560  
god created the heaven and the earth

7  
00:00:25,830 --> 00:00:24,000  
and the earth was without form and void

8  
00:00:27,349 --> 00:00:25,840  
and darkness was upon the face of the

9  
00:00:29,589 --> 00:00:27,359  
deep

10  
00:00:31,509 --> 00:00:29,599  
and the spirit of god moved upon the

11  
00:00:33,270 --> 00:00:31,519  
face of the waters

12  
00:00:34,950 --> 00:00:33,280  
and god said

13  
00:00:36,790 --> 00:00:34,960

let there be light

14

00:00:38,950 --> 00:00:36,800

and there was light

15

00:00:40,389 --> 00:00:38,960

and god saw the light

16

00:00:43,830 --> 00:00:40,399

there was good

17

00:00:46,069 --> 00:00:43,840

and god divided the light from the

18

00:00:48,470 --> 00:00:46,079

god called the light day

19

00:00:50,310 --> 00:00:48,480

and the darkness he called night

20

00:00:51,830 --> 00:00:50,320

and the evening and the morning was the

21

00:00:55,510 --> 00:00:51,840

first day

22

00:00:57,029 --> 00:00:55,520

in the beginning the void the darkness

23

00:00:58,869 --> 00:00:57,039

then light

24

00:01:00,229 --> 00:00:58,879

then life

25

00:01:01,830 --> 00:01:00,239

and from life

26

00:01:04,789 --> 00:01:01,840

came man

27

00:01:06,950 --> 00:01:04,799

joining the caravan for the long slow

28

00:01:11,429 --> 00:01:06,960

journey through a world of discovery

29

00:01:16,390 --> 00:01:14,630

his marks his milestones stretch out

30

00:01:18,390 --> 00:01:16,400

through the centuries

31

00:01:20,630 --> 00:01:18,400

his footsteps echo down through the

32

00:01:21,749 --> 00:01:20,640

corridors of time

33

00:01:24,230 --> 00:01:21,759

time

34

00:01:27,429 --> 00:01:24,240

july 1969

35

00:01:30,469 --> 00:01:27,439

in florida the footsteps the caravan

36

00:01:33,590 --> 00:01:30,479

quickened the corridor shortened as man

37

00:01:59,510 --> 00:01:33,600

reached outside his world into another

38

00:02:03,109 --> 00:02:01,990

today in florida they go about their

39

00:02:05,510 --> 00:02:03,119

lives

40

00:02:08,150 --> 00:02:05,520

taking only a sideways glance at the

41

00:02:20,949 --> 00:02:08,160

reminders of that milestone

42

00:02:26,869 --> 00:02:23,750

a planned memory time of 32 minutes past

43

00:02:29,190 --> 00:02:26,879

the hour the start of our launch window

44

00:02:30,070 --> 00:02:29,200

on this the mission to land men on the

45

00:02:31,750 --> 00:02:30,080

moon

46

00:02:33,910 --> 00:02:31,760

the countdown still proceeding very

47

00:02:36,630 --> 00:02:33,920

satisfactorily at this time

48

00:02:39,190 --> 00:02:36,640

time it plays tricks on us

49

00:02:40,390 --> 00:02:39,200

it smudges and blurs the sharp edges of

50

00:02:43,030 --> 00:02:40,400

reality

51  
00:02:45,350 --> 00:02:43,040  
but we turn the trick and summon up our

52  
00:02:46,390 --> 00:02:45,360  
own reality images

53  
00:02:49,670 --> 00:02:46,400  
sounds

54  
00:02:52,150 --> 00:02:50,390  
the remember

55  
00:02:54,070 --> 00:02:52,160  
all look good the next time we go

56  
00:02:55,270 --> 00:02:54,080  
internal will be at the 50 second mark

57  
00:02:57,509 --> 00:02:55,280  
with those batteries and they will

58  
00:03:00,070 --> 00:02:57,519  
remain of course on internal power

59  
00:03:01,830 --> 00:03:00,080  
during the flight the lunar module which

60  
00:03:03,910 --> 00:03:01,840  
has been rather inactive during these

61  
00:03:06,550 --> 00:03:03,920  
latter phases of account also is going

62  
00:03:08,470 --> 00:03:06,560  
on internal power at this time on the

63  
00:03:09,990 --> 00:03:08,480

two batteries in the ascent stage and

64

00:03:12,390 --> 00:03:10,000

the four batteries of the decent stuff

65

00:03:15,030 --> 00:03:12,400

they came one million of them to this

66

00:03:17,270 --> 00:03:15,040

place drawn by the magnet of history in

67

00:03:19,430 --> 00:03:17,280

the making the astronauts the prime crew

68

00:03:21,350 --> 00:03:19,440

were awakened at 4 15 a.m eastern

69

00:03:23,030 --> 00:03:21,360

daylight and proceeded to have a

70

00:03:25,350 --> 00:03:23,040

physical examination in which they were

71

00:03:27,750 --> 00:03:25,360

declared flight ready they sat down for

72

00:03:29,750 --> 00:03:27,760

the normal astronaut fair on launch day

73

00:03:32,789 --> 00:03:29,760

as far as breakfast is concerned orange

74

00:03:34,949 --> 00:03:32,799

juice steaks scrambled eggs toast and

75

00:03:37,030 --> 00:03:34,959

coffee

76

00:03:39,430 --> 00:03:37,040

the target for the apollo 11 astronauts

77

00:03:40,910 --> 00:03:39,440

the moon at liftoff will be at a

78

00:03:44,149 --> 00:03:40,920

distance of

79

00:03:46,470 --> 00:03:44,159

218.96 miles away the astronauts

80

00:03:48,070 --> 00:03:46,480

departed from their crew quarters after

81

00:03:50,470 --> 00:03:48,080

checking out their suits they departed

82

00:03:53,270 --> 00:03:50,480

from the crew quarters at 6 27

83

00:03:55,110 --> 00:03:53,280

a.m and some 27 minutes later eight

84

00:03:57,670 --> 00:03:55,120

miles away from the crew quarters at the

85

00:04:01,990 --> 00:03:57,680

kennedy space center atop the launch pad

86

00:04:03,830 --> 00:04:02,000

at complex 39 6 54 am the commander

87

00:04:06,070 --> 00:04:03,840

astronaut neil armstrong was the first

88

00:04:08,550 --> 00:04:06,080

to board the spacecraft he was uh

89

00:04:10,710 --> 00:04:08,560

followed about five minutes later by

90

00:04:12,309 --> 00:04:10,720

mike collins and finally buzz alvin the

91

00:04:14,470 --> 00:04:12,319

man who's sitting in the middle seat

92

00:04:16,629 --> 00:04:14,480

during liftoff was the third astronaut

93

00:04:18,550 --> 00:04:16,639

to come aboard

94

00:04:20,069 --> 00:04:18,560

the weather is certainly go it's a

95

00:04:22,230 --> 00:04:20,079

beautiful morning for a launch to the

96

00:04:24,790 --> 00:04:22,240

moon we expect a temperature of about 85

97

00:04:29,189 --> 00:04:24,800

degrees in the kennedy space center area

98

00:04:33,909 --> 00:04:29,199

we'll still go on apollo 11 at this time

99

00:04:33,919 --> 00:04:37,749

20 seconds and counting

100

00:04:44,230 --> 00:04:41,350

t-minus 15 seconds guidance is internal

101  
00:04:45,189 --> 00:04:44,240  
12 11 10

102  
00:04:47,590 --> 00:04:45,199  
9

103  
00:04:48,469 --> 00:04:47,600  
ignition sequence starts

104  
00:04:49,350 --> 00:04:48,479  
6

105  
00:04:50,230 --> 00:04:49,360  
5

106  
00:04:51,270 --> 00:04:50,240  
4

107  
00:04:52,230 --> 00:04:51,280  
3

108  
00:04:53,350 --> 00:04:52,240  
2

109  
00:04:57,430 --> 00:04:53,360  
1

110  
00:05:00,790 --> 00:04:57,440  
0 all engine running liftoff we have a

111  
00:05:03,110 --> 00:05:00,800  
liftoff 32 minutes past the hour liftoff

112  
00:05:18,790 --> 00:05:03,120  
on apollo 11.

