



1
00:00:33,350 --> 00:00:31,029
ladies and gentlemen thank you for

2
00:00:36,630 --> 00:00:33,360
joining us for the u.s astronaut hall of

3
00:00:39,430 --> 00:00:36,640
fame induction ceremony honoring our

4
00:00:41,430 --> 00:00:39,440
nation's space heroes

5
00:00:43,910 --> 00:00:41,440
please rise for the presentation of

6
00:00:46,869 --> 00:00:43,920
colors followed by the national anthem

7
00:01:02,869 --> 00:00:46,879
performed by susie cunningham of kennedy

8
00:01:02,879 --> 00:01:26,950
national airport

9
00:01:31,590 --> 00:01:27,830
oh

10
00:01:36,630 --> 00:01:31,600
say can you see

11
00:01:40,950 --> 00:01:36,640
by the dawn's early light

12
00:01:45,990 --> 00:01:40,960
what so proudly we hailed

13
00:01:50,710 --> 00:01:46,000

at the twilight's last gleaming

14

00:02:00,550 --> 00:01:50,720

whose broad stripes and bright stars

15

00:02:06,389 --> 00:02:02,109

were so

16

00:02:10,869 --> 00:02:08,469

and the rockets

17

00:02:13,270 --> 00:02:10,879

red glare

18

00:02:16,150 --> 00:02:13,280

the bombs bursting

19

00:02:17,910 --> 00:02:16,160

in air

20

00:02:20,630 --> 00:02:17,920

gave proof

21

00:02:26,309 --> 00:02:20,640

through the night

22

00:02:36,869 --> 00:02:31,550

oh say does that star-spangled

23

00:02:42,550 --> 00:02:38,190

or the

24

00:02:47,750 --> 00:02:45,350

and the home

25

00:03:16,309 --> 00:02:47,760

of the

26

00:03:21,430 --> 00:03:18,229

ladies and gentlemen please welcome

27

00:03:23,270 --> 00:03:21,440

today's master of ceremonies former cnn

28

00:03:28,390 --> 00:03:23,280

correspondent and award-winning

29

00:03:34,630 --> 00:03:29,910

thank you

30

00:03:37,750 --> 00:03:34,640

titusville and susie susie just does a

31

00:03:42,070 --> 00:03:37,760

remarkable job every time susie

32

00:03:43,990 --> 00:03:42,080

really just terrific we love you susie

33

00:03:46,070 --> 00:03:44,000

how's everybody doing good

34

00:03:49,030 --> 00:03:46,080

good we have a great crowd i understand

35

00:03:51,509 --> 00:03:49,040

we had to add 150 extra seats in here

36

00:03:53,509 --> 00:03:51,519

today i think it's mostly duffy's family

37

00:03:56,470 --> 00:03:53,519

is what i'm on what i was told was

38

00:03:57,830 --> 00:03:56,480

here so um and the grandkids and all

39

00:04:01,190 --> 00:03:57,840

that right that's

40

00:04:02,949 --> 00:04:01,200

so uh welcome everyone it is so good to

41

00:04:04,229 --> 00:04:02,959

be here again as the master of

42

00:04:05,509 --> 00:04:04,239

ceremonies

43

00:04:08,470 --> 00:04:05,519

uh

44

00:04:10,470 --> 00:04:08,480

as two space shuttle heroes are inducted

45

00:04:11,350 --> 00:04:10,480

into the united states astronaut hall of

46

00:04:14,550 --> 00:04:11,360

fame

47

00:04:16,550 --> 00:04:14,560

both of our inductees flew aboard this

48

00:04:19,270 --> 00:04:16,560

magnificent machine

49

00:04:21,670 --> 00:04:19,280

which is overhead space shuttle atlantis

50

00:04:25,189 --> 00:04:21,680

and i know many of our other astronauts

51
00:04:28,310 --> 00:04:25,199
here have flown on atlantis as well

52
00:04:29,430 --> 00:04:28,320
there is no better place to host this

53
00:04:32,390 --> 00:04:29,440
occasion

54
00:04:34,950 --> 00:04:32,400
than right here with atlantis

55
00:04:37,670 --> 00:04:34,960
and now it is my privilege to introduce

56
00:04:40,629 --> 00:04:37,680
to you the attending members of the

57
00:04:43,030 --> 00:04:40,639
united states astronaut hall of fame

58
00:04:45,590 --> 00:04:43,040
now astronauts please stand turn and

59
00:04:48,150 --> 00:04:45,600
wave when i call your names al warden

60
00:04:51,189 --> 00:04:48,160
you've got that stand turn and wave

61
00:04:56,790 --> 00:04:51,199
that's three things i know

62
00:05:04,230 --> 00:05:00,390
he logged 143 hours in space

63
00:05:06,550 --> 00:05:04,240

as the lunar module pilot on apollo 13.

64

00:05:08,629 --> 00:05:06,560

later he helped characterize the space

65

00:05:11,350 --> 00:05:08,639

shuttle's flying qualities and

66

00:05:13,510 --> 00:05:11,360

performance during descent and landing

67

00:05:16,310 --> 00:05:13,520

as commander of one of the two-person

68

00:05:19,110 --> 00:05:16,320

crews who piloted the space shuttle

69

00:05:27,430 --> 00:05:19,120

approach and landing test flights fred

70

00:05:33,749 --> 00:05:30,710

command module pilot for apollo 15 and a

71

00:05:36,310 --> 00:05:33,759

nine-year nasa veteran he logged a

72

00:05:39,110 --> 00:05:36,320

38-minute spacewalk outside the

73

00:05:41,510 --> 00:05:39,120

endeavour command module to retrieve

74

00:05:44,870 --> 00:05:41,520

film from the panoramic and mapping

75

00:05:47,990 --> 00:05:44,880

cameras he logged 295

76

00:05:54,870 --> 00:05:48,000

hours and 11 minutes in space

77

00:05:59,990 --> 00:05:57,189

he was the lunar module pilot on apollo

78

00:06:02,950 --> 00:06:00,000

16 mission the fifth mission to land

79

00:06:07,110 --> 00:06:02,960

humans on the moon he and commander john

80

00:06:09,670 --> 00:06:07,120

young stayed for 71 hours and 14 minutes

81

00:06:13,909 --> 00:06:09,680

on the lunar surface a record at the

82

00:06:15,510 --> 00:06:13,919

time of the flight he has logged 265

83

00:06:22,870 --> 00:06:15,520

hours in space

84

00:06:28,070 --> 00:06:25,189

this astronaut was the science pilot on

85

00:06:29,990 --> 00:06:28,080

his first flight sky lab 3. a decade

86

00:06:33,270 --> 00:06:30,000

later he served as a mission specialist

87

00:06:35,430 --> 00:06:33,280

aboard space shuttle columbia on sts-9

88

00:06:37,749 --> 00:06:35,440

the first flight of space lab

89

00:06:40,230 --> 00:06:37,759

demonstrating the shuttle's capability

90

00:06:44,070 --> 00:06:40,240

for advanced science research in earth

91

00:06:54,870 --> 00:06:44,080

orbit he has logged more than 1600

92

00:07:00,390 --> 00:06:57,510

he served as pilot for skylab 3 during

93

00:07:04,150 --> 00:07:00,400

which he worked in orbit for 59 days and

94

00:07:06,870 --> 00:07:04,160

spent 11 hours on two spacewalks outside

95

00:07:09,029 --> 00:07:06,880

the space station later he commanded the

96

00:07:11,909 --> 00:07:09,039

third orbital test flight of space

97

00:07:19,270 --> 00:07:11,919

shuttle columbia sts-3

98

00:07:23,350 --> 00:07:21,189

as the command module pilot on the

99

00:07:25,670 --> 00:07:23,360

apollo soyuz test project he was one of

100

00:07:28,309 --> 00:07:25,680

the first u.s astronauts to meet in

101
00:07:31,350 --> 00:07:28,319
space with russian cosmonauts he went on

102
00:07:34,950 --> 00:07:31,360
to command sts-5 the first fully

103
00:07:37,270 --> 00:07:34,960
operational shuttle flight sts-41b

104
00:07:38,749 --> 00:07:37,280
the first landing here at kennedy space

105
00:07:41,510 --> 00:07:38,759
center and

106
00:07:50,550 --> 00:07:41,520
sts-35 the first shuttle mission

107
00:07:58,869 --> 00:07:55,110
this astronaut piloted colombia in 1981

108
00:08:01,270 --> 00:07:58,879
on sts-1 the very first space shuttle

109
00:08:04,150 --> 00:08:01,280
mission he went on to command three more

110
00:08:06,070 --> 00:08:04,160
missions including sts-7 which conducted

111
00:08:08,469 --> 00:08:06,080
the first deployment and retrieval

112
00:08:11,350 --> 00:08:08,479
exercise with the shuttle pallet

113
00:08:19,670 --> 00:08:11,360

satellite he later served as director of

114

00:08:25,430 --> 00:08:22,150

during his 19 years with the astronaut

115

00:08:28,230 --> 00:08:25,440

program he logged more than 386 hours in

116

00:08:30,150 --> 00:08:28,240

space and flew on three shuttle missions

117

00:08:32,389 --> 00:08:30,160

he served as pilot during the maiden

118

00:08:36,389 --> 00:08:32,399

voyage of shuttle challenger aboard

119

00:08:39,589 --> 00:08:36,399

sts-6 as commander of sts-51d

120

00:08:41,909 --> 00:08:39,599

and as the commander of sts-51j

121

00:08:50,710 --> 00:08:41,919

the first flight of the space shuttle

122

00:08:55,430 --> 00:08:52,870

a three-space flight veteran he was on

123

00:08:58,070 --> 00:08:55,440

the first crew to fly an orbiter in

124

00:09:00,949 --> 00:08:58,080

close proximity to a free-flying

125

00:09:03,110 --> 00:09:00,959

satellite on sts-7 he then commanded

126
00:09:04,350 --> 00:09:03,120
sts-51a

127
00:09:07,350 --> 00:09:04,360
and later

128
00:09:09,269 --> 00:09:07,360
sts-26 which marked the space shuttle's

129
00:09:16,470 --> 00:09:09,279
return to flight following the

130
00:09:21,350 --> 00:09:18,550
a veteran of four space shuttle missions

131
00:09:23,750 --> 00:09:21,360
he piloted sts-8 the first mission with

132
00:09:25,750 --> 00:09:23,760
a night launch and landing he commanded

133
00:09:28,550 --> 00:09:25,760
sts-51g

134
00:09:30,310 --> 00:09:28,560
and spent 26 hours in space during

135
00:09:32,470 --> 00:09:30,320
sts-32

136
00:09:33,949 --> 00:09:32,480
the longest shuttle mission at the time

137
00:09:37,350 --> 00:09:33,959
he later commanded

138
00:09:39,269 --> 00:09:37,360

sts-49 the maiden flight of space

139

00:09:46,310 --> 00:09:39,279

shuttle endeavour

140

00:09:51,630 --> 00:09:48,790

logging more than 500 hours in space he

141

00:09:55,670 --> 00:09:51,640

piloted sts-9 and later commanded

142

00:09:58,150 --> 00:09:55,680

sts-61b and sts-28 he also played a key

143

00:10:00,150 --> 00:09:58,160

role in returning the shuttle to turning

144

00:10:02,310 --> 00:10:00,160

the shuttle to flight following the

145

00:10:05,350 --> 00:10:02,320

challenger tragedy leading the space

146

00:10:11,509 --> 00:10:05,360

shuttle orbiter return to flight team

147

00:10:15,350 --> 00:10:13,670

this astronaut a veteran of five space

148

00:10:17,030 --> 00:10:15,360

shuttle flights served as pilot for

149

00:10:19,030 --> 00:10:17,040

sts-41b

150

00:10:21,269 --> 00:10:19,040

which culminated in the first landing on

151
00:10:25,190 --> 00:10:21,279
kennedy space center's runway he then

152
00:10:28,310 --> 00:10:25,200
commanded sts-61c sts-27

153
00:10:30,310 --> 00:10:28,320
47 and 71 the first space shuttle

154
00:10:32,069 --> 00:10:30,320
mission to dock with the russian space

155
00:10:38,069 --> 00:10:32,079
station mirror

156
00:10:42,910 --> 00:10:40,870
a veteran of five space shuttle missions

157
00:10:47,430 --> 00:10:42,920
sts-51d

158
00:10:50,470 --> 00:10:47,440
sts-35 sts-46 61 and 75.