113  
00:05:18,800 --> 00:05:50,870

so

114

00:05:54,230 --> 00:05:53,110

tranquility base here the eagle has

115

00:05:55,830 --> 00:05:54,240

landed

116

00:06:00,469 --> 00:05:55,840

you got a bunch of guys about to turn

117

00:06:00,479 --> 00:06:04,870

i'm going to step off the limb now

118

00:06:04,880 --> 00:06:17,909

that's

119

00:06:22,550 --> 00:06:19,430

apollo 11

120

00:06:24,710 --> 00:06:22,560

armstrong aldrin and collins they and

121

00:06:26,150 --> 00:06:24,720

millions of others reached out and in

122

00:06:41,670 --> 00:06:26,160

their own way

123

00:06:47,029 --> 00:06:44,390

the images remind us that it happened

124

00:06:48,469 --> 00:06:47,039

but not how it really was in the context

125

00:06:50,550 --> 00:06:48,479

of the times

126

00:06:53,189 --> 00:06:50,560

george lowe one of the architects of the

127

00:06:56,070 --> 00:06:53,199

apollo program does remember if you

128

00:06:57,830 --> 00:06:56,080

think back at the the period of the 60s

129

00:06:59,350 --> 00:06:57,840

they weren't very happy years in general

130

00:07:01,110 --> 00:06:59,360

we had uh

131

00:07:03,749 --> 00:07:01,120

well the ever deepening involvement in

132

00:07:06,070 --> 00:07:03,759

vietnam we had

133

00:07:09,110 --> 00:07:06,080

riots on the campuses riots and watson

134

00:07:11,110 --> 00:07:09,120

elsewhere three terrible assassinations

135

00:07:13,430 --> 00:07:11,120

a great deal of

136

00:07:17,029 --> 00:07:13,440

strife and turmoil in the country

137

00:07:18,710 --> 00:07:17,039

and yet all of this was overcome by

138

00:07:20,309 --> 00:07:18,720

one single event and there was apollo

139

00:07:23,029 --> 00:07:20,319

11.

140

00:07:25,189 --> 00:07:23,039

the decade ended with it it was a

141

00:07:27,830 --> 00:07:25,199

fantastic adventure that

142

00:07:30,550 --> 00:07:27,840

i believe helped overcome all of the bad

143

00:07:31,909 --> 00:07:30,560

things of the decade

144

00:07:33,990 --> 00:07:31,919

represented

145

00:07:35,670 --> 00:07:34,000

americans

146

00:07:37,270 --> 00:07:35,680

to ourselves and particularly to the

147

00:07:39,350 --> 00:07:37,280

rest of the world as

148

00:07:49,909 --> 00:07:39,360

we like to see ourselves and as we hope

149

00:07:49,919 --> 00:08:01,670

do

150

00:08:06,469 --> 00:08:04,150

the equipment of apollo

151  
00:08:08,309 --> 00:08:06,479  
some of it is now in museums artifacts

152  
00:08:10,390 --> 00:08:08,319  
from an age of discovery

153  
00:08:13,270 --> 00:08:10,400  
these strange looking objects they're

154  
00:08:14,309 --> 00:08:13,280  
there as reminders that after all it did

155  
00:08:21,589 --> 00:08:14,319  
happen

156  
00:08:28,309 --> 00:08:24,830  
the facilities of apollo now silent and

157  
00:08:31,430 --> 00:08:28,319  
still in houston mission control the

158  
00:08:34,149 --> 00:08:31,440  
nerve center of manned flight operations

159  
00:08:36,790 --> 00:08:34,159  
the chapters of space history first

160  
00:08:38,550 --> 00:08:36,800  
mercury then gemini then apollo were

161  
00:08:42,389 --> 00:08:38,560  
written by the people who sat at these

162  
00:08:48,310 --> 00:08:44,550  
and these chapters of history came at us

163  
00:08:50,150 --> 00:08:48,320

with breakneck speed christmas eve 1968

164

00:08:56,389 --> 00:08:50,160

in the beginning

165

00:09:01,110 --> 00:08:59,030

a few months later apollo 9 the long

166

00:09:03,670 --> 00:09:01,120

years of preparation were contracting in

167

00:09:10,710 --> 00:09:03,680

today's hours minutes the first manned

168

00:09:14,949 --> 00:09:13,269

apollo 10 the dress rehearsal for the

169

00:09:17,670 --> 00:09:14,959

real thing

170

00:09:19,990 --> 00:09:17,680

in five months three missions and in the

171

00:09:50,710 --> 00:09:20,000

seventh month the payoff

172

00:09:50,720 --> 00:10:08,310

foreign

173

00:10:13,670 --> 00:10:10,230

the images and the sounds fade in our

174

00:10:17,350 --> 00:10:13,680

memories but some things we can't forget

175

00:10:23,829 --> 00:10:17,360

names apollo 11 armstrong aldrin and

176  
00:10:29,190 --> 00:10:27,430  
other names grissom white and chaffee

177  
00:10:31,190 --> 00:10:29,200  
they remind us that it wasn't all

178  
00:10:33,590 --> 00:10:31,200  
success and celebration

179  
00:10:36,949 --> 00:10:33,600  
there was failure tragedy

180  
00:10:39,509 --> 00:10:36,959  
early in 1967 the three crawled into the

181  
00:10:40,630 --> 00:10:39,519  
command module at cape kennedy for a

182  
00:10:43,190 --> 00:10:40,640  
test

183  
00:10:44,829 --> 00:10:43,200  
there was a flash fire

184  
00:10:47,829 --> 00:10:44,839  
all three

185  
00:10:50,310 --> 00:10:47,839  
died after the shock came the long

186  
00:10:52,630 --> 00:10:50,320  
painful job of picking up the pieces

187  
00:10:54,150 --> 00:10:52,640  
learning the lessons coming together for

188  
00:10:56,470 --> 00:10:54,160

a common goal

189

00:10:58,790 --> 00:10:56,480

the remains of the launch structure

190

00:11:11,190 --> 00:10:58,800

stand as a reminder that the goal was

191

00:11:16,949 --> 00:11:13,990

these strange shapes what do they mean

192

00:11:18,230 --> 00:11:16,959

these towers of steel what are they

193

00:11:20,630 --> 00:11:18,240

monuments

194

00:11:22,470 --> 00:11:20,640

or leftovers from some earlier age of

195

00:11:25,030 --> 00:11:22,480

discovery

196

00:11:27,190 --> 00:11:25,040

in the long history of man in the slow

197

00:11:30,230 --> 00:11:27,200

journey of the caravan

198

00:11:33,190 --> 00:11:30,240