159
00:10:53,590 --> 00:10:50,480
he became the first astronaut to log 1

160
00:10:56,550 --> 00:10:53,600
000 hours on the space shuttle and made

161
00:11:01,030 --> 00:10:56,560
nasa's first shuttle contingency space

162
00:11:02,790 --> 00:11:01,040
walk he has logged 21 and a half million

163
00:11:09,350 --> 00:11:02,800

miles in space

164

00:11:13,430 --> 00:11:11,269

she's a veteran of three space shuttle

165

00:11:16,710 --> 00:11:13,440

missions including the first two flights

166

00:11:19,350 --> 00:11:16,720

of the space lab life sciences payload

167

00:11:21,110 --> 00:11:19,360

that expanded our understanding of space

168

00:11:22,710 --> 00:11:21,120

and life sciences

169

00:11:25,670 --> 00:11:22,720

on her third mission she served as

170

00:11:27,829 --> 00:11:25,680

payload commander on sts-58 the second

171

00:11:30,350 --> 00:11:27,839

flight of space lab and ultimately

172

00:11:34,389 --> 00:11:30,360

logged more than

173

00:11:35,509 --> 00:11:34,399

722 hours in space during her astronaut

174

00:11:42,069 --> 00:11:35,519

career

175

00:11:47,829 --> 00:11:44,230

a four-time space shuttle veteran he has

176

00:11:49,670 --> 00:11:47,839

logged more than 646 hours in space he

177

00:11:52,150 --> 00:11:49,680

distinguished himself as the pilot of

178

00:11:54,150 --> 00:11:52,160

discovery for the shuttle program's

179

00:11:56,870 --> 00:11:54,160

return to flight mission following the

180

00:11:59,509 --> 00:11:56,880

challenger tragedy and as commander of

181

00:12:06,949 --> 00:11:59,519

the first hubble space telescope

182

00:12:12,629 --> 00:12:10,550

she logged more than 1200 hours 50 days

183

00:12:15,590 --> 00:12:12,639

in space she served as mission

184

00:12:18,790 --> 00:12:15,600

specialist for sts-61a

185

00:12:23,670 --> 00:12:18,800

and sts-32 and payload commander on

186

00:12:25,949 --> 00:12:23,680

sts-50 and sts-89 in 1995 she made

187

00:12:29,190 --> 00:12:25,959

history aboard atlantis on

188

00:12:38,069 --> 00:12:29,200

sts-71 by docking with the russian space

189

00:12:43,030 --> 00:12:40,389

veteran of four space shuttle flights he

190

00:12:46,150 --> 00:12:43,040

piloted sts-61c

191

00:12:49,190 --> 00:12:46,160

and sts-31 which deployed the hubble

192

00:12:51,110 --> 00:12:49,200

space telescope then served as commander

193

00:12:54,829 --> 00:12:51,120

for sts-45

194

00:12:59,110 --> 00:12:54,839

and sts-60 logging more than

195

00:13:09,110 --> 00:12:59,120

680 hours in space today he serves as

196

00:13:15,190 --> 00:13:12,150

she has logged more than 975 hours in

197

00:13:18,629 --> 00:13:15,200

space including more than 21 hours of

198

00:13:21,990 --> 00:13:18,639

extra vehicular activity she flew four

199

00:13:24,150 --> 00:13:22,000

space shuttle missions including sts-49

200

00:13:32,550 --> 00:13:24,160

the maiden flight of the space shuttle

201
00:13:37,829 --> 00:13:34,790
this six-time space shuttle flyer served

202
00:13:39,509 --> 00:13:37,839
as pilot on his first flight sts-32 and

203
00:13:42,069 --> 00:13:39,519
went on to command his next five

204
00:13:44,310 --> 00:13:42,079
missions including the first u.s flight

205
00:13:46,550 --> 00:13:44,320
operations with the russian mir space

206
00:13:48,310 --> 00:13:46,560
station and the first exchange of

207
00:13:50,389 --> 00:13:48,320
resident crew members on the

208
00:13:52,269 --> 00:13:50,399
international space station he has

209
00:14:00,389 --> 00:13:52,279
logged nearly

210
00:14:04,470 --> 00:14:02,870
this astronaut's first flight also was

211
00:14:07,829 --> 00:14:04,480
the maiden voyage of space shuttle

212
00:14:10,710 --> 00:14:07,839
endeavour he served as pilot on sts-59

213
00:14:13,110 --> 00:14:10,720

and commanded sts-76

214

00:14:14,829 --> 00:14:13,120

the third shuttle docking with mir he

215

00:14:23,910 --> 00:14:14,839

has logged more than

216

00:14:27,269 --> 00:14:25,670

this veteran of four space shuttle

217

00:14:28,829 --> 00:14:27,279

flights first served as a mission

218

00:14:32,710 --> 00:14:28,839

specialist on

219

00:14:34,949 --> 00:14:32,720

sts-55 he then served as pilot on sts-71

220

00:14:37,189 --> 00:14:34,959

the first shuttle docking with mir he

221

00:14:39,430 --> 00:14:37,199

went on to command two more flights to

222

00:14:42,870 --> 00:14:39,440

mir sts-84

223

00:14:45,030 --> 00:14:42,880

and sts-91 the final docking of the

224

00:14:47,350 --> 00:14:45,040

shuttle mirror program he has logged

225

00:14:48,870 --> 00:14:47,360

more than 932

226

00:14:55,189 --> 00:14:48,880

hours in space

227

00:15:00,550 --> 00:14:57,269

he racked up more than

228

00:15:02,629 --> 00:15:00,560

hundred hours in space on his five space

229

00:15:04,150 --> 00:15:02,639

shuttle missions he commanded the first

230

00:15:07,670 --> 00:15:04,160

shuttle docking to the fledgling

231

00:15:12,030 --> 00:15:07,680

international space station

232

00:15:15,750 --> 00:15:12,040

on sts 96 and then led the seven person

233

00:15:23,189 --> 00:15:15,760

sts-100 crew on a mission to install the

234

00:15:37,110 --> 00:15:25,829

ladies and gentlemen our hall of fame

235

00:15:40,870 --> 00:15:38,949

ladies and gentlemen

236

00:15:42,629 --> 00:15:40,880

it is my pleasure to welcome the chief

237

00:15:45,910 --> 00:15:42,639

operating officer of kennedy space

238

00:15:53,350 --> 00:15:45,920

center visitor complex mr theron prozzie

239

00:15:56,790 --> 00:15:54,550

you know

240

00:15:58,230 --> 00:15:56,800

john does such an amazing job and uh you

241

00:16:00,069 --> 00:15:58,240

know i always come up here and try to be

242

00:16:01,269 --> 00:16:00,079

kind of stiff as a board so you know i

243

00:16:02,790 --> 00:16:01,279

thought about playing the whole john

244

00:16:04,550 --> 00:16:02,800

zarrella role today has anybody ever

245

00:16:06,230 --> 00:16:04,560

seen the lean on the podium and just

246

00:16:08,550 --> 00:16:06,240

kind of kick back he just does an

247

00:16:10,629 --> 00:16:08,560

amazing job good afternoon and welcome

248

00:16:12,949 --> 00:16:10,639

to today's ceremony we're here to

249

00:16:15,430 --> 00:16:12,959

welcome two space shuttle veterans into

250

00:16:17,350 --> 00:16:15,440

the u.s astronaut hall of fame's 15th

251
00:16:22,389 --> 00:16:17,360
class of shuttle astronaut inductees can

252
00:16:26,949 --> 00:16:24,629
absolutely exciting

253
00:16:29,350 --> 00:16:26,959
to all of you that are gathered here

254
00:16:31,350 --> 00:16:29,360
and on on behalf of the 60 000 delaware

255
00:16:33,430 --> 00:16:31,360
north associates worldwide including the

256
00:16:35,269 --> 00:16:33,440
entire team here at the kennedy space

257
00:16:36,389 --> 00:16:35,279
center visitor complex thank you for

258
00:16:38,470 --> 00:16:36,399
being with us

259
00:16:41,509 --> 00:16:38,480
it is our honor to host today's ceremony

260
00:16:44,230 --> 00:16:41,519
to welcome nasa astronauts brian duffy

261
00:16:46,790 --> 00:16:44,240
scott paranzinski into this elite group

262
00:16:48,629 --> 00:16:46,800
of space explorers and pioneers

263
00:16:50,790 --> 00:16:48,639

at kennedy space center visitor complex

264

00:16:52,790 --> 00:16:50,800

our goal is to tell the nasa story in

265

00:16:54,389 --> 00:16:52,800

the most compelling and immersive way

266

00:16:57,430 --> 00:16:54,399

possible

267

00:16:59,749 --> 00:16:57,440

to give everyone of any age the chance

268

00:17:02,310 --> 00:16:59,759

to truly understand the challenges the

269

00:17:04,470 --> 00:17:02,320

problem solving the hard work and the

270

00:17:08,309 --> 00:17:04,480

swell of pride that achievements in

271

00:17:12,710 --> 00:17:10,150

astronauts are such an important part of

272

00:17:14,309 --> 00:17:12,720

the nasa story through their eyes

273

00:17:15,829 --> 00:17:14,319

and their stories

274

00:17:18,390 --> 00:17:15,839

we all have the chance to appreciate

275

00:17:19,750 --> 00:17:18,400

space flight as an insider soon those

276

00:17:22,230 --> 00:17:19,760

stories will be brought to life an

277

00:17:24,150 --> 00:17:22,240

entirely new way the us astronaut hall

278

00:17:25,990 --> 00:17:24,160

of fame will be a component of the new

279

00:17:27,510 --> 00:17:26,000

heroes and legends attraction opening

280

00:17:29,190 --> 00:17:27,520

later this year you might have seen it

281

00:17:30,870 --> 00:17:29,200

as you walked in today

282

00:17:32,230 --> 00:17:30,880

through this state of the art technology

283

00:17:33,830 --> 00:17:32,240

guests will have the opportunity to

284

00:17:35,990 --> 00:17:33,840

virtually interact with our astronaut

285

00:17:38,710 --> 00:17:36,000

inductees and experience the thrills of

286

00:17:40,150 --> 00:17:38,720

our space program like never before

287

00:17:42,630 --> 00:17:40,160

heroes and legends will feature an

288

00:17:44,630 --> 00:17:42,640

omnidirectional 4d experience of earth

289

00:17:46,390 --> 00:17:44,640

and space as astronauts share their

290

00:17:48,230 --> 00:17:46,400

stories and adventures

291

00:17:50,870 --> 00:17:48,240

an interactive zone will allow guests to

292

00:17:53,270 --> 00:17:50,880

see priceless space artifacts

293

00:17:55,190 --> 00:17:53,280

come alive and exhibits up close and

294

00:17:56,870 --> 00:17:55,200

explore multimedia and interactive

295

00:17:59,029 --> 00:17:56,880

features

296

00:18:00,950 --> 00:17:59,039

and of course the newly designed u.s

297

00:18:02,630 --> 00:18:00,960

astronaut hall of fame will round out

298

00:18:04,630 --> 00:18:02,640

the experience leaving guests with a

299

00:18:06,950 --> 00:18:04,640

deeper understanding and appreciation

300

00:18:09,029 --> 00:18:06,960

for the challenges and accomplishments

301

00:18:11,430 --> 00:18:09,039

of the u.s space program

302

00:18:13,830 --> 00:18:11,440

just this spring we also launched cosmic

303

00:18:16,070 --> 00:18:13,840

quest a live interaction adventure based

304

00:18:18,230 --> 00:18:16,080

on real nasa missions offering a truly

305

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

immersive experience guests can capture

306

00:18:23,430 --> 00:18:20,640

an asteroid launch a rocket create a

307

00:18:24,789 --> 00:18:23,440

habitat elmore on mars and even conduct

308

00:18:27,510 --> 00:18:24,799

research on the international space

309

00:18:30,390 --> 00:18:27,520

station on april 29th we also launched

310

00:18:32,710 --> 00:18:30,400

the all-new 3d imax film a beautiful

311

00:18:34,710 --> 00:18:32,720

planet narrated by jennifer lawrence and

312

00:18:36,950 --> 00:18:34,720

this document documentary features

313

00:18:38,390 --> 00:18:36,960

spectacular views of earth captured by

314

00:18:40,230 --> 00:18:38,400

astronauts living aboard the space

315

00:18:41,990 --> 00:18:40,240

station

316

00:18:43,830 --> 00:18:42,000

and then coming this summer guests will

317

00:18:46,310 --> 00:18:43,840

be able to take a holographic journey on

318

00:18:48,390 --> 00:18:46,320

the red planet in destination mars

319

00:18:50,710 --> 00:18:48,400

nasa and microsoft have joined forces to

320

00:18:53,110 --> 00:18:50,720

provide this guided tour of mars using a

321

00:18:55,510 --> 00:18:53,120

real imagery from the agency's curiosity

322

00:18:58,470 --> 00:18:55,520

mars rover and the microsoft hololens

323

00:19:00,230 --> 00:18:58,480

mixed reality headset astronauts

324

00:19:02,070 --> 00:19:00,240

excuse me astronaut legend buzz aldrin

325

00:19:03,990 --> 00:19:02,080

serves as the ultimate tour guide as

326

00:19:06,070 --> 00:19:04,000

guests set out on the adventure on

327

00:19:07,909 --> 00:19:06,080

martian soil

328

00:19:09,430 --> 00:19:07,919

there's even more innovations coming on

329

00:19:11,110 --> 00:19:09,440

the horizon we are so excited about the

330

00:19:12,950 --> 00:19:11,120

future of the complex

331

00:19:14,710 --> 00:19:12,960

today's children need to have fun

332

00:19:16,630 --> 00:19:14,720

learning about science technology

333

00:19:18,710 --> 00:19:16,640

engineering and math in order to become

334

00:19:20,710 --> 00:19:18,720

tomorrow's space explorers

335

00:19:23,190 --> 00:19:20,720

that's what every new exhibit or every

336

00:19:24,789 --> 00:19:23,200

hands-on experience is all about

337

00:19:26,710 --> 00:19:24,799

i'd like to recognize the astronaut

338

00:19:28,789 --> 00:19:26,720

scholarship foundation for doing such an

339

00:19:30,870 --> 00:19:28,799

amazing job their board of directors

340

00:19:32,230 --> 00:19:30,880

executive director tammy sutler and her

341

00:19:34,310 --> 00:19:32,240

staff and volunteers for their

342

00:19:40,549 --> 00:19:34,320

contributions to today's outstanding

343

00:19:44,230 --> 00:19:42,390

it's a true honor to work together with

344

00:19:46,310 --> 00:19:44,240

asf on behalf of kennedy space center

345

00:19:47,830 --> 00:19:46,320

visitor complex thank you for years of

346

00:19:49,750 --> 00:19:47,840

dedicated service

347

00:19:51,750 --> 00:19:49,760

and the incredible job you have done and

348

00:19:53,510 --> 00:19:51,760

we'll continue to do honoring our

349

00:19:56,230 --> 00:19:53,520

nation's astronauts and helping to pave

350

00:19:58,070 --> 00:19:56,240

the next generation road to the stars

351

00:20:00,150 --> 00:19:58,080

lastly and most importantly

352

00:20:02,310 --> 00:20:00,160

congratulations to this year's inductees

353

00:20:11,270 --> 00:20:02,320

brian duffy and scott paranzinski thank

354

00:20:16,549 --> 00:20:13,669

that wasn't bad theron

355

00:20:18,549 --> 00:20:16,559

but you know jay-z media shameless plug

356

00:20:20,710 --> 00:20:18,559

does offer media training

357

00:20:23,270 --> 00:20:20,720

so if you would like i'll be glad to do

358

00:20:29,990 --> 00:20:23,280

some coaching on the zarella format

359

00:20:35,350 --> 00:20:32,310

and now it is my pleasure to welcome to

360

00:20:37,669 --> 00:20:35,360

the podium hall of fame astronaut

361

00:20:48,149 --> 00:20:37,679

nasa administrator and my friend charlie

362

00:20:51,750 --> 00:20:50,230

okay it says bolden speaks for three

363

00:20:53,750 --> 00:20:51,760

minutes

364

00:20:55,669 --> 00:20:53,760

that lies

365

00:20:57,510 --> 00:20:55,679

uh john thanks very much for your kind

366

00:20:59,830 --> 00:20:57,520

introduction and i have to say i'm i'm

367

00:21:02,710 --> 00:20:59,840

quite honored to be here with this great

368

00:21:04,789 --> 00:21:02,720

crowd today and to represent ksc senator

369

00:21:06,470 --> 00:21:04,799

director bob cabana

370

00:21:08,390 --> 00:21:06,480

in welcoming you to the incredible

371

00:21:09,909 --> 00:21:08,400

kennedy space center america's launch

372

00:21:12,070 --> 00:21:09,919

pad to the universe

373

00:21:14,149 --> 00:21:12,080

bob uh i think all of you know would

374

00:21:16,710 --> 00:21:14,159

would be here except some of you don't

375

00:21:19,669 --> 00:21:16,720

know he lost his mother this past

376

00:21:21,190 --> 00:21:19,679

week and and returned home to to be with

377

00:21:23,029 --> 00:21:21,200

the family so

378

00:21:25,830 --> 00:21:23,039

i would ask that all of you keep bob and

379

00:21:27,830 --> 00:21:25,840

his family and your thoughts and prayers

380

00:21:29,590 --> 00:21:27,840

i'd also like to join others in

381

00:21:30,470 --> 00:21:29,600

congratulating the scholars that's

382

00:21:32,230 --> 00:21:30,480

actually

383

00:21:33,990 --> 00:21:32,240

one of the big reasons we get together

384

00:21:36,149 --> 00:21:34,000

on this weekend so

385

00:21:38,630 --> 00:21:36,159

to the astronaut scholars

386

00:21:40,549 --> 00:21:38,640

past present and even some futures out

387

00:21:42,070 --> 00:21:40,559

there crime around

388

00:21:44,390 --> 00:21:42,080

congratulations

389

00:21:46,149 --> 00:21:44,400

you know if i think if bob were here

390

00:21:48,870 --> 00:21:46,159

he'd tell you how proud he is of his

391

00:21:50,549 --> 00:21:48,880

superb ksc team that's hard at work

392

00:21:52,710 --> 00:21:50,559

every day transitioning the kennedy

393

00:21:54,789 --> 00:21:52,720

space center to a 21st century

394

00:21:56,470 --> 00:21:54,799

multi-user spaceport

395

00:21:58,549 --> 00:21:56,480

from modernization of the critical

396

00:22:00,789 --> 00:21:58,559

ground systems such as a new mobile

397

00:22:03,590 --> 00:22:00,799

launcher to support the space launch

398

00:22:07,029 --> 00:22:03,600

system or sls heavy lift rocket

399

00:22:09,350 --> 00:22:07,039

uh in manufacture today to carry orion

400

00:22:13,029 --> 00:22:09,360

to and our astronaut crews to deep space

401
00:22:13,909 --> 00:22:13,039
destinations only dreamed of in the past

402
00:22:16,230 --> 00:22:13,919
then

403
00:22:18,710 --> 00:22:16,240
there are the game-changing improvements

404
00:22:20,789 --> 00:22:18,720
to launch complex 39b

405
00:22:22,549 --> 00:22:20,799
with its new all fiber communications

406
00:22:24,310 --> 00:22:22,559
and control systems

407
00:22:26,549 --> 00:22:24,320
or we can journey into the vastly

408
00:22:28,870 --> 00:22:26,559
improved operations in checkout our onc

409
00:22:31,590 --> 00:22:28,880
building now hosting assembly of the

410
00:22:33,190 --> 00:22:31,600
second orion crew module in preparation

411
00:22:36,390 --> 00:22:33,200
for the first flight of the integrated

412
00:22:38,470 --> 00:22:36,400
sls and orion system for em-1 or

413
00:22:40,710 --> 00:22:38,480

exploration mission one

414

00:22:43,110 --> 00:22:40,720

or we could go to the vab the vehicle

415

00:22:45,669 --> 00:22:43,120

assembly building being restructured to

416

00:22:47,110 --> 00:22:45,679

accommodate sls booster and core stage

417

00:22:49,190 --> 00:22:47,120

stacking

418

00:22:50,950 --> 00:22:49,200

as the host of commercial of our

419

00:22:53,270 --> 00:22:50,960

commercial partners

420

00:22:55,830 --> 00:22:53,280

we have handed over numerous facilities

421

00:22:58,390 --> 00:22:55,840

such as the new boeing cst-100 assembly

422

00:23:00,789 --> 00:22:58,400

facility formerly known as opf or

423

00:23:02,870 --> 00:23:00,799

orbiter processing facility 3

424

00:23:04,390 --> 00:23:02,880

or the spacex falcon heavy launch

425

00:23:06,390 --> 00:23:04,400

complex

426
00:23:09,029 --> 00:23:06,400
lc 39a

427
00:23:10,870 --> 00:23:09,039
from where armstrong aldrin and collins

428
00:23:13,510 --> 00:23:10,880
launched on the historic apollo 11

429
00:23:15,430 --> 00:23:13,520
mission to land on the moon

430
00:23:18,149 --> 00:23:15,440
there are more facilities scheduled for