what point do these mark

199

00:11:35,910 --> 00:11:33,200

historian arthur schlesinger

200

00:11:38,790 --> 00:11:35,920

i have no doubt at all that if posterity

201  
00:11:41,110 --> 00:11:38,800  
remembers the 20th century for anything

202  
00:11:42,550 --> 00:11:41,120  
historians 500 years from now looking at

203  
00:11:44,550 --> 00:11:42,560  
the 20th century

204  
00:11:45,990 --> 00:11:44,560  
it will be because it will be the

205  
00:11:48,069 --> 00:11:46,000  
century

206  
00:11:50,389 --> 00:11:48,079  
when man first began to break his

207  
00:11:54,069 --> 00:11:50,399  
terrestrial bonds and began the

208  
00:11:54,079 --> 00:12:03,910  
so that's it

209  
00:12:09,190 --> 00:12:06,470  
as man learned moved on and discarded

210  
00:12:11,990 --> 00:12:09,200  
the earlier structures he came to these

211  
00:12:14,629 --> 00:12:12,000  
they're marked for further milestones

212  
00:12:29,030 --> 00:12:14,639  
reserved for future missions

213  
00:12:34,550 --> 00:12:31,829

historians five centuries from now will

214

00:12:37,030 --> 00:12:34,560

mark this century this place and they

215

00:12:38,389 --> 00:12:37,040

will further note that from the void

216

00:12:41,350 --> 00:12:38,399

life man

217

00:12:42,870 --> 00:12:41,360

it took eons to reach this point

218

00:12:45,030 --> 00:12:42,880

but once there

219

00:12:58,870 --> 00:12:45,040

the centuries and years compressed into

220

00:13:03,910 --> 00:13:01,829

the wheel the engine the airplane they

221

00:13:07,910 --> 00:13:03,920

came slowly at first then with

222

00:13:10,550 --> 00:13:07,920

increasing velocity and then this

223

00:13:12,949 --> 00:13:10,560

so huge so powerful

224

00:13:15,030 --> 00:13:12,959

so different that no ordinary modern

225

00:13:17,350 --> 00:13:15,040

name would suffice

226

00:13:20,150 --> 00:13:17,360

they reached backward through antiquity

227

00:13:24,629 --> 00:13:20,160

to roman mythology and they named it

228

00:13:27,750 --> 00:13:25,910

saturn

229

00:13:41,430 --> 00:13:27,760

his father was heaven

230

00:13:46,230 --> 00:13:43,910

the complex organization the mammoth

231

00:13:49,509 --> 00:13:46,240

machines the incredibly detailed

232

00:13:51,189 --> 00:13:49,519

technical knowledge the dedication

233

00:13:53,430 --> 00:13:51,199

it was all harnessed

234

00:13:55,189 --> 00:13:53,440

sharpened to a fine edge

235

00:13:58,230 --> 00:13:55,199

and focused

236

00:14:01,269 --> 00:13:58,240

the program developed and matured

237

00:14:03,430 --> 00:14:01,279

apollo 17 was launched at night

238

00:14:05,990 --> 00:14:03,440

and even the old hands the hardened

239

00:14:07,910 --> 00:14:06,000

veterans of the space program couldn't

240

00:14:12,629 --> 00:14:07,920

help but feel the awe

241

00:14:17,670 --> 00:14:14,870

in the excitement of the split second of

242

00:14:20,150 --> 00:14:17,680

exploration man doesn't stop to freeze

243

00:14:21,750 --> 00:14:20,160

the moment in history to look at it and

244

00:14:24,069 --> 00:14:21,760

ask what it means

245

00:14:26,310 --> 00:14:24,079

he simply lives it out

246

00:14:28,790 --> 00:14:26,320

but in the apollo program on their way

247

00:14:31,269 --> 00:14:28,800

to the moon they found a way to live out

248

00:14:32,870 --> 00:14:31,279

their strange moments in those strange

249

00:14:34,870 --> 00:14:32,880

spacecraft

250

00:14:37,990 --> 00:14:34,880

it may be the peculiar nature of

251  
00:14:56,069 --> 00:14:38,000  
americans to make history and to have

252  
00:14:56,079 --> 00:15:11,350  
ah

253  
00:15:11,360 --> 00:15:29,509  
bye

254  
00:15:37,670 --> 00:15:32,790  
they relaxed and had fun because they we

255  
00:15:44,069 --> 00:15:40,310  
but the program teaches lessons

256  
00:15:46,790 --> 00:15:44,079  
confidence is a transitory thing

257  