431
00:23:20,789 --> 00:23:18,159
commercial transition and use

432
00:23:23,590 --> 00:23:20,799
our launch services program lsp

433
00:23:25,430 --> 00:23:23,600
is now more busy than ever with diverse

434
00:23:26,789 --> 00:23:25,440
missions and preparation under their

435
00:23:28,710 --> 00:23:26,799
watchful eye

436
00:23:31,430 --> 00:23:28,720
osiris-rex the origin spectral

437
00:23:33,909 --> 00:23:31,440
interpretation resource identification

438
00:23:36,230 --> 00:23:33,919

security and regolith explorer

439

00:23:38,470 --> 00:23:36,240

goals are geostationary operational

440

00:23:39,590 --> 00:23:38,480

environment satellite r series and

441

00:23:41,510 --> 00:23:39,600

cygnus

442

00:23:43,190 --> 00:23:41,520

those are all scheduled before the end

443

00:23:45,510 --> 00:23:43,200

of this calendar year

444

00:23:47,269 --> 00:23:45,520

and then joint polar satellite system or

445

00:23:50,070 --> 00:23:47,279

jpss-1

446

00:23:51,590 --> 00:23:50,080

the ionospheric connection explorer icon

447

00:23:54,230 --> 00:23:51,600

the transiting

448

00:23:56,390 --> 00:23:54,240

exoplanet survey satellite tests

449

00:23:57,750 --> 00:23:56,400

the tracking and data relay satellite m

450

00:24:00,549 --> 00:23:57,760

or tdrs m

451
00:24:03,350 --> 00:24:00,559
and uh ice cloud and land elevation

452
00:24:05,269 --> 00:24:03,360
satellite 2 or icesat-2 all scheduled

453
00:24:07,190 --> 00:24:05,279
for 2017

454
00:24:09,590 --> 00:24:07,200
the year in which we are still very

455
00:24:12,230 --> 00:24:09,600
hopeful to see the first commercial crew

456
00:24:14,149 --> 00:24:12,240
vehicles launch from right here on the

457
00:24:17,909 --> 00:24:14,159
space coast returning launch of our

458
00:24:19,190 --> 00:24:17,919
crews uh from america once again big

459
00:24:20,950 --> 00:24:19,200
deal for us

460
00:24:23,510 --> 00:24:20,960
and then theron's already mentioned it

461
00:24:25,269 --> 00:24:23,520
but coming later this year what we think

462
00:24:27,269 --> 00:24:25,279
will be the spectacular heroes and

463
00:24:29,750 --> 00:24:27,279

legends exhibit that will house the

464

00:24:32,630 --> 00:24:29,760

astronaut hall of fame and bring even

465

00:24:33,830 --> 00:24:32,640

more incredible exhibits uh for the for

466

00:24:36,950 --> 00:24:33,840

the public

467

00:24:39,269 --> 00:24:36,960

but to return to the occasion for today

468

00:24:41,750 --> 00:24:39,279

what an honor it is to be able to join

469

00:24:43,990 --> 00:24:41,760

my fellow astronaut hall of fame alums

470

00:24:44,950 --> 00:24:44,000

to welcome two wonderful wonderful

471

00:24:46,710 --> 00:24:44,960

people

472

00:24:49,110 --> 00:24:46,720

astronauts brian duffy and scott

473

00:24:53,269 --> 00:24:49,120

perezinski into the hall

474

00:24:54,630 --> 00:24:53,279

brian was on my crew for sts-45 in fact

475

00:24:58,710 --> 00:24:54,640

as my pilot

476
00:25:01,029 --> 00:24:58,720
brian ran my crew on sts-45 some of you

477
00:25:02,549 --> 00:25:01,039
who know me know how that happens

478
00:25:05,269 --> 00:25:02,559
we were aboard the space shuttle

479
00:25:07,590 --> 00:25:05,279
atlantis one of four missions that brian

480
00:25:09,110 --> 00:25:07,600
flew on the shuttle a test pilot by

481
00:25:11,510 --> 00:25:09,120
training brian had a distinguished

482
00:25:14,149 --> 00:25:11,520
career serving in the u.s air force

483
00:25:16,149 --> 00:25:14,159
thank you for your service colonel duffy

484
00:25:19,110 --> 00:25:16,159
while i never had the opportunity to fly

485
00:25:21,110 --> 00:25:19,120
with scott i have long admired his work

486
00:25:25,430 --> 00:25:21,120
as a veteran of five shuttle missions

487
00:25:28,470 --> 00:25:25,440
seven evas and equally amazing to me

488
00:25:30,950 --> 00:25:28,480

just his journey to summit mount everest

489

00:25:33,350 --> 00:25:30,960

today we at nasa are on a journey to

490

00:25:35,750 --> 00:25:33,360

mars that will take american astronauts

491

00:25:37,590 --> 00:25:35,760

to the asteroid to an asteroid next

492

00:25:38,950 --> 00:25:37,600

decade and to the red planet in the

493

00:25:40,870 --> 00:25:38,960

2030s

494

00:25:42,630 --> 00:25:40,880

when our astronauts put the first human

495

00:25:44,710 --> 00:25:42,640

footsteps on mars

496

00:25:46,470 --> 00:25:44,720

they will be walking in the footsteps of

497

00:25:48,310 --> 00:25:46,480

hall of famers like brian duffy and

498

00:25:50,549 --> 00:25:48,320

scott perezinski

499

00:25:52,950 --> 00:25:50,559

when our children's and grandchildren's

500

00:25:55,909 --> 00:25:52,960

children benefit from nasa-driven

501
00:25:56,950 --> 00:25:55,919
advances in medicine technology earth

502
00:25:57,750 --> 00:25:56,960
science

503
00:25:59,669 --> 00:25:57,760
they

504
00:26:01,990 --> 00:25:59,679
will have the legacy of hall of famers

505
00:26:04,230 --> 00:26:02,000
like brian and scott to thank

506
00:26:07,190 --> 00:26:04,240
whenever young americans stand out in

507
00:26:09,830 --> 00:26:07,200
areas like exploration innovation and

508
00:26:12,390 --> 00:26:09,840
cooperation they will be standing on the

509
00:26:13,909 --> 00:26:12,400
shoulders of hall of famers like brian

510
00:26:16,470 --> 00:26:13,919
and scott

511
00:26:17,750 --> 00:26:16,480
ralph waldo emerson once commented that

512
00:26:20,390 --> 00:26:17,760
and i quote

513
00:26:22,390 --> 00:26:20,400

if the stars should appear but one night

514

00:26:25,990 --> 00:26:22,400

every thousand years

515

00:26:27,430 --> 00:26:26,000

how man would marvel and stare end quote

516

00:26:28,950 --> 00:26:27,440

of course

517

00:26:31,269 --> 00:26:28,960

the stars come out a little more

518

00:26:32,310 --> 00:26:31,279

frequently than just once every thousand

519

00:26:34,310 --> 00:26:32,320

years

520

00:26:35,750 --> 00:26:34,320

their nightly appearances are just a

521

00:26:37,110 --> 00:26:35,760

part of life

522

00:26:39,029 --> 00:26:37,120

in a way

523

00:26:41,990 --> 00:26:39,039

the same can be said for all the

524

00:26:44,070 --> 00:26:42,000

progress we've made in space exploration

525

00:26:46,230 --> 00:26:44,080

the new heights we've reached thanks to

526

00:26:48,870 --> 00:26:46,240

astronauts like brian and scott

527

00:26:50,710 --> 00:26:48,880

have become so ingrained in our culture

528

00:26:54,310 --> 00:26:50,720

that we don't always think about just

529

00:26:57,669 --> 00:26:54,320

how incredible how absolutely incredible

530

00:26:59,430 --> 00:26:57,679

all that we have achieved actually is

531

00:27:01,909 --> 00:26:59,440

i like to call the young americans of

532

00:27:04,230 --> 00:27:01,919

today the space generation president

533

00:27:06,310 --> 00:27:04,240

obama calls them the mars generation

534

00:27:08,310 --> 00:27:06,320

because of the expansive way in which

535

00:27:09,750 --> 00:27:08,320

they look at our universe

536

00:27:11,669 --> 00:27:09,760

when i tell my three beautiful

537

00:27:13,909 --> 00:27:11,679

granddaughters for example that we're

538

00:27:15,669 --> 00:27:13,919

going to mars they ask me

539

00:27:18,870 --> 00:27:15,679

why stop there

540

00:27:20,389 --> 00:27:18,880

i tell them let me get to mars first

541

00:27:23,110 --> 00:27:20,399

the ability to skype

542

00:27:25,029 --> 00:27:23,120

with a friend halfway around the world

543

00:27:27,590 --> 00:27:25,039

or watch a movie that's reaching their

544

00:27:29,510 --> 00:27:27,600

living room via satellite is just

545

00:27:32,789 --> 00:27:29,520

routine for them

546

00:27:36,789 --> 00:27:32,799

anyone as a matter of fact who is age 15

547

00:27:39,430 --> 00:27:36,799

now soon age 16 or younger has not lived

548

00:27:42,789 --> 00:27:39,440

a single day of his or her life in fact

549

00:27:44,230 --> 00:27:42,799

not one single second of his or her life

550

00:27:46,230 --> 00:27:44,240

when human beings from different

551
00:27:47,909 --> 00:27:46,240
countries have not been living and

552
00:27:49,990 --> 00:27:47,919
working on the international space

553
00:27:52,870 --> 00:27:50,000
station together

554
00:27:54,389 --> 00:27:52,880
250 miles above our planet

555
00:27:56,389 --> 00:27:54,399
with this in mind

556
00:27:59,350 --> 00:27:56,399
one of the wonderful gifts of this hall

557
00:28:02,149 --> 00:27:59,360
of fame is that it gives an opportunity

558
00:28:03,909 --> 00:28:02,159
to hit the pause button for a moment to

559
00:28:06,070 --> 00:28:03,919
take a step back

560
00:28:08,710 --> 00:28:06,080
take a deep breath for a moment and

561
00:28:09,909 --> 00:28:08,720
reflect on just how far we really have

562
00:28:12,149 --> 00:28:09,919
come

563
00:28:14,149 --> 00:28:12,159

so i want to invite all of you as we

564

00:28:17,190 --> 00:28:14,159

celebrate brian and scott

565

00:28:19,430 --> 00:28:17,200

to think about just just the

566

00:28:23,350 --> 00:28:19,440

monumental and impactful

567

00:28:25,190 --> 00:28:23,360

accomplishments of these two great

568

00:28:27,590 --> 00:28:25,200

americans truly are

569

00:28:29,110 --> 00:28:27,600

and what they mean for both our present

570

00:28:30,710 --> 00:28:29,120

and our future

571

00:28:33,149 --> 00:28:30,720

congratulations

572

00:28:35,750 --> 00:28:33,159

hall of famers brian duffy and

573

00:28:44,870 --> 00:28:35,760

congratulations hall of famer scott

574

00:28:48,870 --> 00:28:46,950

thank you mr bolden

575

00:28:51,990 --> 00:28:48,880

and now ladies and gentlemen it is my

576

00:28:54,710 --> 00:28:52,000

pleasure to welcome to the stage hall of

577

00:29:05,830 --> 00:28:54,720

fame astronaut and astronaut scholarship

578

00:29:09,029 --> 00:29:07,110

thank you john

579

00:29:11,190 --> 00:29:09,039

and good afternoon everyone and thank

580

00:29:13,190 --> 00:29:11,200

you all for being here with us today

581

00:29:15,830 --> 00:29:13,200

we're very pleased to welcome brian and

582

00:29:16,950 --> 00:29:15,840

scott into the u.s astronaut hall of

583

00:29:18,310 --> 00:29:16,960

fame

584

00:29:20,630 --> 00:29:18,320

as a chairman of the astronaut

585

00:29:22,950 --> 00:29:20,640

scholarship foundation it gives me great

586

00:29:25,190 --> 00:29:22,960

pride to look out across the faces of

587

00:29:26,870 --> 00:29:25,200

the my fellow astronauts and also the

588

00:29:29,510 --> 00:29:26,880

guests here today

589

00:29:31,029 --> 00:29:29,520

back in the 80s the original mercury

590

00:29:32,630 --> 00:29:31,039

seven astronauts

591

00:29:35,590 --> 00:29:32,640

decided that there should be a place to

592

00:29:37,430 --> 00:29:35,600

celebrate astronauts accomplishments

593

00:29:40,230 --> 00:29:37,440

that shares the side of human space

594

00:29:41,669 --> 00:29:40,240

flight in a unique and personal way

595

00:29:43,590 --> 00:29:41,679

their dream

596

00:29:46,310 --> 00:29:43,600

of the us astronaut hall of fame came to

597

00:29:48,310 --> 00:29:46,320

reality in 1990

598

00:29:50,149 --> 00:29:48,320

and now look how far we've come since

599

00:29:51,669 --> 00:29:50,159

then you heard theron talking about the

600

00:29:52,870 --> 00:29:51,679

new one going up right across the way

601
00:29:56,149 --> 00:29:52,880
here

602
00:29:58,070 --> 00:29:56,159
the hall of fame hall of fame seeks to

603
00:29:59,909 --> 00:29:58,080
celebrate and inspire

604
00:30:01,029 --> 00:29:59,919
more than that the the goal of keeping

605
00:30:03,350 --> 00:30:01,039
america

606
00:30:05,669 --> 00:30:03,360
uh on the leading edge of technology and

607
00:30:07,350 --> 00:30:05,679
innovation

608
00:30:09,430 --> 00:30:07,360
and that means encouraging students to

609
00:30:11,669 --> 00:30:09,440
aim high dream big

610
00:30:15,110 --> 00:30:11,679
and pursue their careers in science

611
00:30:16,789 --> 00:30:15,120
technology engineering and math

612
00:30:19,190 --> 00:30:16,799
that's where the astronaut scholarship

613
00:30:21,909 --> 00:30:19,200

foundation comes into play

614

00:30:23,830 --> 00:30:21,919

asf awards merit-based scholarships to

615

00:30:26,630 --> 00:30:23,840

the best and brightest students working

616

00:30:29,430 --> 00:30:26,640

toward careers in those fields

617

00:30:31,029 --> 00:30:29,440

the predict prestigious

618

00:30:32,630 --> 00:30:31,039

astronaut scholarship

619

00:30:33,990 --> 00:30:32,640

is known nationwide as one of the

620

00:30:36,950 --> 00:30:34,000

highest scholarships awarded to

621

00:30:39,669 --> 00:30:36,960

undergraduate stem students

622

00:30:40,789 --> 00:30:39,679

since its inception asf has awarded over

623

00:30:42,870 --> 00:30:40,799

four million dollars worth of

624

00:30:45,669 --> 00:30:42,880

scholarships over 400

625

00:30:49,669 --> 00:30:47,190

now uh

626
00:30:52,149 --> 00:30:49,679
the last astronaut selection we were all

627
00:30:53,269 --> 00:30:52,159
very excited and thrilled in the

628
00:30:55,029 --> 00:30:53,279
foundation

629
00:30:57,029 --> 00:30:55,039
because the first

630
00:31:00,549 --> 00:30:57,039
astronaut scholar alum

631
00:31:02,830 --> 00:31:00,559
christina koch was selected as a nasa

632
00:31:06,070 --> 00:31:02,840
astronaut to be again the training

633
00:31:09,029 --> 00:31:06,080
program last night at the gala

634
00:31:11,909 --> 00:31:09,039
she shared some of her early childhood

635
00:31:14,630 --> 00:31:11,919
visions and inspirations and also shared

636
00:31:16,789 --> 00:31:14,640
with us what receiving the astronaut

637
00:31:19,110 --> 00:31:16,799
astronaut scholarship

638
00:31:20,470 --> 00:31:19,120

meant to her and the support and

639

00:31:24,230 --> 00:31:20,480

inspiration

640

00:31:26,389 --> 00:31:24,240

that the astronauts provided her as she

641

00:31:27,990 --> 00:31:26,399

went to her schooling and ultimately the

642

00:31:28,950 --> 00:31:28,000

rest of her career that

643

00:31:31,350 --> 00:31:28,960

has

644

00:31:33,909 --> 00:31:31,360

enabled her to arrive at the scholarship

645

00:31:36,389 --> 00:31:33,919

program uh in

646

00:31:38,549 --> 00:31:36,399

in the audience with us today in fact uh

647

00:31:40,710 --> 00:31:38,559

there's a relatively large group of

648

00:31:42,870 --> 00:31:40,720

astronaut scholar recipients

649

00:31:44,710 --> 00:31:42,880

and so if the scholars would all stand

650

00:31:55,909 --> 00:31:44,720

so everybody can recognize them they're

651
00:31:59,509 --> 00:31:57,590
what they have done and accomplished is

652
00:32:01,830 --> 00:31:59,519
really eye watering we have a technical

653
00:32:02,710 --> 00:32:01,840
conference as part of this program this

654
00:32:04,389 --> 00:32:02,720
morning

655
00:32:06,149 --> 00:32:04,399
and uh

656
00:32:08,470 --> 00:32:06,159
we went in and sat and listened to these

657
00:32:10,710 --> 00:32:08,480
folks tell us what they're working on

658
00:32:11,990 --> 00:32:10,720
and it's truly mind-boggling in fact if

659
00:32:13,750 --> 00:32:12,000
i had to repeat any of it i probably

660
00:32:15,190 --> 00:32:13,760
couldn't because most of it went over my

661
00:32:18,389 --> 00:32:15,200
head but

662
00:32:20,470 --> 00:32:18,399
but they really do do a wonderful thing

663
00:32:22,310 --> 00:32:20,480

well uh

664

00:32:23,190 --> 00:32:22,320

now we can't we can't get this done

665

00:32:25,350 --> 00:32:23,200

alone

666

00:32:27,269 --> 00:32:25,360

we receive a lot of support

667

00:32:29,750 --> 00:32:27,279

from all the astronauts

668

00:32:31,430 --> 00:32:29,760

from friends of nasa and also at from

669

00:32:33,509 --> 00:32:31,440

nasa with charlie bolden who you heard

670

00:32:34,789 --> 00:32:33,519

earlier bob cabana who couldn't be with

671

00:32:36,630 --> 00:32:34,799

us today

672

00:32:38,149 --> 00:32:36,640

as well as uh theron prossie who you

673

00:32:40,710 --> 00:32:38,159

also heard of from the kennedy space

674

00:32:43,190 --> 00:32:40,720

center visitor complex and that support

675

00:32:45,430 --> 00:32:43,200

is invaluable and their

676

00:32:47,830 --> 00:32:45,440

achievement i mean their involvement is

677

00:32:49,990 --> 00:32:47,840

truly appreciated

678

00:32:51,830 --> 00:32:50,000

and now before we continue i want to pay

679

00:32:53,590 --> 00:32:51,840

tribute to two astronauts who have

680

00:32:55,190 --> 00:32:53,600

passed away since our last induction

681

00:32:57,830 --> 00:32:55,200

ceremony

682

00:32:59,990 --> 00:32:57,840

hall of fame astronaut apollo astronaut

683

00:33:01,430 --> 00:33:00,000

edgar mitchell passed away he was on our

684

00:33:02,950 --> 00:33:01,440

board of directors and was a strong

685

00:33:04,070 --> 00:33:02,960

supporter of the foundation for many

686

00:33:07,029 --> 00:33:04,080

years

687

00:33:09,509 --> 00:33:07,039

also shuttle astronaut don williams who

688

00:33:11,590 --> 00:33:09,519

also had supported us at this event many

689

00:33:13,430 --> 00:33:11,600

times during his life

690

00:33:15,350 --> 00:33:13,440

they both had remarkable contributions

691

00:33:17,509 --> 00:33:15,360

to the exploration of space

692

00:33:22,950 --> 00:33:17,519

and their legacy lives on let's take a

693

00:33:22,960 --> 00:33:32,950

thank you very much

694

00:33:32,960 --> 00:33:39,509

thank you dan

695

00:33:39,519 --> 00:33:43,110

are you ready

696

00:33:47,669 --> 00:33:45,830

ladies and gentlemen now it's time for

697

00:33:50,950 --> 00:33:47,679

what we came here for

698

00:33:53,269 --> 00:33:50,960

to begin the induction of the 15th class

699

00:33:57,110 --> 00:33:53,279

of space shuttle astronauts into the

700

00:33:59,350 --> 00:33:57,120

united states astronaut hall of fame

701
00:34:15,990 --> 00:33:59,360
our first inductee

702
00:34:18,550 --> 00:34:17,669
three two

703
00:34:26,869 --> 00:34:18,560
one

704
00:34:26,879 --> 00:34:37,750
atlanta

705
00:34:41,190 --> 00:34:39,589
and liftoff of the space shuttle

706
00:34:42,790 --> 00:34:41,200
endeavour on their first space ad

707
00:35:01,349 --> 00:34:42,800
mission and the retrieval of the eureka

708
00:35:01,359 --> 00:35:19,430
main gear touchdown

709
00:35:19,440 --> 00:35:36,790
we knew the man would come through

710
00:35:52,230 --> 00:35:39,349
of discovering making shuttle history

711
00:36:08,390 --> 00:35:54,150
ellen here you can see us deploying the

712
00:36:11,190 --> 00:36:09,750
happy wheel stop brian your great

713
00:36:12,790 --> 00:36:11,200

landing today made everybody happy

714

00:36:24,470 --> 00:36:12,800

welcome back to earth after a super

715

00:36:30,470 --> 00:36:26,790

brian duffy was selected as a nasa

716

00:36:32,790 --> 00:36:30,480

astronaut in june of 1985.

717

00:36:35,270 --> 00:36:32,800

duffy kicked off his astronaut career as

718

00:36:37,990 --> 00:36:35,280

a spaceflight communicator and helped

719

00:36:40,310 --> 00:36:38,000

develop instrumentation displays

720

00:36:43,109 --> 00:36:40,320

as well as procedures for shuttle crews

721

00:36:45,349 --> 00:36:43,119

to use on later flights he flew in space

722

00:36:47,109 --> 00:36:45,359

for the first time as the pilot on

723

00:36:49,990 --> 00:36:47,119

sts-45

724

00:36:53,589 --> 00:36:50,000

aboard space shuttle atlantis launched

725

00:36:55,829 --> 00:36:53,599

march 24 1992 the flight was the first

726
00:36:58,310 --> 00:36:55,839
of the atlas missions

727
00:36:59,750 --> 00:36:58,320
to explore the sun earth

728
00:37:01,910 --> 00:36:59,760
connection

729
00:37:05,750 --> 00:37:01,920
a year later duffy occupied the pilot's

730
00:37:08,069 --> 00:37:05,760
seat again on sts 57 this time aboard

731
00:37:11,190 --> 00:37:08,079
endeavour the 10-day mission launched

732
00:37:13,349 --> 00:37:11,200
june 21st 1993

733
00:37:16,870 --> 00:37:13,359
and marked the first flight of the

734
00:37:19,910 --> 00:37:16,880
pressurized space ab science module

735
00:37:22,950 --> 00:37:19,920
in january 1996 he stepped into the role

736
00:37:25,750 --> 00:37:22,960
of commander on sts-72

737
00:37:28,230 --> 00:37:25,760
leading the six-person crew of endeavor

738
00:37:30,950 --> 00:37:28,240

this nine-day flight included two

739

00:37:33,030 --> 00:37:30,960

spacewalks to help nasa prepare for

740

00:37:34,310 --> 00:37:33,040

assembly of the international space

741

00:37:36,630 --> 00:37:34,320

station

742

00:37:41,190 --> 00:37:36,640

next duffy commanded shuttle discovery

743

00:37:43,349 --> 00:37:41,200

on october of 2000 that flight sts 92

744

00:37:47,589 --> 00:37:43,359

saw the installation of the station's

745

00:37:50,310 --> 00:37:47,599

first section of backbone the z1 truss

746

00:37:52,790 --> 00:37:50,320

and a series of four spacewalks to

747

00:37:55,030 --> 00:37:52,800

configure and activate it

748

00:37:59,829 --> 00:37:55,040

during his four space shuttle missions

749

00:38:02,069 --> 00:37:59,839

duffy logged more than 40 days in space

750

00:38:05,430 --> 00:38:02,079

duffy retired from nasa and the united

751

00:38:07,109 --> 00:38:05,440

states air force in 2001

752

00:38:11,190 --> 00:38:07,119

but he didn't leave the aerospace

753

00:38:14,069 --> 00:38:11,200

industry today he is orbital atk's vice

754

00:38:16,870 --> 00:38:14,079

president and program manager leading

755

00:38:19,750 --> 00:38:16,880

the company's human space exploration

756

00:38:22,310 --> 00:38:19,760

activities at the johnson space center

757

00:38:24,950 --> 00:38:22,320

and here at kennedy

758

00:38:41,510 --> 00:38:24,960

ladies and gentlemen astronaut brian

759

00:38:45,190 --> 00:38:43,430

to present brian duffy for induction

760

00:38:46,950 --> 00:38:45,200

into the united states astronaut hall of

761

00:38:58,150 --> 00:38:46,960

fame please welcome hall of fame

762

00:39:03,030 --> 00:38:59,670

thanks john

763

00:39:04,390 --> 00:39:03,040

brian just told me be nice

764

00:39:06,790 --> 00:39:04,400

you know as you might imagine we all

765

00:39:09,349 --> 00:39:06,800

know too many stories about each other

766

00:39:11,349 --> 00:39:09,359

and uh my intention is to be today brian

767

00:39:13,349 --> 00:39:11,359

um let me add my congratulations to

768

00:39:15,270 --> 00:39:13,359

scott and he'll be coming up here soon

769

00:39:18,069 --> 00:39:15,280

to join but this is my one chance to

770

00:39:20,230 --> 00:39:18,079

congratulate him in public and and brian

771

00:39:22,710 --> 00:39:20,240

you too of course for this uh

772

00:39:24,470 --> 00:39:22,720

well-deserved honor i want to also thank

773

00:39:26,870 --> 00:39:24,480

the kennedy space center visitors center

774

00:39:28,550 --> 00:39:26,880

for providing this marvelous venue and

775

00:39:31,109 --> 00:39:28,560

support this is my first time to see

776

00:39:33,109 --> 00:39:31,119

atlantis since i saw her launch on her

777

00:39:36,550 --> 00:39:33,119

her last flight from just outside the

778

00:39:38,310 --> 00:39:36,560

doors at banana creek and i'm just blown

779

00:39:40,790 --> 00:39:38,320

away by this facility and it's so nice

780

00:39:41,750 --> 00:39:40,800

that we can have this special event here

781

00:39:43,589 --> 00:39:41,760

today

782

00:39:45,430 --> 00:39:43,599

and dan i want to thank you for your

783

00:39:48,230 --> 00:39:45,440

leadership for the astronaut scholarship

784

00:39:50,150 --> 00:39:48,240

foundation uh what a what a tremendous

785

00:39:52,390 --> 00:39:50,160

tremendous organization doing great

786

00:39:54,550 --> 00:39:52,400

things for young people in our country

787

00:39:56,230 --> 00:39:54,560

that are going to pay back tenfold the

788

00:39:59,349 --> 00:39:56,240

investment we make into them so thank

789

00:39:59,359 --> 00:40:02,630

mr duffy

790

00:40:06,470 --> 00:40:03,750

brian duffy i don't know if you know

791

00:40:08,309 --> 00:40:06,480

this but he's an irishman from boston

792

00:40:10,630 --> 00:40:08,319

not only an irishman from boston an

793

00:40:12,230 --> 00:40:10,640

irishman from south boston and if you

794

00:40:15,190 --> 00:40:12,240

know the history of whitey bulger i need

795

00:40:18,069 --> 00:40:16,790

to tell you that brian grew up in a

796

00:40:20,309 --> 00:40:18,079

tough neighborhood would be the

797

00:40:23,030 --> 00:40:20,319

understatement of the day here today

798

00:40:23,910 --> 00:40:23,040

as a southie and uh you know he was a

799

00:40:28,710 --> 00:40:23,920

working

800

00:40:31,349 --> 00:40:28,720

children growing up in in south boston

801
00:40:33,510 --> 00:40:31,359
and brian knew his place in the family

802
00:40:35,030 --> 00:40:33,520
and worked very hard in school

803
00:40:37,270 --> 00:40:35,040
and worked very hard at sport you know

804
00:40:39,190 --> 00:40:37,280
he grew up in the era when the red sox

805
00:40:40,790 --> 00:40:39,200
couldn't win a world series but

806
00:40:43,670 --> 00:40:40,800
my lakers couldn't beat the boston

807
00:40:45,910 --> 00:40:43,680
celtics so it was a marvelous time for a

808
00:40:48,150 --> 00:40:45,920
young man a young boy who maybe dreamed

809
00:40:49,750 --> 00:40:48,160
of playing baseball and basketball

810
00:40:51,030 --> 00:40:49,760
and really never dreamed of flying in

811
00:40:52,630 --> 00:40:51,040
space

812
00:40:54,069 --> 00:40:52,640
ryan said you know i asked him did you

813
00:40:56,550 --> 00:40:54,079

always want to be an astronaut he said

814

00:40:58,230 --> 00:40:56,560

no you know i thought it was cool but

815

00:40:59,190 --> 00:40:58,240

it's nothing i could ever do certainly

816

00:41:01,670 --> 00:40:59,200

from my

817

00:41:03,270 --> 00:41:01,680

my upbringing and my background

818

00:41:05,030 --> 00:41:03,280

i asked him about joining the air force

819

00:41:06,710 --> 00:41:05,040

how did you end up doing that and he

820

00:41:08,710 --> 00:41:06,720

said well he had a cousin who went to

821

00:41:11,109 --> 00:41:08,720

the air force academy but at the end of

822

00:41:13,270 --> 00:41:11,119

the day there was a lot of financial

823

00:41:14,630 --> 00:41:13,280

incentive to go to the air force academy

824

00:41:16,390 --> 00:41:14,640

and the free education when you come

825

00:41:18,230 --> 00:41:16,400

from a family of five

826

00:41:21,190 --> 00:41:18,240

in that in the neighborhood that brian

827

00:41:23,510 --> 00:41:21,200

grew up in the prospect of playing

828

00:41:25,349 --> 00:41:23,520

baseball was also a good thing as well

829

00:41:27,349 --> 00:41:25,359

and although not recruited

830

00:41:29,030 --> 00:41:27,359

brian walked on to the varsity baseball

831

00:41:31,270 --> 00:41:29,040

team as a freshman at the air force

832

00:41:33,190 --> 00:41:31,280

academy and made the team

833

00:41:36,069 --> 00:41:33,200

so here he was in the united states air

834

00:41:38,309 --> 00:41:36,079

force studying mathematics playing

835

00:41:39,349 --> 00:41:38,319

baseball and kind of getting introduced

836

00:41:43,670 --> 00:41:39,359

to flight

837

00:41:45,589 --> 00:41:43,680

was on the airline flight from boston to

838

00:41:47,750 --> 00:41:45,599

colorado springs to attend the air force

839

00:41:49,349 --> 00:41:47,760

academy so he didn't go there thinking

840

00:41:50,950 --> 00:41:49,359

he wanted to be a pilot he didn't know

841

00:41:52,150 --> 00:41:50,960

what that meant

842

00:41:54,150 --> 00:41:52,160

he didn't go there thinking he wanted to

843

00:41:56,150 --> 00:41:54,160

be an astronaut that was something that

844

00:41:57,670 --> 00:41:56,160

other people did

845

00:41:58,950 --> 00:41:57,680

his sophomore year he was offered an

846

00:42:00,790 --> 00:41:58,960

opportunity to try out for a

847

00:42:03,349 --> 00:42:00,800

professional baseball team and

848

00:42:05,270 --> 00:42:03,359

thankfully for all of us he declined the

849

00:42:07,030 --> 00:42:05,280

opportunity and elected to stay at the

850

00:42:08,710 --> 00:42:07,040

air force academy what a different

851

00:42:10,309 --> 00:42:08,720

career that could have been

852

00:42:12,790 --> 00:42:10,319

he majored in mathematics at the air

853

00:42:14,230 --> 00:42:12,800

force academy not choosing any simple

854

00:42:15,829 --> 00:42:14,240

subject to get through

855

00:42:17,510 --> 00:42:15,839

but i think one of the important things

856

00:42:20,550 --> 00:42:17,520

that happened there happened on the

857

00:42:22,470 --> 00:42:20,560

athletic fields in brian's senior year

858

00:42:24,710 --> 00:42:22,480

he was elected to be captain of the air

859

00:42:26,150 --> 00:42:24,720

force academy baseball team

860

00:42:28,069 --> 00:42:26,160

now a lot of folks may not think that's

861

00:42:29,109 --> 00:42:28,079

too big a deal i mean every team has a

862

00:42:30,470 --> 00:42:29,119

captain

863

00:42:33,109 --> 00:42:30,480

when i consider the fact that my

864

00:42:34,710 --> 00:42:33,119

classmate mark welsh was on that team

865

00:42:36,470 --> 00:42:34,720

mark welsh is currently a member of the

866

00:42:38,710 --> 00:42:36,480

joint chiefs of staff and is the chief

867

00:42:40,390 --> 00:42:38,720

of staff of the united states air force

868

00:42:41,990 --> 00:42:40,400

four star general

869

00:42:44,790 --> 00:42:42,000

being selected to be

870

00:42:47,270 --> 00:42:44,800

mark's captain is a big deal

871

00:42:49,349 --> 00:42:47,280

so brian's leadership skills he

872

00:42:50,870 --> 00:42:49,359

exemplified early very early even as a

873

00:42:53,030 --> 00:42:50,880

cadet at the air force academy he'll

874

00:42:55,109 --> 00:42:53,040

tell you he didn't have the best bat

875

00:42:56,710 --> 00:42:55,119

or the best arm on the team but it's

876

00:42:59,270 --> 00:42:56,720

clearly he was the best leader on the

877

00:43:00,950 --> 00:42:59,280

team you know

878

00:43:02,470 --> 00:43:00,960

but the singular most important thing

879

00:43:04,630 --> 00:43:02,480

that happened to brian at the air force

880

00:43:06,390 --> 00:43:04,640

academy had nothing to do with academics

881

00:43:07,670 --> 00:43:06,400

and had nothing to do with baseball and

882

00:43:09,910 --> 00:43:07,680

had nothing to do with fallen in love

883

00:43:12,470 --> 00:43:09,920

with flynns had to do with fallen in

884

00:43:15,510 --> 00:43:12,480

love with janet helms

885

00:43:16,950 --> 00:43:15,520

this blind date that he got set up on

886

00:43:18,630 --> 00:43:16,960

for the ring dance at the air force

887

00:43:20,630 --> 00:43:18,640

cabinet now the ring dance i'm told by

888

00:43:22,630 --> 00:43:20,640

the current cadets is the second most

889

00:43:24,829 --> 00:43:22,640

coveted ticket only behind the academy

890

00:43:27,030 --> 00:43:24,839

awards in in the united states of

891

00:43:28,550 --> 00:43:27,040

america of course those are air force

892

00:43:30,150 --> 00:43:28,560

academy cadets that tell me this you

893

00:43:31,589 --> 00:43:30,160

know and they're trying to get as good a

894

00:43:33,270 --> 00:43:31,599

looking date to come to this thing as

895

00:43:35,270 --> 00:43:33,280

they possibly can

896

00:43:37,589 --> 00:43:35,280

jan this was really no kidding a blind

897

00:43:41,270 --> 00:43:37,599

date for jan because they had been set

898

00:43:43,589 --> 00:43:41,280

up by a friend letters had exchanged

899

00:43:46,309 --> 00:43:43,599

jan had set brian a picture

900

00:43:48,630 --> 00:43:46,319

brian was smart he did not send jan a

901
00:43:50,390 --> 00:43:48,640
picture

902
00:43:52,150 --> 00:43:50,400
he wanted to make sure she got on that

903
00:43:53,589 --> 00:43:52,160
airplane

904
00:43:54,390 --> 00:43:53,599
and who was the last one off the

905
00:43:57,510 --> 00:43:54,400
airplane

906
00:43:59,270 --> 00:43:57,520
that day and at the denver airport

907
00:44:01,670 --> 00:43:59,280
coming off seeing this young man sitting

908
00:44:03,510 --> 00:44:01,680
there holding her photograph in hand was

909
00:44:05,750 --> 00:44:03,520
jan helms

910
00:44:08,150 --> 00:44:05,760
it was instant love in fact jan told me

911
00:44:09,430 --> 00:44:08,160
she extended her time on that stay to

912
00:44:11,670 --> 00:44:09,440
get to know this young man a little

913
00:44:13,190 --> 00:44:11,680

better and when brian graduated and had

914

00:44:15,829 --> 00:44:13,200

a chance to go to undergraduate pilot

915

00:44:16,630 --> 00:44:15,839

training he didn't try to go to the

916

00:44:18,790 --> 00:44:16,640

nice

917

00:44:20,710 --> 00:44:18,800

spa location that i went to in phoenix

918

00:44:22,950 --> 00:44:20,720

arizona he volunteered to go to columbus

919

00:44:25,270 --> 00:44:22,960

mississippi to be close to jan who was

920

00:44:26,710 --> 00:44:25,280

teaching school then down in florida and

921

00:44:29,430 --> 00:44:26,720

of course that led to a wonderful

922

00:44:31,030 --> 00:44:29,440

marriage and a wonderful family that i

923

00:44:32,390 --> 00:44:31,040

think was appropriately described

924

00:44:33,670 --> 00:44:32,400

earlier has taken up a good number of

925

00:44:35,589 --> 00:44:33,680

the seats here today and it's so

926

00:44:38,470 --> 00:44:35,599

wonderful to have the duffy and helms

927

00:44:40,550 --> 00:44:38,480

clan here to be part of this

928

00:44:41,990 --> 00:44:40,560

brian uh i know he did great in pilot

929

00:44:44,550 --> 00:44:42,000

training as a distinguished graduate and

930

00:44:46,790 --> 00:44:44,560

in 1975 when he went to pilot training

931

00:44:48,790 --> 00:44:46,800

graduating the next year the f-15 was

932

00:44:50,870 --> 00:44:48,800

the newest hottest jet in the united

933

00:44:52,390 --> 00:44:50,880

states air force and mostly only

934

00:44:54,309 --> 00:44:52,400

experienced people were given that

935

00:44:56,470 --> 00:44:54,319

airplane except they picked a few

936

00:44:58,150 --> 00:44:56,480

nuggets right out of pilot training who

937

00:44:59,910 --> 00:44:58,160

they thought had some potential and

938

00:45:01,750 --> 00:44:59,920

brian duffy was one of those very first

939

00:45:03,349 --> 00:45:01,760

second lieutenants selected by the

940

00:45:05,430 --> 00:45:03,359

united states air force to check out in

941

00:45:06,390 --> 00:45:05,440

the f-15 off to langley air force base

942

00:45:08,790 --> 00:45:06,400

he went

943

00:45:11,109 --> 00:45:08,800

and had a and did spectacular there was

944

00:45:12,550 --> 00:45:11,119

one of the bright up-and-coming stars

945

00:45:14,390 --> 00:45:12,560

went out of the blue one day someone

946

00:45:16,470 --> 00:45:14,400

handed him some orders that said you're

947

00:45:18,470 --> 00:45:16,480

going to go to kadena air base okinawa

948

00:45:20,630 --> 00:45:18,480

japan and you're going to be the wing

949

00:45:22,390 --> 00:45:20,640

safety officer there

950

00:45:24,230 --> 00:45:22,400

now in those days in the air force the

951
00:45:26,069 --> 00:45:24,240
wing safety officer was kind of the kiss

952
00:45:28,550 --> 00:45:26,079
of death to your career

953
00:45:30,230 --> 00:45:28,560
in fact five guys in front of brian had

954
00:45:32,309 --> 00:45:30,240
turned the assignment down and elected

955
00:45:34,069 --> 00:45:32,319
to get out of the air force and the only

956
00:45:35,510 --> 00:45:34,079
reason brian got the assignment is he

957
00:45:37,990 --> 00:45:35,520
still had a three-year commitment in the

958
00:45:41,190 --> 00:45:38,000
air force and he couldn't say no

959
00:45:42,710 --> 00:45:41,200
so you know any just being a logical guy

960
00:45:44,230 --> 00:45:42,720
brian figured well this is it for me i

961
00:45:46,069 --> 00:45:44,240
guess i'll go to kadena but while i'm

962
00:45:48,470 --> 00:45:46,079
there i better be thinking about my next

963
00:45:50,470 --> 00:45:48,480

career because clearly the air force has

964

00:45:52,550 --> 00:45:50,480

given up on me

965

00:45:54,630 --> 00:45:52,560

it's where brian and i met

966

00:45:56,630 --> 00:45:54,640

and brian became my instructor pilot now

967

00:45:57,990 --> 00:45:56,640

i knew none of these stories and i

968

00:45:59,670 --> 00:45:58,000

didn't understand what it meant to be

969

00:46:01,829 --> 00:45:59,680

the wing safety officer but i understood

970

00:46:03,510 --> 00:46:01,839

what it meant to be a good fighter pilot

971

00:46:05,030 --> 00:46:03,520

and i knew i had the best fighter pilot

972

00:46:07,589 --> 00:46:05,040

in the 18th deck fighter wing as my

973

00:46:10,230 --> 00:46:07,599

instructor pilot and brian duffy

974

00:46:12,550 --> 00:46:10,240

but i guess to put in a nasa term being

975

00:46:14,550 --> 00:46:12,560

assigned to the 18th tech fighter wing

976
00:46:15,990 --> 00:46:14,560
headquarters safety office was kind of

977
00:46:18,069 --> 00:46:16,000
like being assigned to building one at

978
00:46:19,910 --> 00:46:18,079
the johnson space center it was not

979
00:46:22,309 --> 00:46:19,920
something you desired to do

980
00:46:24,230 --> 00:46:22,319
or looked forward to do

981
00:46:25,910 --> 00:46:24,240
but duff you know is one of these guys

982
00:46:28,470 --> 00:46:25,920
that just he just doesn't complain he

983
00:46:30,150 --> 00:46:28,480
goes through life with a skip and a step

984
00:46:32,470 --> 00:46:30,160
and a smile on his face

985
00:46:35,270 --> 00:46:32,480
and just does his job and just does his

986
00:46:37,190 --> 00:46:35,280
job better than anybody around him

987
00:46:40,390 --> 00:46:37,200
and apparently he did it better than he

988
00:46:41,589 --> 00:46:40,400

even realized because eventually

989

00:46:42,470 --> 00:46:41,599

although he thought it was the end of

990

00:46:44,069 --> 00:46:42,480

his career

991

00:46:45,829 --> 00:46:44,079

some interesting things were happening

992

00:46:47,990 --> 00:46:45,839

behind the scenes

993

00:46:49,750 --> 00:46:48,000

of course he didn't know it so

994

00:46:51,270 --> 00:46:49,760

he executed his plan

995

00:46:52,950 --> 00:46:51,280

he thought maybe being a test pilot

996

00:46:54,829 --> 00:46:52,960

would be kind of interesting duty so he

997

00:46:58,390 --> 00:46:54,839

filled out an application to test pilot

998

00:47:00,309 --> 00:46:58,400

school he was not selected he was an

999

00:47:03,430 --> 00:47:00,319

alternate he found out

1000

00:47:09,990 --> 00:47:05,670

this is a strange one i guess i'll go be

1001
00:47:12,390 --> 00:47:11,030
don't know there may be a connection

1002
00:47:13,829 --> 00:47:12,400
back to southie there that i just

1003
00:47:15,990 --> 00:47:13,839
haven't heard the story about but you

1004
00:47:17,990 --> 00:47:16,000
know here we got a fighter pilot math

1005
00:47:20,630 --> 00:47:18,000
major wants to be a test pilot and his

1006
00:47:23,349 --> 00:47:20,640
bailout plan is to be a lawyer

1007
00:47:24,870 --> 00:47:23,359
so when he's on a temporary duty trip to

1008
00:47:27,670 --> 00:47:24,880
the united states of america for two

1009
00:47:29,589 --> 00:47:27,680
months at maxwell air force base alabama

1010
00:47:32,470 --> 00:47:29,599
he sneaks out juan rica and rents a car

1011
00:47:35,270 --> 00:47:32,480
drives to auburn takes the lsat and gets

1012
00:47:37,510 --> 00:47:35,280
accepted into two law schools

1013
00:47:39,190 --> 00:47:37,520

comes back to okinawa he's two weeks

1014

00:47:40,470 --> 00:47:39,200

away from dropping his letter to get out

1015

00:47:42,069 --> 00:47:40,480

of the air force saying thank you very

1016

00:47:44,069 --> 00:47:42,079

much for a wonderful career i'm off to

1017

00:47:45,990 --> 00:47:44,079

law school when the wing director of

1018

00:47:48,150 --> 00:47:46,000

operation of infamous fighter pilot

1019

00:47:49,829 --> 00:47:48,160

named moody suitor calls him into his

1020

00:47:50,870 --> 00:47:49,839

office and says brian you've done a

1021

00:47:52,950 --> 00:47:50,880

great job

1022

00:47:54,549 --> 00:47:52,960

as the head of flight safety here and i

1023

00:47:56,150 --> 00:47:54,559

want you to go to fighter weapons school

1024

00:47:58,309 --> 00:47:56,160

and be our representative for the 18th

1025

00:48:01,109 --> 00:47:58,319

tech fighter wing

1026

00:48:02,630 --> 00:48:01,119

now this is the most plum assignment any

1027

00:48:04,710 --> 00:48:02,640

fighter pilot could get in the united

1028

00:48:07,829 --> 00:48:04,720

states air force to go to this is the

1029

00:48:09,030 --> 00:48:07,839

navy top gun fighter weapon school

1030

00:48:10,950 --> 00:48:09,040

f-15

1031

00:48:13,190 --> 00:48:10,960

young captain

1032

00:48:17,990 --> 00:48:13,200

brian says well sir that's really not in

1033

00:48:21,270 --> 00:48:19,109

after being

1034

00:48:23,030 --> 00:48:21,280

less than unceremoniously thrown out of

1035

00:48:24,790 --> 00:48:23,040

moody's office literally thrown out of

1036

00:48:27,430 --> 00:48:24,800

moody's office brian went back and

1037

00:48:29,109 --> 00:48:27,440

thought what what is going on here

1038

00:48:31,270 --> 00:48:29,119

and fortunately

1039

00:48:33,750 --> 00:48:31,280

before that that his letter hit the desk

1040

00:48:35,829 --> 00:48:33,760

at the military personnel center

1041

00:48:38,309 --> 00:48:35,839

a slot opened up at air force test pilot

1042

00:48:39,510 --> 00:48:38,319

school and he got a cold call that said

1043

00:48:40,950 --> 00:48:39,520

how would you like to come out for a

1044

00:48:43,510 --> 00:48:40,960

five flight of bow

1045

00:48:46,150 --> 00:48:43,520

he said i think i'll try that and so

1046

00:48:48,390 --> 00:48:46,160

instead of law school brian ended up off

1047

00:48:50,549 --> 00:48:48,400

at air force test pilot school in the

1048

00:48:51,990 --> 00:48:50,559

year of 1982.