00:15:47,990 --> 00:15:46,800  
apollo 13. hey you know we've had a

258  
00:16:00,310 --> 00:15:48,000  
problem here

259  
00:16:04,069 --> 00:16:01,990  
no one would see the problem for some

260  
00:16:06,150 --> 00:16:04,079  
time but they went to work on it

261  
00:16:08,550 --> 00:16:06,160  
the people of apollo coalesced into a

262  
00:16:11,430 --> 00:16:08,560  
single dedicated unit

263  
00:16:13,670 --> 00:16:11,440

linked themselves with their technology

264

00:16:15,430 --> 00:16:13,680

and cheated tragedy

265

00:16:18,389 --> 00:16:15,440

a new chapter in space history was

266

00:16:20,310 --> 00:16:18,399

written in mission control eugene krantz

267

00:16:21,350 --> 00:16:20,320

was the flight director when the problem

268

00:16:23,509 --> 00:16:21,360

developed

269

00:16:25,590 --> 00:16:23,519

throughout this entire

270

00:16:28,230 --> 00:16:25,600

uh next several days

271

00:16:30,310 --> 00:16:28,240

there was one dominant plot

272

00:16:31,670 --> 00:16:30,320

in the minds of all of the flight

273

00:16:34,470 --> 00:16:31,680

controllers

274

00:16:36,790 --> 00:16:34,480

we teach them that between god country

275

00:16:39,030 --> 00:16:36,800

and your own capability

276

00:16:40,790 --> 00:16:39,040

that you can solve any problem that may

277

00:16:42,389 --> 00:16:40,800

occur in flight

278

00:16:44,230 --> 00:16:42,399

throughout the entire course of apollo

279

00:16:45,670 --> 00:16:44,240

13 there was never any death that we'd

280

00:16:47,749 --> 00:16:45,680

get the crew back

281

00:16:49,670 --> 00:16:47,759

so there was a very positive approach

282

00:16:51,430 --> 00:16:49,680

and with this kind of approach you can

283

00:16:56,230 --> 00:16:51,440

solve just about any problem that comes

284

00:17:01,269 --> 00:16:58,949

solve any problem country capability

285

00:17:03,910 --> 00:17:01,279

old-fashioned words during a time when

286

00:17:05,189 --> 00:17:03,920

some said the old-fashioned virtues were

287

00:17:09,750 --> 00:17:05,199

forgotten

288

00:17:12,069 --> 00:17:09,760

they were translated into action into

289

00:17:13,750 --> 00:17:12,079

programs which took man soaring above

290

00:17:15,189 --> 00:17:13,760

the surface of the moon

291

00:17:24,069 --> 00:17:15,199

away from earth

292

00:17:27,750 --> 00:17:26,069

these divided thoughts

293

00:17:29,990 --> 00:17:27,760

the moon the earth

294

00:17:31,350 --> 00:17:30,000

run through the apollo program a sort of

295

00:17:33,430 --> 00:17:31,360

theme

296

00:17:34,549 --> 00:17:33,440

they went there flying in their graceful

297

00:17:36,789 --> 00:17:34,559

machines

298

00:17:38,310 --> 00:17:36,799

but they always thought back to where

299

00:17:40,470 --> 00:17:38,320

they came from

300

00:17:43,190 --> 00:17:40,480

perhaps that's natural

301  
00:18:00,470 --> 00:17:43,200  
the moon is a strange place for men to

302  
00:18:00,480 --> 00:18:31,669  
so

303  
00:18:37,669 --> 00:18:34,470  
if it's strange for men for mankind it's

304  
00:18:40,870 --> 00:18:37,679  
stranger still for the individual man

305  
00:18:42,390 --> 00:18:40,880  
harrison schmidt dr harrison schmidt a

306  
00:18:44,310 --> 00:18:42,400  
geologist

307  
00:18:47,430 --> 00:18:44,320  
he touched the moon

308  
00:18:50,390 --> 00:18:47,440  
and remembers how it was when apollo 17

309  
00:18:51,430 --> 00:18:50,400  
was making its descent the last flight

310  
00:18:53,750 --> 00:18:51,440  
to the moon

311  
00:18:55,110 --> 00:18:53,760  
the last time that man walked on its

312  
00:18:57,830 --> 00:18:55,120  
surface

313  
00:18:59,590 --> 00:18:57,840

schmidt remembers how it was once first

314

00:19:02,870 --> 00:18:59,600

feelings are a

315

00:19:05,669 --> 00:19:02,880

mixture a very complex mixture of

316

00:19:10,390 --> 00:19:07,590

excitement because of something you had