1049

00:48:54,230 --> 00:48:52,000

now

1050

00:48:56,230 --> 00:48:54,240

of course how did brian do a test pilot

1051
00:48:57,829 --> 00:48:56,240
school distinguished graduates out there

1052
00:49:00,069 --> 00:48:57,839
of course and from there he moved on to

1053
00:49:01,910 --> 00:49:00,079
eglin air force base where he excelled

1054
00:49:05,589 --> 00:49:01,920
as a test pilot

1055
00:49:07,109 --> 00:49:05,599
i followed brian not from kadena to

1056
00:49:09,430 --> 00:49:07,119
test pilot school and then i was

1057
00:49:10,790 --> 00:49:09,440
assigned to eglin and joined him down

1058
00:49:13,030 --> 00:49:10,800
there and i can tell you he was working

1059
00:49:14,470 --> 00:49:13,040
on a very critical and classified

1060
00:49:16,470 --> 00:49:14,480
program at the time that was very

1061
00:49:18,470 --> 00:49:16,480
important to our national defense

1062
00:49:20,710 --> 00:49:18,480
and just doing a bang-up job

1063
00:49:22,390 --> 00:49:20,720

but also remember that when he arrived

1064

00:49:24,470 --> 00:49:22,400

down there nasa was going to have a

1065

00:49:25,990 --> 00:49:24,480

selection for another astronaut class

1066

00:49:28,309 --> 00:49:26,000

1985

1067

00:49:30,230 --> 00:49:28,319

and every test pilot in in the wing down

1068

00:49:32,790 --> 00:49:30,240

there was applying to be an asset

1069

00:49:35,190 --> 00:49:32,800

astronaut except one

1070

00:49:36,230 --> 00:49:35,200

brian duffy

1071

00:49:38,069 --> 00:49:36,240

because

1072

00:49:39,349 --> 00:49:38,079

he just went to test pilot school and

1073

00:49:43,190 --> 00:49:39,359

thought that's what he was supposed to

1074

00:49:44,950 --> 00:49:43,200

be as a test pilot not an astronaut

1075

00:49:46,790 --> 00:49:44,960

he got another phone call from another

1076

00:49:49,190 --> 00:49:46,800

wing do this time a little kinder

1077

00:49:51,510 --> 00:49:49,200

colonel who called him in and said brian

1078

00:49:54,069 --> 00:49:51,520

i understand you're not applying to test

1079

00:49:56,470 --> 00:49:54,079

or to the nasa program and brian said no

1080

00:49:58,390 --> 00:49:56,480

i don't think i'm going to and he says

1081

00:50:00,069 --> 00:49:58,400

i think you should

1082

00:50:01,829 --> 00:50:00,079

and this time brian did follow the

1083

00:50:03,349 --> 00:50:01,839

advice of his colonel

1084

00:50:05,109 --> 00:50:03,359

he literally had filled out his

1085

00:50:07,510 --> 00:50:05,119

application finished filling it out on a

1086

00:50:09,510 --> 00:50:07,520

friday and a dear friend of ours steve

1087

00:50:11,510 --> 00:50:09,520

pattati checked out on f4 for the

1088

00:50:13,589 --> 00:50:11,520

weekend flew to randolph air force base

1089

00:50:15,270 --> 00:50:13,599

with brian's application so that the

1090

00:50:17,270 --> 00:50:15,280

board would have it on his de on their

1091

00:50:19,030 --> 00:50:17,280

desk on monday morning

1092

00:50:21,670 --> 00:50:19,040

and the only test pilot from eglin air

1093

00:50:23,750 --> 00:50:21,680

force base selected by nasa that year

1094

00:50:25,270 --> 00:50:23,760

was brian duffy

1095

00:50:27,030 --> 00:50:25,280

so you know if you if you're not a

1096

00:50:28,230 --> 00:50:27,040

believer in providence

1097

00:50:30,069 --> 00:50:28,240

you know there's there's too many

1098

00:50:32,309 --> 00:50:30,079

examples in this man's life where some

1099

00:50:33,349 --> 00:50:32,319

twists and turns have have have moved

1100

00:50:35,190 --> 00:50:33,359

along

1101
00:50:36,549 --> 00:50:35,200
but you know just because the air force

1102
00:50:37,670 --> 00:50:36,559
recommends you to nasa doesn't mean

1103
00:50:39,910 --> 00:50:37,680
you're in you've got to go through the

1104
00:50:41,349 --> 00:50:39,920
interview process and all that stuff and

1105
00:50:43,670 --> 00:50:41,359
there's a there's a great story from

1106
00:50:46,790 --> 00:50:43,680
brian's interview that i think is also

1107
00:50:49,030 --> 00:50:46,800
kind of captures his sense of humor and

1108
00:50:50,950 --> 00:50:49,040
a little bit of the steel in his spine

1109
00:50:52,470 --> 00:50:50,960
so the story goes brian is sitting there

1110
00:50:53,990 --> 00:50:52,480
at the at the interview table and of

1111
00:50:56,230 --> 00:50:54,000
course the head of the johnson or the

1112
00:50:57,829 --> 00:50:56,240
flight crew operations is chairing this

1113
00:50:59,750 --> 00:50:57,839

and there's different astronauts there

1114

00:51:02,230 --> 00:50:59,760

and personnel people and they're going

1115

00:51:04,309 --> 00:51:02,240

around asking them various questions and

1116

00:51:05,750 --> 00:51:04,319

one of the questions that was asked of

1117

00:51:07,510 --> 00:51:05,760

brian was

1118

00:51:09,109 --> 00:51:07,520

where he went to college now of course

1119

00:51:10,630 --> 00:51:09,119

they know this it's in the folder but

1120

00:51:12,390 --> 00:51:10,640

this part of the game

1121

00:51:14,150 --> 00:51:12,400

and brian said well i went to the

1122

00:51:16,150 --> 00:51:14,160

academy

1123

00:51:18,790 --> 00:51:16,160

and the man at the head of the table who

1124

00:51:20,950 --> 00:51:18,800

was a graduate of the of annapolis said

1125

00:51:22,870 --> 00:51:20,960

which academy

1126

00:51:28,790 --> 00:51:22,880

brian smiled and said

1127

00:51:31,910 --> 00:51:30,150

well that gentleman who was sitting at

1128

00:51:33,030 --> 00:51:31,920

the head of the table sent me a note the

1129

00:51:34,470 --> 00:51:33,040

other day

1130

00:51:36,710 --> 00:51:34,480

and i want to read it to you it's pretty

1131

00:51:39,750 --> 00:51:36,720

short so first he offers

1132

00:51:41,750 --> 00:51:39,760

his congratulations to you brian

1133

00:51:43,589 --> 00:51:41,760

and he says however

1134

00:51:45,109 --> 00:51:43,599

i'm a little concerned and this is just

1135

00:51:47,430 --> 00:51:45,119

to point out that there's always one

1136

00:51:48,870 --> 00:51:47,440

more chance to get even

1137

00:51:50,870 --> 00:51:48,880

i'm a little concerned that you are

1138

00:51:54,390 --> 00:51:50,880

honoring an individual who has acquired

1139

00:51:56,390 --> 00:51:54,400

a reputation for not paying off his bets

1140

00:51:59,510 --> 00:51:56,400

for you see brian is yet to pay off for

1141

00:52:01,510 --> 00:51:59,520

his unwise wager on an on air force when

1142

00:52:03,750 --> 00:52:01,520

they played navy during the 2015

1143

00:52:05,829 --> 00:52:03,760

football season

1144

00:52:07,910 --> 00:52:05,839

i would also note that it has taken the

1145

00:52:09,190 --> 00:52:07,920

astronaut hall of fame a long time to

1146

00:52:11,349 --> 00:52:09,200

honor brian

1147

00:52:13,589 --> 00:52:11,359

the irish after all recognized him for

1148

00:52:16,710 --> 00:52:13,599

his contributions and his virtues some

1149

00:52:18,710 --> 00:52:16,720

26 years ago when they made him the 1990

1150

00:52:20,710 --> 00:52:18,720

grand marshal of houston's st patrick's

1151

00:52:30,549 --> 00:52:20,720

day parade

1152

00:52:34,390 --> 00:52:32,470

asked uh brian's afghan years were

1153

00:52:37,510 --> 00:52:34,400

interrupted as the whole offices were by

1154

00:52:39,990 --> 00:52:37,520

the tragedy of the challenger accident

1155

00:52:41,910 --> 00:52:40,000

and brian told me you know one of the

1156

00:52:43,829 --> 00:52:41,920

neat things that he got to do and feels

1157

00:52:45,990 --> 00:52:43,839

very connected to was the ability to

1158

00:52:48,230 --> 00:52:46,000

participate even as a young new guy in

1159

00:52:50,549 --> 00:52:48,240

return to flight and he found himself in

1160

00:52:52,870 --> 00:52:50,559

short order assigned to the huntsville

1161

00:52:54,470 --> 00:52:52,880

working on issues associated with the

1162

00:52:55,589 --> 00:52:54,480

main engines and the solid rocket

1163

00:52:57,990 --> 00:52:55,599

boosters

1164

00:52:59,910 --> 00:52:58,000
and most flattering of all he said

1165

00:53:02,470 --> 00:52:59,920
was to be asked by rick hauck who's here

1166

00:53:04,950 --> 00:53:02,480
today and dick covey's who's here today

1167

00:53:06,870 --> 00:53:04,960
to be their family escorts for the

1168

00:53:07,750 --> 00:53:06,880
return to flight mission

1169

00:53:09,109 --> 00:53:07,760
um

1170

00:53:11,750 --> 00:53:09,119
for me

1171

00:53:15,589 --> 00:53:11,760
picking a family escort is a very very

1172

00:53:17,670 --> 00:53:15,599
personal moment and matter and

1173

00:53:21,510 --> 00:53:17,680
to know that these two gentlemen here

1174

00:53:24,790 --> 00:53:21,520
thought so highly of brian to do that

1175

00:53:26,710 --> 00:53:24,800
speaks volumes of brian duffy

1176

00:53:28,150 --> 00:53:26,720

well

1177

00:53:30,710 --> 00:53:28,160

brian had some good times too with other

1178

00:53:32,390 --> 00:53:30,720

additional duties in sale and capcom but

1179

00:53:34,549 --> 00:53:32,400

there's also that time in the barrel as

1180

00:53:37,430 --> 00:53:34,559

the navy folks say and he by and by

1181

00:53:39,190 --> 00:53:37,440

found himself back in building one as

1182

00:53:41,030 --> 00:53:39,200

both the bubba no good deed goes

1183

00:53:42,309 --> 00:53:41,040

unpublished punished there

1184

00:53:44,390 --> 00:53:42,319

and the assistant director of the

1185

00:53:46,790 --> 00:53:44,400

johnson space center and the acting

1186

00:53:48,870 --> 00:53:46,800

deputy director i can tell you that no

1187

00:53:50,069 --> 00:53:48,880

one in the astronaut office wanted these

1188

00:53:52,150 --> 00:53:50,079

jobs

1189

00:53:54,470 --> 00:53:52,160

no one again it was like being assigned

1190

00:53:56,470 --> 00:53:54,480

to headquarters and yet brian saluted

1191

00:53:58,150 --> 00:53:56,480

smartly and took them on and i can also

1192

00:54:00,230 --> 00:53:58,160

tell you every one of us in the

1193

00:54:03,510 --> 00:54:00,240

astronaut office at the time we're so

1194

00:54:05,190 --> 00:54:03,520

glad that brian did just that because he

1195

00:54:07,430 --> 00:54:05,200

brought an element of

1196

00:54:09,030 --> 00:54:07,440

of sanity we think i'd like to think but

1197

00:54:10,870 --> 00:54:09,040

also perspective from the astronaut

1198

00:54:12,710 --> 00:54:10,880

office perspective and we knew

1199

00:54:15,430 --> 00:54:12,720

that our voice was always going to be

1200

00:54:17,750 --> 00:54:15,440

heard through brian's quiet

1201
00:54:19,829 --> 00:54:17,760
dialogue in within the halls of power

1202
00:54:24,069 --> 00:54:19,839
and building one he was the right guy

1203
00:54:27,030 --> 00:54:25,190
you know

1204
00:54:29,109 --> 00:54:27,040
john has given us a great summary of

1205
00:54:31,030 --> 00:54:29,119
brian's flight flight experiences the

1206
00:54:32,870 --> 00:54:31,040
videos were fantastic

1207
00:54:34,950 --> 00:54:32,880
his first flight he was tutored by one

1208
00:54:38,309 --> 00:54:34,960
of the greats charlie bolden and brian

1209
00:54:40,230 --> 00:54:38,319
will has recognized him already on 57 he

1210
00:54:42,150 --> 00:54:40,240
did his first rendezvous with ron graby

1211
00:54:44,309 --> 00:54:42,160
and began to be schooled in that

1212
00:54:45,829 --> 00:54:44,319
on 72 he did another rendezvous but i

1213
00:54:47,030 --> 00:54:45,839

think something else stands out on that

1214

00:54:48,470 --> 00:54:47,040

flight

1215

00:54:49,270 --> 00:54:48,480

you know

1216

00:54:52,950 --> 00:54:49,280

it's

1217

00:54:55,270 --> 00:54:52,960

your crew in fact that's kind of

1218

00:54:57,190 --> 00:54:55,280

entertaining

1219

00:54:58,870 --> 00:54:57,200

having two rookies on your crew can be

1220

00:55:01,030 --> 00:54:58,880

pretty fun really because you can play

1221

00:55:02,950 --> 00:55:01,040

them off against each other

1222

00:55:05,190 --> 00:55:02,960

having three rookies on your crew i

1223

00:55:07,829 --> 00:55:05,200

would call challenging

1224

00:55:10,549 --> 00:55:07,839

having five rookies on your first flight

1225

00:55:12,710 --> 00:55:10,559

as a commander is terrifying

1226
00:55:14,710 --> 00:55:12,720
and that's what brian had here he was

1227
00:55:16,870 --> 00:55:14,720
his first command flight he had five

1228
00:55:18,789 --> 00:55:16,880
rookie astronauts who signed his flight

1229
00:55:21,510 --> 00:55:18,799
and his ms2 is the only one who had

1230
00:55:23,589 --> 00:55:21,520
flown before and he'd only flown once

1231
00:55:25,589 --> 00:55:23,599
that's the kind of trust in leadership

1232
00:55:27,750 --> 00:55:25,599
that the nasa leadership had in brian

1233
00:55:29,270 --> 00:55:27,760
duffy in his ability to do that mission

1234
00:55:31,030 --> 00:55:29,280
which they they completed very

1235
00:55:32,390 --> 00:55:31,040
successfully

1236
00:55:34,309 --> 00:55:32,400
i'll tell you those two round of view

1237
00:55:35,990 --> 00:55:34,319
missions though the skills he developed

1238
00:55:39,190 --> 00:55:36,000

in those flights really got put to the

1239

00:55:41,829 --> 00:55:39,200

test on his last flight sts-92 now 92 is

1240

00:55:43,190 --> 00:55:41,839

kind of an unsung flight

1241

00:55:44,870 --> 00:55:43,200

for the international space station you

1242

00:55:46,309 --> 00:55:44,880

know when you take up a module that

1243

00:55:47,750 --> 00:55:46,319

people you can open the hatch and go

1244

00:55:49,829 --> 00:55:47,760

inside and there's video down to the

1245

00:55:51,750 --> 00:55:49,839

ground that's that's really palpable for

1246

00:55:53,990 --> 00:55:51,760

the audiences to see on earth or if you

1247

00:55:55,990 --> 00:55:54,000

put up a 150-foot solar array that

1248

00:55:58,069 --> 00:55:56,000

deploys i mean that is cool

1249

00:55:59,750 --> 00:55:58,079

but you got this little box of a truss

1250

00:56:02,470 --> 00:55:59,760

with these black discs in it and you

1251
00:56:04,870 --> 00:56:02,480
can't get inside it and you're what is

1252
00:56:07,510 --> 00:56:04,880
this z1 trust anyway

1253
00:56:09,670 --> 00:56:07,520
well it's the brain of the international

1254
00:56:11,589 --> 00:56:09,680
space station it's the nervous system

1255
00:56:13,430 --> 00:56:11,599
it's the entire control system that

1256
00:56:15,910 --> 00:56:13,440
keeps it pointed in the direct direction

1257
00:56:17,670 --> 00:56:15,920
and all the communication systems go

1258
00:56:20,069 --> 00:56:17,680
through it so it's an incredibly

1259
00:56:22,470 --> 00:56:20,079
important element of the station but

1260
00:56:24,309 --> 00:56:22,480
brian was happy that to just you know

1261
00:56:25,589 --> 00:56:24,319
tell people about the z1 trust and leave

1262
00:56:27,109 --> 00:56:25,599
it at that

1263
00:56:29,109 --> 00:56:27,119

proud of his mission though and proud of

1264

00:56:31,589 --> 00:56:29,119

his crew

1265

00:56:32,870 --> 00:56:31,599

on his last training uh simulator before

1266

00:56:34,950 --> 00:56:32,880

that flight

1267

00:56:37,030 --> 00:56:34,960

uh brian they had the opportunity to do

1268

00:56:39,109 --> 00:56:37,040

one more run through the sim

1269

00:56:40,470 --> 00:56:39,119

and brian asked the

1270

00:56:41,990 --> 00:56:40,480

folks over at mission control if they

1271

00:56:45,270 --> 00:56:42,000

could do one more

1272

00:56:46,710 --> 00:56:45,280

radar fail rendezvous in the simulator

1273

00:56:48,230 --> 00:56:46,720

now mission control didn't like to do

1274

00:56:50,150 --> 00:56:48,240

those because with the radar fell they

1275

00:56:51,670 --> 00:56:50,160

had no information so it's like watching

1276

00:56:53,030 --> 00:56:51,680

paint dry for the last

1277

00:56:54,549 --> 00:56:53,040

50 minutes of the rendezvous and the

1278

00:56:56,630 --> 00:56:54,559

crew had all the data on board and

1279

00:56:58,069 --> 00:56:56,640

looked out the window to do it

1280

00:56:59,430 --> 00:56:58,079

but brian felt that he and the crew

1281

00:57:00,390 --> 00:56:59,440

needed just a little sharpening in that

1282

00:57:02,069 --> 00:57:00,400

area

1283

00:57:04,789 --> 00:57:02,079

again i think he was a little prescient

1284

00:57:06,390 --> 00:57:04,799

because sure enough on sts 92 during the

1285

00:57:09,510 --> 00:57:06,400

rendezvous with the international space

1286

00:57:11,750 --> 00:57:09,520

station carrying the z1 truss and pma3

1287

00:57:12,710 --> 00:57:11,760

two very critical payloads the radar

1288

00:57:15,670 --> 00:57:12,720

failed

1289

00:57:17,270 --> 00:57:15,680

and brian had to execute the first ever

1290

00:57:19,270 --> 00:57:17,280

non-radar rendezvous in the space

1291

00:57:21,510 --> 00:57:19,280

shuttle program

1292

00:57:23,030 --> 00:57:21,520

well they were trained right they had

1293

00:57:25,430 --> 00:57:23,040

sharpened their skills just before they

1294

00:57:27,829 --> 00:57:25,440

went up right so no problem of course

1295

00:57:30,309 --> 00:57:27,839

the ground is seeing nothing because the

1296

00:57:32,710 --> 00:57:30,319

radar turned off but brian's flying it

1297

00:57:33,990 --> 00:57:32,720

they do their burns and it's night and

1298

00:57:36,150 --> 00:57:34,000

they're coming into the portion of the

1299

00:57:37,109 --> 00:57:36,160

rendezvous where ryan floats back to the

1300

00:57:38,470 --> 00:57:37,119

back

1301
00:57:40,069 --> 00:57:38,480
station on the

1302
00:57:41,510 --> 00:57:40,079
shuttle flight deck and is looking

1303
00:57:43,670 --> 00:57:41,520
through the optical sight out the

1304
00:57:45,349 --> 00:57:43,680
overhead window as the sun rises

1305
00:57:48,150 --> 00:57:45,359
expecting to see the space station

1306
00:57:49,670 --> 00:57:48,160
somewhere in the vicinity of the site

1307
00:57:50,870 --> 00:57:49,680
not only is it nowhere in the vicinity

1308
00:57:52,630 --> 00:57:50,880
of the site

1309
00:57:53,829 --> 00:57:52,640
it's not even in the window

1310
00:57:55,030 --> 00:57:53,839
so you imagine you're looking up there

1311
00:57:56,309 --> 00:57:55,040
going

1312
00:57:57,990 --> 00:57:56,319
this isn't how it worked in the

1313
00:57:59,829 --> 00:57:58,000

simulator

1314

00:58:00,950 --> 00:57:59,839

and he told me he paused for a moment

1315

00:58:02,230 --> 00:58:00,960

like

1316

00:58:04,470 --> 00:58:02,240

where is it

1317

00:58:07,030 --> 00:58:04,480

and then someone said look and out

1318

00:58:09,750 --> 00:58:07,040

across the payload bale they behind the

1319

00:58:12,630 --> 00:58:09,760

tail of the shuttle just above the ompo

1320

00:58:14,470 --> 00:58:12,640

ohms pods was the space station

1321

00:58:17,109 --> 00:58:14,480

now there's no procedures to recover

1322

00:58:18,950 --> 00:58:17,119

from this position folks i mean there

1323

00:58:21,109 --> 00:58:18,960

you don't know exactly where you are at

1324

00:58:23,750 --> 00:58:21,119

this point or your trajectory

1325

00:58:25,510 --> 00:58:23,760

and brian duffy the best bfm pilot basic

1326

00:58:28,230 --> 00:58:25,520

fighter maneuver pilot i ever flew with

1327

00:58:30,069 --> 00:58:28,240

in the f-15 put all those skills and his

1328

00:58:32,069 --> 00:58:30,079

mathematic skills and his understanding

1329

00:58:34,069 --> 00:58:32,079

of orbital mechanics to use at that

1330

00:58:35,829 --> 00:58:34,079

moment i said what'd you do brian he

1331

00:58:39,109 --> 00:58:35,839

says i leaned on that translational hand

1332

00:58:40,470 --> 00:58:39,119

controller like you wouldn't believe it

1333

00:58:42,150 --> 00:58:40,480

he said mcdivot may have found the

1334

00:58:43,750 --> 00:58:42,160

mcdivit quadrant but i was going to test

1335

00:58:45,270 --> 00:58:43,760

it one more time

1336

00:58:46,870 --> 00:58:45,280

and he thrust toward this thing all

1337

00:58:48,069 --> 00:58:46,880

the ground could see was the fuel going

1338

00:58:49,190 --> 00:58:48,079

away

1339

00:58:50,789 --> 00:58:49,200

that's all they could see they didn't

1340

00:58:52,309 --> 00:58:50,799

know where the station was and the

1341

00:58:54,470 --> 00:58:52,319

shuttle relative to it they were just

1342

00:58:56,630 --> 00:58:54,480

watching the gauges go down

1343

00:58:58,789 --> 00:58:56,640

but when the rendezvous was complete

1344

00:59:00,390 --> 00:58:58,799

it turned out brian had used exactly the

1345

00:59:03,109 --> 00:59:00,400

amount of fuel programmed because the

1346

00:59:05,109 --> 00:59:03,119

correction he put in put him in a final

1347

00:59:07,990 --> 00:59:05,119

terminal approach that required no fuel

1348

00:59:09,829 --> 00:59:08,000

at all to complete the rendezvous

1349

00:59:11,510 --> 00:59:09,839

this is kind of guy that brian is and

1350

00:59:13,109 --> 00:59:11,520

the reason you've never heard that story

1351

00:59:14,870 --> 00:59:13,119

is because brian doesn't tell stories

1352

00:59:18,390 --> 00:59:14,880

about himself

1353

00:59:20,630 --> 00:59:18,400

he's a quiet unassuming leader

1354

00:59:23,270 --> 00:59:20,640

who does exceptional at everything that

1355

00:59:26,069 --> 00:59:24,950

i call him an out of the limelight

1356

00:59:28,150 --> 00:59:26,079

leader

1357

00:59:29,910 --> 00:59:28,160

an out of the line like person who

1358

00:59:31,910 --> 00:59:29,920

pursues excellence

1359

00:59:34,549 --> 00:59:31,920

and out of the limelight person who does

1360

00:59:36,309 --> 00:59:34,559

nothing but his duty

1361

00:59:37,270 --> 00:59:36,319

which he can never ask be asked to do

1362

00:59:40,630 --> 00:59:37,280

more of

1363

00:59:42,470 --> 00:59:40,640

and always always with good humor

1364

00:59:45,030 --> 00:59:42,480

he was late to the space business he

1365

00:59:46,789 --> 00:59:45,040

didn't know it was his destiny

1366

00:59:49,030 --> 00:59:46,799

but he woke up one day and found himself

1367

00:59:51,270 --> 00:59:49,040

at nasa and he never left the space

1368

00:59:52,789 --> 00:59:51,280

business even after leaving nasa he

1369

00:59:54,390 --> 00:59:52,799

stayed actively involved in

1370

00:59:57,430 --> 00:59:54,400

participating with lockheed martin and

1371

01:00:00,069 --> 00:59:57,440

now orbital atk to make sure there is a

1372

01:00:01,990 --> 01:00:00,079

future for this country in human space

1373

01:00:04,470 --> 01:00:02,000

flight

1374

01:00:06,069 --> 01:00:04,480

ladies and gentlemen

1375

01:00:07,990 --> 01:00:06,079

it's good thing it's a good thing when

1376

01:00:09,589 --> 01:00:08,000

good things happen to good people and a

1377

01:00:10,549 --> 01:00:09,599

good thing is happening today to brian

1378

01:00:12,630 --> 01:00:10,559

duffy

1379

01:00:14,950 --> 01:00:12,640

it's my pleasure to present

1380

01:00:16,789 --> 01:00:14,960

colonel brian duffy for induction into

1381

01:00:54,829 --> 01:00:16,799

the air force hall of fame

1382

01:01:00,549 --> 01:00:56,390

wow

1383

01:01:00,559 --> 01:01:03,829

um

1384

01:01:07,270 --> 01:01:05,829

i've only had about six months to get

1385

01:01:09,990 --> 01:01:07,280

ready for this

1386

01:01:11,990 --> 01:01:10,000

today since i found out about

1387

01:01:14,630 --> 01:01:12,000

from a phone call from dan

1388

01:01:16,069 --> 01:01:14,640

um before christmas so it was like

1389

01:01:18,069 --> 01:01:16,079

kind of the nicest christmas present i

1390

01:01:20,789 --> 01:01:18,079

could have could have received

1391

01:01:21,990 --> 01:01:20,799

except it came with a sketch as all

1392

01:01:23,589 --> 01:01:22,000

things do and dan said well you can't

1393

01:01:26,630 --> 01:01:23,599

tell anybody

1394

01:01:29,270 --> 01:01:27,510

so

1395

01:01:30,950 --> 01:01:29,280

you know i'm used to uh on space

1396

01:01:31,910 --> 01:01:30,960

missions you usually you train for about

1397

01:01:34,150 --> 01:01:31,920

a year

1398

01:01:35,750 --> 01:01:34,160

before before you go fly when you're

1399

01:01:38,390 --> 01:01:35,760

with your crew

1400

01:01:40,630 --> 01:01:38,400

and um so i haven't had a year

1401

01:01:42,309 --> 01:01:40,640

to do this i'm not not quite as prepared

1402

01:01:43,030 --> 01:01:42,319

as maybe as i would be six months from

1403

01:01:45,430 --> 01:01:43,040

now

1404

01:01:52,470 --> 01:01:46,870

uh

1405

01:01:54,950 --> 01:01:52,480

characterized um

1406

01:01:56,950 --> 01:01:54,960

my growing up in my life thank you for

1407

01:01:57,829 --> 01:01:56,960

doing that chili that that was great i

1408

01:01:59,270 --> 01:01:57,839

know

1409

01:02:01,029 --> 01:01:59,280

for those of you that were at the gala

1410

01:02:02,230 --> 01:02:01,039

last night we talked a lot more about

1411

01:02:04,470 --> 01:02:02,240

family

1412

01:02:07,109 --> 01:02:04,480

there and kevin the connection that

1413

01:02:08,630 --> 01:02:07,119

kevin and my families have which is

1414

01:02:10,870 --> 01:02:08,640

very very strong and that's something

1415

01:02:12,470 --> 01:02:10,880

that we value very much kevin

1416

01:02:17,510 --> 01:02:12,480

so

1417

01:02:19,270 --> 01:02:17,520

it's truly an amazing day for uh

1418

01:02:21,109 --> 01:02:19,280

you know a young boy that's growing up

1419

01:02:22,309 --> 01:02:21,119

and actually the town that i grew up in

1420

01:02:24,710 --> 01:02:22,319

is called

1421

01:02:25,589 --> 01:02:24,720

rockland massachusetts

1422

01:02:31,589 --> 01:02:25,599

and

1423

01:02:33,750 --> 01:02:31,599

get away from some of the things that

1424

01:02:36,309 --> 01:02:33,760

kevin insinuated

1425

01:02:37,990 --> 01:02:36,319

they actually moved out into the burbs

1426

01:02:39,829 --> 01:02:38,000

in this little town of

1427

01:02:41,349 --> 01:02:39,839

rockland which

1428

01:02:42,870 --> 01:02:41,359

is pretty uh

1429

01:02:45,829 --> 01:02:42,880

it's pretty nice place i'll talk a

1430

01:02:49,910 --> 01:02:45,839

little bit more about it

1431

01:02:51,270 --> 01:02:49,920

but growing up in that town i was you

1432

01:02:53,190 --> 01:02:51,280

know

1433

01:02:55,109 --> 01:02:53,200

was makes this a day that i never would

1434

01:02:57,510 --> 01:02:55,119

have dreamed could have happened

1435

01:03:00,309 --> 01:02:57,520

here so

1436

01:03:03,510 --> 01:03:00,319

being here in being introduced by

1437

01:03:06,630 --> 01:03:03,520

a friend of over 35 years a good friend

1438

01:03:08,950 --> 01:03:06,640

um is this is a special event in my life

1439

01:03:10,710 --> 01:03:08,960

in in jan's life

1440

01:03:12,309 --> 01:03:10,720

here and um

1441

01:03:14,829 --> 01:03:12,319

thank you kevin for

1442

01:03:16,950 --> 01:03:14,839

um for being here thank you for for the

1443

01:03:18,390 --> 01:03:16,960

introduction uh when they asked me who

1444

01:03:20,230 --> 01:03:18,400

you'd like to in

1445

01:03:21,990 --> 01:03:20,240

who would you like to introduce you uh

1446

01:03:24,150 --> 01:03:22,000

it took about a a min you know about a

1447

01:03:25,750 --> 01:03:24,160

millisecond for me to say kevin chilton

1448

01:03:28,069 --> 01:03:25,760

to do that just because of our

1449

01:03:29,670 --> 01:03:28,079

friendship and our relationship uh thank

1450

01:03:31,430 --> 01:03:29,680

you for what you what you've done and

1451

01:03:32,870 --> 01:03:31,440

thank you for being here and kathy i

1452

01:03:34,789 --> 01:03:32,880

know you're here thank you for coming

1453

01:03:39,670 --> 01:03:34,799

too so but most of all thanks for your

1454

01:03:44,390 --> 01:03:42,230

uh this it's truly a humbling experience

1455

01:03:46,789 --> 01:03:44,400

uh to be there um

1456

01:03:49,190 --> 01:03:46,799

joining my heroes i'm looking at the the

1457

01:03:51,829 --> 01:03:49,200

front row here these are

1458

01:03:53,670 --> 01:03:51,839

these are the folks that that as i was

1459

01:03:55,589 --> 01:03:53,680

growing up i watched do all of the all

1460

01:03:57,270 --> 01:03:55,599

the great things and and i kind of

1461

01:03:59,109 --> 01:03:57,280

dreamed a little bit about what it might

1462

01:04:01,029 --> 01:03:59,119

be like but never thought i'd ever ever

1463

01:04:04,230 --> 01:04:01,039

have the chance

1464

01:04:05,430 --> 01:04:04,240

but joining you is a is a special treat

1465

01:04:08,470 --> 01:04:05,440

for me

1466

01:04:10,230 --> 01:04:08,480

and um and i'm really happy and proud to

1467

01:04:13,029 --> 01:04:10,240

be joining with

1468

01:04:15,270 --> 01:04:13,039

my my mate scott parazynski

1469

01:04:17,190 --> 01:04:15,280

the fearless astronaut and mountain

1470

01:04:19,589 --> 01:04:17,200

climber that you'll hear hear more about

1471

01:04:22,390 --> 01:04:19,599

here shortly

1472

01:04:23,270 --> 01:04:22,400

uh so scott and my our congratulations

1473

01:04:31,750 --> 01:04:23,280

to you

1474

01:04:34,470 --> 01:04:32,710

um

1475

01:04:36,630 --> 01:04:34,480

you know i want to i want to thank the

1476

01:04:38,829 --> 01:04:36,640

astronaut scholarship foundation and the

1477

01:04:40,630 --> 01:04:38,839

selection committee for

1478

01:04:42,710 --> 01:04:40,640

for uh

1479

01:04:45,029 --> 01:04:42,720

shining this light on us and and

1480

01:04:48,950 --> 01:04:45,039

inviting us to join this incredible um

1481

01:04:53,589 --> 01:04:51,910