317

00:19:13,909 --> 00:19:10,400

planned to do was being accomplished

318

00:19:16,310 --> 00:19:13,919

but of a great attention to detail to do

319

00:19:19,029 --> 00:19:16,320

to the detail that you had thought about

320

00:19:22,150 --> 00:19:19,039

and learned about for so many years

321

00:19:24,070 --> 00:19:22,160

prior to the actual event

322

00:19:26,470 --> 00:19:24,080

that detail keeps you occupied with

323

00:19:27,430 --> 00:19:26,480

where your hands are and

324

00:19:29,510 --> 00:19:27,440

where

325

00:19:30,950 --> 00:19:29,520

your feet are which rung they might be

326

00:19:32,549 --> 00:19:30,960

you try to remember well am i at the

327

00:19:33,830 --> 00:19:32,559

bottom of the rung

328

00:19:36,549 --> 00:19:33,840

and then

329

00:19:38,630 --> 00:19:36,559

as one moves away and tests his way on

330

00:19:39,990 --> 00:19:38,640

the surface of the moon and

331

00:19:41,990 --> 00:19:40,000

looks around

332

00:19:43,750 --> 00:19:42,000

and in my case looked around a very

333

00:19:45,510 --> 00:19:43,760

magnificent valley

334

00:19:46,789 --> 00:19:45,520

you see a

335

00:19:48,950 --> 00:19:46,799

rolling

336

00:19:51,510 --> 00:19:48,960

hilly country that

337

00:19:53,430 --> 00:19:51,520

is interspersed with some blocky fields

338

00:19:55,430 --> 00:19:53,440

of rocks that you know because you've

339

00:19:57,830 --> 00:19:55,440  
studied the photographs

340

00:20:00,470 --> 00:19:57,840  
and you saw them as you descended

341

00:20:01,750 --> 00:20:00,480  
surround large craters that have been

342

00:20:03,990 --> 00:20:01,760  
formed in that

343

00:20:06,710 --> 00:20:04,000  
rolling countryside

344

00:20:09,270 --> 00:20:06,720  
these rolling dark hills merge in the

345

00:20:12,549 --> 00:20:09,280  
distance a few kilometers away

346

00:20:15,029 --> 00:20:12,559  
with the very smooth

347

00:20:17,190 --> 00:20:15,039  
but very bright colored slopes of the

348

00:20:20,549 --> 00:20:17,200  
massifs

349

00:20:22,870 --> 00:20:20,559  
and they rise with a majesty to rocky

350

00:20:24,549 --> 00:20:22,880  
tops that are

351

00:20:26,549 --> 00:20:24,559

almost beyond description because

352

00:20:34,710 --> 00:20:26,559

there's nothing like that that we have

353

00:20:38,390 --> 00:20:36,870

the sea of tranquility

354

00:20:40,470 --> 00:20:38,400

hadley rill

355

00:20:42,950 --> 00:20:40,480

taurus literal

356

00:20:44,149 --> 00:20:42,960

they were once strange names on the map

357

00:20:46,470 --> 00:20:44,159

of the moon

358

00:20:49,430 --> 00:20:46,480

but the men of apollo gave reality to

359

00:20:50,950 --> 00:20:49,440

the names by being there and showing us

360

00:20:53,990 --> 00:20:50,960

the places

361

00:20:56,230 --> 00:20:54,000

they explored 60 miles of its surface

362

00:20:59,750 --> 00:20:56,240

and their travels took them to craters

363

00:21:01,830 --> 00:20:59,760

foothills to explore to observe and to

364

00:21:04,789 --> 00:21:01,840

sample

365

00:21:06,630 --> 00:21:04,799

hard rock proof of apollo enshrined in

366

00:21:08,390 --> 00:21:06,640

the smithsonian institution in

367

00:21:10,630 --> 00:21:08,400

washington dc

368

00:21:12,310 --> 00:21:10,640

four seven eight point eight grams of

369

00:21:14,870 --> 00:21:12,320

micro breccia

370

00:21:16,630 --> 00:21:14,880

under glass for mere earthlings to see

371

00:21:19,669 --> 00:21:16,640

and whisper about

372

00:21:21,750 --> 00:21:19,679

other rocks from the moon 840 pounds are

373

00:21:24,070 --> 00:21:21,760

being studied and talked about by

374

00:21:25,190 --> 00:21:24,080

scientists in laboratories around the

375

00:21:26,710 --> 00:21:25,200

world

376

00:21:28,870 --> 00:21:26,720

not only rocks

377

00:21:31,510 --> 00:21:28,880

tens of thousands of photographs of

378