it's a it's a genuine honor and it's

1482

01:04:55,750 --> 01:04:53,599

it's beyond a doubt

1483

01:04:58,150 --> 01:04:55,760

the greatest recognition

1484

01:05:00,069 --> 01:04:58,160

of my professional career

1485

01:05:00,950 --> 01:05:00,079

i can't imagine i can't imagine a better

1486

01:05:03,029 --> 01:05:00,960

one

1487

01:05:04,950 --> 01:05:03,039

and in this role i look forward to

1488

01:05:05,990 --> 01:05:04,960

helping forward

1489

01:05:10,150 --> 01:05:06,000

the

1490

01:05:10,870 --> 01:05:10,160

heard it mentioned already at least once

1491

01:05:17,589 --> 01:05:10,880

the

1492

01:05:20,470 --> 01:05:17,599

and

1493

01:05:21,829 --> 01:05:20,480

that role with

1494

01:05:25,589 --> 01:05:21,839

joining the other astronauts and

1495

01:05:29,109 --> 01:05:27,829

and i'd like to extend a big thank you

1496

01:05:31,109 --> 01:05:29,119

also to

1497

01:05:32,549 --> 01:05:31,119

tammy and the astronaut scholarship

1498

01:05:33,910 --> 01:05:32,559

foundation

1499

01:05:35,190 --> 01:05:33,920

her staff

1500

01:05:37,670 --> 01:05:35,200

that is

1501

01:05:39,430 --> 01:05:37,680

has put on not only uh last night's

1502

01:05:40,470 --> 01:05:39,440

event but has taken care of every single

1503

01:05:42,230 --> 01:05:40,480

detail

1504

01:05:45,829 --> 01:05:42,240

for us over the over the weekend which

1505

01:05:48,069 --> 01:05:45,839

is has been absolutely fabulous

1506

01:05:51,510 --> 01:05:48,079

like to thank darren who's here as well

1507

01:05:55,029 --> 01:05:51,520

because as has been mentioned

1508

01:05:56,390 --> 01:05:55,039

this venue is just awesome

1509

01:05:57,190 --> 01:05:56,400

what do folks think about it you like

1510

01:06:04,470 --> 01:05:57,200

this

1511

01:06:08,230 --> 01:06:05,990

so

1512

01:06:09,829 --> 01:06:08,240

every time i come here i like to i go up

1513

01:06:11,910 --> 01:06:09,839

on the top there and i look and hi folks

1514

01:06:13,589 --> 01:06:11,920

up there good good to see you

1515

01:06:15,029 --> 01:06:13,599

i go up there

1516

01:06:16,470 --> 01:06:15,039

from right about there you can see my

1517

01:06:18,309 --> 01:06:16,480

window

1518

01:06:19,829 --> 01:06:18,319

there so i always always like to go up

1519

01:06:22,789 --> 01:06:19,839

and look at my window

1520

01:06:25,109 --> 01:06:22,799

there which is where i looked out the

1521

01:06:26,470 --> 01:06:25,119

um but but this is an amazing

1522

01:06:28,789 --> 01:06:26,480

educational

1523

01:06:29,750 --> 01:06:28,799

event a great place to bring children to

1524

01:06:32,470 --> 01:06:29,760

and

1525

01:06:33,670 --> 01:06:32,480

for all of the folks that are here that

1526

01:06:35,510 --> 01:06:33,680

have brought children thank you for

1527

01:06:37,349 --> 01:06:35,520

doing that because you never know when

1528

01:06:38,309 --> 01:06:37,359

you bring a child to an educational

1529

01:06:40,230 --> 01:06:38,319

venue

1530

01:06:41,430 --> 01:06:40,240

uh where you might expose them to

1531

01:06:43,270 --> 01:06:41,440

something

1532

01:06:44,309 --> 01:06:43,280

that is going to change their life

1533

01:06:45,829 --> 01:06:44,319

forever

1534

01:06:49,670 --> 01:06:45,839

there so thank you for bringing all the

1535

01:06:51,510 --> 01:06:49,680

all the youngsters the future generation

1536

01:06:53,510 --> 01:06:51,520

um and and i

1537

01:06:55,510 --> 01:06:53,520

i love the way you tell the story of

1538

01:06:57,510 --> 01:06:55,520

space exploration here

1539

01:06:59,190 --> 01:06:57,520

you look you look backwards and you look

1540

01:07:00,710 --> 01:06:59,200

forward as well

1541

01:07:02,390 --> 01:07:00,720

there and

1542

01:07:04,309 --> 01:07:02,400

that's an important message so that when

1543

01:07:07,510 --> 01:07:04,319

people from all over the world

1544

01:07:09,910 --> 01:07:07,520

come here to um to to learn about space

1545

01:07:12,789 --> 01:07:09,920

which is what they do

1546

01:07:15,109 --> 01:07:12,799

they leave much smarter and much more

1547

01:07:17,910 --> 01:07:15,119

knowledgeable about it because of the

1548

01:07:27,990 --> 01:07:17,920

way that you're able to tell our story

1549

01:07:31,670 --> 01:07:30,309

so those of you that uh that know me you

1550

01:07:33,029 --> 01:07:31,680

heard kevin talk a little bit about some

1551
01:07:34,870 --> 01:07:33,039
baseball

1552
01:07:36,069 --> 01:07:34,880
uh that are played

1553
01:07:37,990 --> 01:07:36,079
those of you that know me know that i've

1554
01:07:39,910 --> 01:07:38,000
been a lifelong

1555
01:07:42,549 --> 01:07:39,920
baseball fan

1556
01:07:44,309 --> 01:07:42,559
uh growing up i was either playing it or

1557
01:07:45,910 --> 01:07:44,319
practicing you know i was in a game or

1558
01:07:47,829 --> 01:07:45,920
practicing for a game

1559
01:07:50,710 --> 01:07:47,839
something something i loved

1560
01:07:53,109 --> 01:07:50,720
as a child i followed the red sox very

1561
01:07:55,270 --> 01:07:53,119
very carefully some summers i actually

1562
01:07:57,510 --> 01:07:55,280
scored listened on on the transistor

1563
01:07:59,190 --> 01:07:57,520

radio i had

1564

01:08:00,710 --> 01:07:59,200

actually scored every single game for an

1565

01:08:04,309 --> 01:08:00,720

entire summer

1566

01:08:07,670 --> 01:08:05,990

and when the red sox played the yankees

1567

01:08:09,510 --> 01:08:07,680

i really paid attention to it because

1568

01:08:12,950 --> 01:08:09,520

they're just because of the

1569

01:08:14,390 --> 01:08:12,960

because of the rivalry that's there

1570

01:08:16,390 --> 01:08:14,400

so one of the most one of the most

1571

01:08:19,189 --> 01:08:16,400

colorful characters to ever play the

1572

01:08:20,070 --> 01:08:19,199

game was a very famous yankee catcher

1573

01:08:22,630 --> 01:08:20,080

named

1574

01:08:25,749 --> 01:08:22,640

yogi bearer

1575

01:08:28,390 --> 01:08:25,759

and at his 1972

1576

01:08:29,990 --> 01:08:28,400

induction speech at the baseball hall of

1577

01:08:32,070 --> 01:08:30,000

fame

1578

01:08:33,829 --> 01:08:32,080

the very first thing he said in his

1579

01:08:36,390 --> 01:08:33,839

speech was

1580

01:08:38,550 --> 01:08:36,400

i guess the first thing i should do

1581

01:08:47,910 --> 01:08:38,560

is thank everybody who made this day

1582

01:08:51,269 --> 01:08:49,910

yep we lost yogi fairly recently but

1583

01:08:53,910 --> 01:08:51,279

we're going to keep his quotes around

1584

01:08:55,030 --> 01:08:53,920

because they're they'll last forever

1585

01:08:57,990 --> 01:08:55,040

so

1586

01:08:59,910 --> 01:08:58,000

i i would like to do the same

1587

01:09:03,349 --> 01:08:59,920

i would like to thank everyone who made

1588

01:09:07,349 --> 01:09:05,430

you know without putting any words in

1589

01:09:09,669 --> 01:09:07,359

yogi's mouth i think what he was saying

1590

01:09:12,390 --> 01:09:09,679

was that we're all shaped by the people

1591

01:09:13,829 --> 01:09:12,400

who touch us and touch our lives

1592

01:09:15,269 --> 01:09:13,839

and

1593

01:09:17,430 --> 01:09:15,279

certainly no one has

1594

01:09:28,630 --> 01:09:17,440

shaped my life and touched my life more

1595

01:09:31,510 --> 01:09:29,590

so

1596

01:09:33,430 --> 01:09:31,520

she let me drag her all around the world

1597

01:09:35,110 --> 01:09:33,440

you heard chile did a pretty good career

1598

01:09:37,430 --> 01:09:35,120

synopsis there but

1599

01:09:38,470 --> 01:09:37,440

um we moved eight times in the first 10

1600

01:09:40,550 --> 01:09:38,480

years

1601
01:09:41,910 --> 01:09:40,560
that we were married some of it to over

1602
01:09:42,950 --> 01:09:41,920
overseas

1603
01:09:44,789 --> 01:09:42,960
but

1604
01:09:45,910 --> 01:09:44,799
you know she let me chase my dreams to

1605
01:09:47,430 --> 01:09:45,920
fly

1606
01:09:49,030 --> 01:09:47,440
f-15s

1607
01:09:50,149 --> 01:09:49,040
which was a

1608
01:09:52,390 --> 01:09:50,159
hoot

1609
01:09:56,470 --> 01:09:54,310
the um

1610
01:09:57,590 --> 01:09:56,480
and then when the opportunity came up to

1611
01:09:59,590 --> 01:09:57,600
become a

1612
01:10:01,590 --> 01:09:59,600
space shuttle astronaut

1613
01:10:03,189 --> 01:10:01,600

she she fully supported it i told a

1614

01:10:05,510 --> 01:10:03,199

story last night

1615

01:10:08,229 --> 01:10:05,520

about how when when i got the call

1616

01:10:09,830 --> 01:10:08,239

um i called back uh called jan at home

1617

01:10:11,430 --> 01:10:09,840

and our and our children at the time

1618

01:10:12,310 --> 01:10:11,440

sean and shannon were two and four and

1619

01:10:15,750 --> 01:10:12,320

they were

1620

01:10:17,270 --> 01:10:15,760

jan had him on the counter

1621

01:10:25,910 --> 01:10:17,280

and

1622

01:10:27,189 --> 01:10:25,920

to be an astronaut daddy's going to be

1623

01:10:30,630 --> 01:10:27,199

an astronaut

1624

01:10:32,550 --> 01:10:30,640

and the kids got excited along with her

1625

01:10:34,709 --> 01:10:32,560

and then after a couple of cycles of

1626

01:10:40,790 --> 01:10:34,719

that sean goes

1627

01:10:45,189 --> 01:10:42,950

but with all the support i've gotten so

1628

01:10:47,910 --> 01:10:45,199

so jan says she was happy that i got the

1629

01:10:50,149 --> 01:10:47,920

chance to again chase chase a dream and

1630

01:10:51,510 --> 01:10:50,159

and have it come true

1631

01:10:54,550 --> 01:10:51,520

and

1632

01:10:56,790 --> 01:10:54,560

it was just an amazing thing to have the

1633

01:10:58,390 --> 01:10:56,800

best seat in the house

1634

01:10:59,830 --> 01:10:58,400

riding on a space shuttle

1635

01:11:00,790 --> 01:10:59,840

while she had the worst seat in the

1636

01:11:03,110 --> 01:11:00,800

house

1637

01:11:04,870 --> 01:11:03,120

standing three miles away

1638

01:11:06,630 --> 01:11:04,880

uh on the roof of the launch control

1639

01:11:09,350 --> 01:11:06,640

center watching us leave town on a

1640

01:11:11,110 --> 01:11:09,360

thousand feet of fire

1641

01:11:14,229 --> 01:11:11,120

so but thank you honey i can't thank you

1642

01:11:18,070 --> 01:11:16,229

let's see sean and shannon i want to

1643

01:11:19,110 --> 01:11:18,080

thank you as well

1644

01:11:20,390 --> 01:11:19,120

um

1645

01:11:22,790 --> 01:11:20,400

for

1646

01:11:23,990 --> 01:11:22,800

putting up with my absences when we were

1647

01:11:26,070 --> 01:11:24,000

gone and

1648

01:11:27,110 --> 01:11:26,080

thanks for giving mom and me the support

1649

01:11:28,550 --> 01:11:27,120

that you did

1650

01:11:29,910 --> 01:11:28,560

throughout the years

1651

01:11:32,229 --> 01:11:29,920

when it was kind of funny we were on the

1652

01:11:34,709 --> 01:11:32,239

bus driving out here today and sean and

1653

01:11:36,149 --> 01:11:34,719

i were sitting in the back

1654

01:11:38,229 --> 01:11:36,159

and he goes you know this is kind of

1655

01:11:40,550 --> 01:11:38,239

different

1656

01:11:43,669 --> 01:11:40,560

we're we're driving out to the kennedy

1657

01:11:50,870 --> 01:11:43,679

space center on a on a bus

1658

01:11:55,430 --> 01:11:52,470

so

1659

01:11:57,590 --> 01:11:55,440

i wasn't exactly known for going on time

1660

01:11:58,470 --> 01:11:57,600

every time in fact on my last flight we

1661

01:12:01,189 --> 01:11:58,480

tried

1662

01:12:03,510 --> 01:12:01,199

um my pilot is here by the way pam pam

1663

01:12:07,110 --> 01:12:03,520

how many times did we try

1664

01:12:08,550 --> 01:12:07,120

five three we we loaded up three times

1665

01:12:11,110 --> 01:12:08,560

yeah

1666

01:12:13,270 --> 01:12:11,120

so any let's let's just call it a

1667

01:12:14,310 --> 01:12:13,280

handful of times that we that we were

1668

01:12:17,590 --> 01:12:14,320

trying to go

1669

01:12:30,149 --> 01:12:17,600

uh it took it took long enough

1670

01:12:34,149 --> 01:12:32,390

and now she and shannon and husband

1671

01:12:35,510 --> 01:12:34,159

thomas and i don't know if they're where

1672

01:12:37,110 --> 01:12:35,520

they are they

1673

01:12:38,390 --> 01:12:37,120

are they're right they're here i just

1674

01:12:40,550 --> 01:12:38,400

saw him earlier but they've given us

1675

01:12:42,550 --> 01:12:40,560

three beautiful grandchildren

1676

01:12:43,669 --> 01:12:42,560

who are roaming around here

1677

01:12:46,070 --> 01:12:43,679

um

1678

01:12:48,310 --> 01:12:46,080

little scarlet little audrey and ten

1679

01:12:49,189 --> 01:12:48,320

month old nolan

1680

01:12:50,790 --> 01:12:49,199

so

1681

01:12:51,910 --> 01:12:50,800

nothing more important to me than my

1682

01:12:53,350 --> 01:12:51,920

family

1683

01:12:54,709 --> 01:12:53,360

and

1684

01:12:59,270 --> 01:12:54,719

you know i can't thank you all for the

1685

01:13:02,550 --> 01:13:00,950

um you know i feel so blessed to have

1686

01:13:04,709 --> 01:13:02,560

been born

1687

01:13:07,350 --> 01:13:04,719

when and where i was

1688

01:13:08,630 --> 01:13:07,360

uh i was born into a large and loving

1689

01:13:12,149 --> 01:13:08,640

family

1690

01:13:14,149 --> 01:13:12,159

and grew up in what turned out to be a

1691

01:13:15,430 --> 01:13:14,159

friendly a child-friendly

1692

01:13:17,270 --> 01:13:15,440

and generous

1693

01:13:19,990 --> 01:13:17,280

small town

1694

01:13:22,470 --> 01:13:20,000

my parents are no longer here

1695

01:13:24,790 --> 01:13:22,480

but the love and the lessons that they

1696

01:13:27,030 --> 01:13:24,800

they taught to um

1697

01:13:27,990 --> 01:13:27,040

me my sisters diane and claire who are

1698

01:13:36,870 --> 01:13:28,000

here

1699

01:13:38,229 --> 01:13:36,880

the lessons that we learned um

1700

01:13:40,709 --> 01:13:38,239

you know we

1701

01:13:42,870 --> 01:13:40,719

still have so while we remember mom and

1702

01:13:44,390 --> 01:13:42,880

dad for everything they gave us

1703

01:13:48,149 --> 01:13:44,400

and we're happy for the lessons that

1704

01:13:52,950 --> 01:13:50,470

i learned about hard work and

1705

01:13:55,910 --> 01:13:52,960

caring for a family by watching my dad

1706

01:13:58,630 --> 01:13:55,920

work two and sometimes three jobs

1707

01:14:01,350 --> 01:13:58,640

to provide the best that he could for us

1708

01:14:02,550 --> 01:14:01,360

my older brother dan was a was a down

1709

01:14:05,910 --> 01:14:02,560

syndrome

1710

01:14:05,920 --> 01:14:10,470

and the jobs that my father was working

1711

01:14:14,149 --> 01:14:12,470

provided dan with the level of care that

1712

01:14:18,630 --> 01:14:14,159

the wealthiest families in the country

1713

01:14:22,790 --> 01:14:20,630