00:21:32,470 --> 00:21:31,520

those strange exotic features of the

379

00:21:34,070 --> 00:21:32,480

moon

380

00:21:37,110 --> 00:21:34,080

and telemetry

381

00:21:39,430 --> 00:21:37,120

data on tape facts figures the studies

382

00:21:42,070 --> 00:21:39,440

will go on for years and the answers

383

00:21:43,430 --> 00:21:42,080

will come slowly answers to questions

384

00:21:45,430 --> 00:21:43,440

about the moon

385

00:21:47,669 --> 00:21:45,440

and the solar system

386

00:21:49,590 --> 00:21:47,679

the science of apollo is not merely

387

00:21:52,390 --> 00:21:49,600

concerned with samples from past

388

00:21:55,029 --> 00:21:52,400

milestones yesterday's missions

389

00:21:57,909 --> 00:21:55,039

in a special room in houston men sit at

390

00:22:00,870 --> 00:21:57,919

consoles and command instruments on the

391

00:22:03,110 --> 00:22:00,880

moon to send them today's daughter

392

00:22:08,630 --> 00:22:03,120

and they receive it today

393

00:22:11,270 --> 00:22:09,830

science

394

00:22:13,430 --> 00:22:11,280

that's the key

395

00:22:15,350 --> 00:22:13,440

and technology

396

00:22:17,909 --> 00:22:15,360

and something else

397

00:22:20,230 --> 00:22:17,919

in the drama of the moment few stopped

398

00:22:23,190 --> 00:22:20,240

to think of the essential element the

399

00:22:25,350 --> 00:22:23,200

one thing that made it happen

400

00:22:27,350 --> 00:22:25,360

people came to this program

401  
00:22:30,549 --> 00:22:27,360  
government people university people

402  
00:22:34,149 --> 00:22:30,559  
contractor people they brought to apollo

403  
00:22:37,029 --> 00:22:34,159  
skills and knowledge and determination

404  
00:22:39,430 --> 00:22:37,039  
this source of human intellectual energy

405  
00:22:40,870 --> 00:22:39,440  
was marshaled focused

406  
00:22:43,029 --> 00:22:40,880  
challenged

407  
00:22:45,909 --> 00:22:43,039  
what came out of the effort was not just

408  
00:22:55,909 --> 00:22:45,919  
a very successful program but a rich

409  
00:23:00,310 --> 00:22:58,310  
crystals from the moon the symbols of

410  
00:23:01,590 --> 00:23:00,320  
the science of apollo

411  
00:23:02,870 --> 00:23:01,600  
behind it

412  
00:23:05,350 --> 00:23:02,880  
causing it

413  
00:23:07,430 --> 00:23:05,360

was the spirit of apollo

414

00:23:09,510 --> 00:23:07,440

i was

415

00:23:10,630 --> 00:23:09,520

one day

416

00:23:12,950 --> 00:23:10,640

in april

417

00:23:16,310 --> 00:23:12,960

every month of december

418

00:23:18,630 --> 00:23:16,320

may may made the money that's right

419

00:23:21,430 --> 00:23:18,640

today is the year of the month

420

00:23:25,830 --> 00:23:21,440

when much to my surprise

421

00:23:25,840 --> 00:23:29,350

that's the truth

422

00:23:34,149 --> 00:23:31,909

we saw something of this spirit

423

00:23:37,110 --> 00:23:34,159

we shared in the adventure the

424

00:23:39,029 --> 00:23:37,120

excitement the euphoria of being there

425

00:23:45,029 --> 00:23:39,039

we shared it with the men who bounced

426  
00:23:50,870 --> 00:23:47,669  
and the surprise of discovery we were

427  
00:23:53,110 --> 00:23:50,880  
there to all of us watching vicarious

428  
00:23:55,669 --> 00:23:53,120  
explorers

429  
00:23:58,230 --> 00:23:55,679  
okay we're headed that way

430  
00:24:00,710 --> 00:23:58,240  
you get the tongs uh john yep i carry

431  
00:24:09,029 --> 00:24:00,720  
the rake

432  
00:24:12,950 --> 00:24:11,510  
and the meaning the significance of an

433  
00:24:14,789 --> 00:24:12,960  
occasion

434  
00:24:17,029 --> 00:24:14,799  
that tube came to us

435  
00:24:19,990 --> 00:24:17,039  
flashed into our living rooms on our

436  
00:24:21,830 --> 00:24:20,000  
19-inch window on the universe

437  
00:24:24,070 --> 00:24:21,840  
throughout the world we hope that this

438  
00:24:26,310 --> 00:24:24,080

will be a symbol

439

00:24:28,230 --> 00:24:26,320

of what our feelings are

440

00:24:29,269 --> 00:24:28,240

what the feelings of the apollo program

441

00:24:31,190 --> 00:24:29,279

are

442

00:24:39,830 --> 00:24:31,200

and the symbol of mankind that we can

443

00:24:43,510 --> 00:24:41,750

there was also pride

444

00:24:45,750 --> 00:24:43,520

they put up the flag

445

00:24:49,269 --> 00:24:45,760

and then posed for pictures as any

446

00:24:51,990 --> 00:24:49,279

visitor to a foreign place might do

447

00:24:54,390 --> 00:24:52,000

the flag of each mission stood there

448

00:24:56,310 --> 00:24:54,400

as a reminder that we had been there

449

00:24:57,350 --> 00:24:56,320

but there was the realization that in

450

00:25:00,230 --> 00:24:57,360

truth

451  
00:25:07,269 --> 00:25:00,240  
it belonged to all the people there are

452  
00:25:11,430 --> 00:25:09,510  
the focus was the moon

453  
00:25:15,110 --> 00:25:11,440  
that's what it was all about

454  
00:25:16,710 --> 00:25:15,120  
but by reaching up there we in a sense

455  
00:25:20,470 --> 00:25:16,720  
came back here

456  
00:25:22,390 --> 00:25:20,480  
as one stands and scans a 360 degree

457  
00:25:24,470 --> 00:25:22,400  
panorama of his own

458  
00:25:25,590 --> 00:25:24,480  
one of the first

459  
00:25:28,710 --> 00:25:25,600  
objects

460  
00:25:31,190 --> 00:25:28,720  
in the dark lunar sky that you see

461  
00:25:33,510 --> 00:25:31,200  
is a bright and beautiful bluish globe

462  
00:25:36,149 --> 00:25:33,520  
that we call earth

463  
00:25:38,710 --> 00:25:36,159

this globe represented

464

00:25:41,510 --> 00:25:38,720

to all of us i think

465

00:25:44,310 --> 00:25:41,520

not only home

466

00:25:47,029 --> 00:25:44,320

but a very fragile place

467

00:25:48,950 --> 00:25:47,039

that we have come back and felt that

468

00:25:57,029 --> 00:25:48,960

needed not only protection but

469

00:26:04,230 --> 00:25:59,990

they first went there in 1969

470

00:26:06,630 --> 00:26:04,240

they last left there in late 1972.

471

00:26:09,750 --> 00:26:06,640

between the beginning and the conclusion

472

00:26:11,269 --> 00:26:09,760

they came to feel to dimly perceive what

473

00:26:13,430 --> 00:26:11,279

it was all about

474

00:26:14,789 --> 00:26:13,440

to come to a perspective on the meaning

475

00:26:16,950 --> 00:26:14,799

of it all

476  
00:26:18,870 --> 00:26:16,960  
poet archibald mcleish has said it

477  
00:26:21,590 --> 00:26:18,880  
better than most

478  
00:26:24,710 --> 00:26:21,600  
to see the earth as it truly is

479  
00:26:27,430 --> 00:26:24,720  
small and blue and beautiful in that

480  
00:26:30,470 --> 00:26:27,440  
eternal silence where it floats

481  
00:26:31,990 --> 00:26:30,480  
is to see ourselves as riders on the

482  
00:26:34,390 --> 00:26:32,000  
earth together

483  
00:26:46,710 --> 00:26:34,400  
brothers who know now

484  
00:26:50,830 --> 00:26:48,870  
the excitement of the mission the

485  
00:26:53,269 --> 00:26:50,840  
tension and drama of the

486  
00:26:54,390 --> 00:26:53,279  
splashdown they remain only in our

487  
00:26:56,549 --> 00:26:54,400  
memories

488  
00:27:00,310 --> 00:26:56,559

and in time they'll be replaced in the

489

00:27:02,710 --> 00:27:00,320

future by other missions other memories

490

00:27:05,510 --> 00:27:02,720

the moments of apollo may be over but

491

00:27:07,110 --> 00:27:05,520

the understanding and the discovery

492

00:27:09,990 --> 00:27:07,120

they go on

493

00:27:12,870 --> 00:27:10,000

and the full meaning the real meaning

494

00:27:14,230 --> 00:27:12,880

may yet be in the future too

495

00:27:16,549 --> 00:27:14,240

but for now

496

00:27:19,510 --> 00:27:16,559

for the present the images and the

497

00:27:20,950 --> 00:27:19,520

sounds provide meaning enough to each in

498

00:27:46,230 --> 00:27:20,960

his own way