so we weren't wealthy but we didn't know

1714

01:14:24,229 --> 01:14:22,800

it

1715

01:14:27,750 --> 01:14:24,239

didn't matter to tell you the truth

1716

01:14:29,830 --> 01:14:27,760

because we were raised in a very loving

1717

01:14:32,229 --> 01:14:29,840

environment

1718

01:14:35,750 --> 01:14:33,590

we didn't need we had everything we

1719

01:14:37,910 --> 01:14:35,760

needed we didn't need anything more than

1720

01:14:40,310 --> 01:14:37,920

that

1721

01:14:43,990 --> 01:14:40,320

my mom was the the glue for the family

1722

01:14:45,990 --> 01:14:44,000

as a lot of irish mothers are

1723

01:14:49,110 --> 01:14:46,000

she lovingly

1724

01:14:49,120 --> 01:14:54,070

and made sure that we followed them

1725

01:14:59,350 --> 01:14:56,390

she also encouraged us to uh strive to

1726

01:15:00,950 --> 01:14:59,360

do our best with our god-given talents

1727

01:15:04,470 --> 01:15:00,960

and abilities so that was a lesson that

1728

01:15:09,510 --> 01:15:06,390

so thank you mom and dad

1729

01:15:11,669 --> 01:15:09,520

for all that you did for

1730

01:15:13,590 --> 01:15:11,679

uh us family's been important to us as

1731

01:15:16,390 --> 01:15:13,600

well and and they're they're they are

1732

01:15:18,310 --> 01:15:16,400

here today uh her dad jack helms and pat

1733

01:15:20,070 --> 01:15:18,320

there jack sitting over here next to my

1734

01:15:21,669 --> 01:15:20,080

my brother tim standing

1735

01:15:24,149 --> 01:15:21,679

standing and

1736

01:15:25,669 --> 01:15:24,159

uh jack and his wife patty are here and

1737

01:15:27,189 --> 01:15:25,679

jack i can't thank you enough either

1738

01:15:29,510 --> 01:15:27,199

over the years you've given me some

1739

01:15:32,149 --> 01:15:29,520

fabulous advice and counsel

1740

01:15:34,070 --> 01:15:32,159

um you've helped us a lot it's helped

1741

01:15:36,870 --> 01:15:34,080

it's paid off and so thank you thank you

1742

01:15:38,630 --> 01:15:36,880

very much and as far as like the golf

1743

01:15:41,189 --> 01:15:38,640

swing tips go

1744

01:15:43,830 --> 01:15:41,199

i i need a few more so keep them keep

1745

01:15:45,669 --> 01:15:43,840

them coming my game's falling apart

1746

01:15:48,950 --> 01:15:45,679

um

1747

01:15:50,310 --> 01:15:48,960

chance sisters are here as well judy

1748

01:15:53,030 --> 01:15:50,320

joni and jackie and i don't know where

1749

01:15:54,550 --> 01:15:53,040

they're sitting but they're nearby so

1750

01:15:56,950 --> 01:15:54,560

um they're they're here they're here

1751

01:15:59,350 --> 01:15:56,960

they're right in front of me um

1752

01:16:01,910 --> 01:15:59,360

and and their husbands and friends and

1753

01:16:03,830 --> 01:16:01,920

family are all here as well and they've

1754

01:16:05,750 --> 01:16:03,840

been done nothing but supportive to jan

1755

01:16:07,910 --> 01:16:05,760

and me and our family over the years and

1756

01:16:10,310 --> 01:16:07,920

we thank thank you for that we love all

1757

01:16:11,830 --> 01:16:10,320

you guys

1758

01:16:13,990 --> 01:16:11,840

so growing up in that small town in

1759

01:16:16,149 --> 01:16:14,000

rockland massachusetts was actually a

1760

01:16:18,870 --> 01:16:16,159

pretty lucky thing although what it

1761

01:16:20,550 --> 01:16:18,880

meant was the space program was was a

1762

01:16:21,990 --> 01:16:20,560

long way away it was a thousand miles

1763

01:16:24,229 --> 01:16:22,000

away but the best thing that was going

1764

01:16:25,510 --> 01:16:24,239

on in those days the early days of the

1765

01:16:27,910 --> 01:16:25,520

space program was they covered those

1766

01:16:30,550 --> 01:16:27,920

missions on television really well

1767

01:16:31,590 --> 01:16:30,560

so i was able to watch every launch that

1768

01:16:33,270 --> 01:16:31,600

i could

1769

01:16:34,390 --> 01:16:33,280

and um

1770

01:16:37,189 --> 01:16:34,400

and

1771

01:16:39,189 --> 01:16:37,199

was very interested in what was going on

1772

01:16:44,390 --> 01:16:39,199

but as kevin mentioned uh you know i

1773

01:16:51,590 --> 01:16:48,790

i like fact i clearly remember my first

1774

01:16:54,149 --> 01:16:51,600

experience with space is i was a paper

1775

01:16:56,550 --> 01:16:54,159

boy most of my young

1776

01:16:59,590 --> 01:16:56,560

young growing up days where i delivered

1777

01:17:02,149 --> 01:16:59,600

daily papers there and i remember

1778

01:17:02,950 --> 01:17:02,159

a cold winter day

1779

01:17:05,189 --> 01:17:02,960

right

1780

01:17:07,510 --> 01:17:05,199

after sunset

1781

01:17:09,510 --> 01:17:07,520

very it was a very clear sky

1782

01:17:12,229 --> 01:17:09,520

and i looked up and i saw my first

1783

01:17:13,910 --> 01:17:12,239

satellite a polar satellite going from

1784

01:17:15,189 --> 01:17:13,920

north to south right

1785

01:17:16,630 --> 01:17:15,199

from where i was standing it was going

1786

01:17:18,950 --> 01:17:16,640

from right to left

1787

01:17:20,790 --> 01:17:18,960

big bright shiny

1788

01:17:23,030 --> 01:17:20,800

object that was that i knew i didn't

1789

01:17:25,189 --> 01:17:23,040

know if it was russian or american

1790

01:17:26,709 --> 01:17:25,199

but i knew it was not an airliner and i

1791

01:17:28,870 --> 01:17:26,719

knew it was in space because of the

1792

01:17:31,350 --> 01:17:28,880

speed at which it was moving and so that

1793

01:17:33,270 --> 01:17:31,360

was the first time where

1794

01:17:35,030 --> 01:17:33,280

seeing space and thinking well you can

1795

01:17:36,950 --> 01:17:35,040

put things in space and do things with

1796

01:17:39,510 --> 01:17:36,960

it that's the first time it hit me

1797

01:17:41,830 --> 01:17:39,520

as a as a child to do that so

1798

01:17:47,350 --> 01:17:41,840

so i remember very clearly

1799

01:17:50,390 --> 01:17:49,030

another lucky thing about growing up in

1800

01:17:52,310 --> 01:17:50,400

that town

1801

01:17:55,270 --> 01:17:52,320

was that the people were really generous

1802

01:17:56,470 --> 01:17:55,280

in fact they went and hired a calculus

1803

01:17:58,470 --> 01:17:56,480

teacher

1804

01:18:00,149 --> 01:17:58,480

to come teach the class to three

1805

01:18:01,910 --> 01:18:00,159

students

1806

01:18:03,590 --> 01:18:01,920

they're at rockland high school how many

1807

01:18:05,830 --> 01:18:03,600

schools would do that nowadays you know

1808

01:18:08,070 --> 01:18:05,840

so they hired a teacher to teach this

1809

01:18:09,030 --> 01:18:08,080

a course to three students

1810

01:18:11,430 --> 01:18:09,040

and

1811

01:18:12,390 --> 01:18:11,440

i attribute that um

1812

01:18:14,709 --> 01:18:12,400

to

1813

01:18:16,550 --> 01:18:14,719

uh why i majored in mathematics at the

1814

01:18:17,910 --> 01:18:16,560

air force academy and then having

1815

01:18:20,070 --> 01:18:17,920

majored in that

1816

01:18:22,149 --> 01:18:20,080

that subject enabled a lot of the other

1817

01:18:25,110 --> 01:18:22,159

things that happened in my career so so

1818

01:18:27,990 --> 01:18:25,120

if you go from a to z um

1819

01:18:28,870 --> 01:18:28,000

you know a good way to attribute that is

1820

01:18:31,110 --> 01:18:28,880

to

1821

01:18:33,110 --> 01:18:31,120

uh the people of rockland massachusetts

1822

01:18:35,669 --> 01:18:33,120

and the fact that they were willing to

1823

01:18:37,669 --> 01:18:35,679

to do that so i'm i'm very thankful to

1824

01:18:40,229 --> 01:18:37,679

the to the town that did that in those

1825

01:18:41,750 --> 01:18:40,239

days

1826

01:18:43,270 --> 01:18:41,760

so the human space program has always

1827

01:18:44,709 --> 01:18:43,280

been kind of on my radar i've been

1828

01:18:48,350 --> 01:18:44,719

watching it

1829

01:18:51,510 --> 01:18:48,360

jan and i in the summer of uh

1830

01:18:53,030 --> 01:18:51,520

1975 came over to watch the apollo soyuz

1831

01:18:54,790 --> 01:18:53,040

test project launch and vance was

1832

01:18:56,790 --> 01:18:54,800

sitting right here in front of me

1833

01:18:58,630 --> 01:18:56,800

and we were on the causeway out here

1834

01:19:00,709 --> 01:18:58,640

sitting sitting there watching looking

1835

01:19:02,229 --> 01:19:00,719

across the water at the saturn vehicle

1836

01:19:03,990 --> 01:19:02,239

that was on the pad

1837

01:19:05,750 --> 01:19:04,000

out there we were wondering

1838

01:19:07,430 --> 01:19:05,760

what was going on through your mind

1839

01:19:08,630 --> 01:19:07,440

there is the we heard the crew getting

1840

01:19:09,990 --> 01:19:08,640

loaded in

1841

01:19:11,590 --> 01:19:10,000

and and

1842

01:19:12,950 --> 01:19:11,600

and jan and i talked about

1843

01:19:15,030 --> 01:19:12,960

you know what are they thinking what are

1844

01:19:17,110 --> 01:19:15,040

they feeling out there well little did

1845

01:19:20,550 --> 01:19:17,120

we know that years later and not many

1846

01:19:24,870 --> 01:19:22,870

vance and bev would be good friends of

1847

01:19:26,550 --> 01:19:24,880

ours would live in the same neighborhood

1848

01:19:29,110 --> 01:19:26,560

uh bev would be

1849

01:19:31,750 --> 01:19:29,120

sean's cub scout den mother

1850

01:19:33,430 --> 01:19:31,760

and um and their son eric would be

1851

01:19:38,310 --> 01:19:33,440

sean's good buddy

1852

01:19:42,630 --> 01:19:40,229

you know i know that the successes that

1853

01:19:43,910 --> 01:19:42,640

i was able to experience

1854

01:19:46,070 --> 01:19:43,920

in the shuttle program would not have

1855

01:19:48,070 --> 01:19:46,080

happened without the

1856

01:19:49,750 --> 01:19:48,080

you know the absolute commitment of tens

1857

01:19:54,950 --> 01:19:49,760

of thousands of people

1858

01:19:59,189 --> 01:19:56,310

you know those put those people

1859

01:20:00,950 --> 01:19:59,199

somewhere in dc inside the beltway doing

1860

01:20:02,950 --> 01:20:00,960

the things that you have to do

1861

01:20:04,630 --> 01:20:02,960

inside the beltway to make sure that the

1862

01:20:05,750 --> 01:20:04,640

workforce has the resources that it

1863

01:20:07,189 --> 01:20:05,760

needs

1864

01:20:09,270 --> 01:20:07,199

some of the people were in project

1865

01:20:11,430 --> 01:20:09,280

offices and program offices

1866

01:20:12,870 --> 01:20:11,440

spread around the country

1867

01:20:14,550 --> 01:20:12,880

some were building

1868

01:20:16,390 --> 01:20:14,560

you know flight hardware

1869

01:20:21,110 --> 01:20:16,400

for us

1870

01:20:24,229 --> 01:20:21,120

the training crew in houston was getting

1871

01:20:26,870 --> 01:20:24,239

both the astronaut crew and the ops team

1872

01:20:28,790 --> 01:20:26,880

ready to ready to go

1873

01:20:31,030 --> 01:20:28,800

but at least from my perspective all of

1874

01:20:34,070 --> 01:20:31,040

that comes together and came together

1875

01:20:35,750 --> 01:20:34,080

right here at the kennedy space center

1876

01:20:38,390 --> 01:20:35,760

and by spending a lot of time here over

1877

01:20:40,870 --> 01:20:38,400

the years i've learned just how proud

1878

01:20:45,030 --> 01:20:40,880

the ksc workforce was of their orbiter

1879

01:20:50,709 --> 01:20:46,870

also how much of their lives they

1880

01:20:52,629 --> 01:20:50,719

dedicated uh to to those orbiters and

1881

01:20:55,189 --> 01:20:52,639

and as astronauts we actually felt that

1882

01:20:57,270 --> 01:20:55,199

when we when we flew the missions

1883

01:20:58,870 --> 01:20:57,280

um we were just being loaned though

1884

01:21:00,870 --> 01:20:58,880

orbiters

1885

01:21:02,390 --> 01:21:00,880

and um

1886

01:21:05,110 --> 01:21:02,400

we were supposed to bring it back in

1887

01:21:06,629 --> 01:21:05,120

really good shape or else

1888

01:21:09,030 --> 01:21:06,639

and

1889

01:21:11,990 --> 01:21:09,040

um so it was in a way when they let us

1890

01:21:14,550 --> 01:21:12,000

go fly these beautiful machines

1891

01:21:19,189 --> 01:21:14,560

uh it was rather like a father

1892

01:21:22,070 --> 01:21:20,550

um

1893

01:21:24,070 --> 01:21:22,080

and you know over the course of a

1894

01:21:26,070 --> 01:21:24,080

two-week mission and i remember

1895

01:21:27,590 --> 01:21:26,080

charlie saying saying okay we're going

1896

01:21:28,629 --> 01:21:27,600

to clean this thing up before we bring

1897

01:21:30,070 --> 01:21:28,639

her home

1898

01:21:31,669 --> 01:21:30,080

the over the course of a two-week

1899

01:21:33,030 --> 01:21:31,679

mission the inside of the vehicle with

1900

01:21:34,390 --> 01:21:33,040

seven people living in it will get a

1901

01:21:36,550 --> 01:21:34,400

little bit dirty

1902

01:21:38,390 --> 01:21:36,560

there's you know food particles escape

1903

01:21:41,430 --> 01:21:38,400

sometimes and they're stick to the wall

1904

01:21:44,149 --> 01:21:41,440

and uh the occasional drop of a drink

1905

01:21:45,910 --> 01:21:44,159

that has has escaped from a straw

1906

01:21:47,030 --> 01:21:45,920

and then there's every once in a while

1907

01:21:50,709 --> 01:21:47,040

there's a

1908

01:21:53,030 --> 01:21:50,719

fruit punch explosion

1909

01:21:54,070 --> 01:21:53,040

and trying to clean up a big red mess is

1910

01:21:56,550 --> 01:21:54,080

uh

1911

01:21:59,110 --> 01:21:56,560

takes a lot of towels but usually on the

1912

01:22:00,950 --> 01:21:59,120

day before entry we would uh we would

1913

01:22:03,590 --> 01:22:00,960

grab a wet towel everybody would take a

1914

01:22:05,430 --> 01:22:03,600

wall or ceiling and we would just wipe

1915

01:22:07,750 --> 01:22:05,440

that orbiter as clean as we could get it

1916

01:22:09,910 --> 01:22:07,760

to try to bring it back because

1917

01:22:12,950 --> 01:22:09,920

the ksc folks have given us this perfect

1918

01:22:14,470 --> 01:22:12,960

clean beautiful machine and we didn't

1919

01:22:22,550 --> 01:22:14,480

want them to think that we had really

1920

01:22:27,350 --> 01:22:25,430

so i'd like to thank the um the

1921

01:22:30,070 --> 01:22:27,360

the astronauts who went before us that's

1922

01:22:32,390 --> 01:22:30,080

that set us set the bar so high for us

1923

01:22:33,030 --> 01:22:32,400

to to try to achieve try to try to reach

1924

01:22:37,669 --> 01:22:33,040

it

1925

01:22:40,229 --> 01:22:37,679

and my other uh shuttle colleagues

1926

01:22:43,990 --> 01:22:40,239

for all of all they did for all of their

1927

01:22:45,990 --> 01:22:44,000

help and teaching and guidance that

1928

01:22:47,510 --> 01:22:46,000

you know you guys all set the set the

1929

01:22:49,669 --> 01:22:47,520

standard for us to try to watch and

1930

01:22:50,870 --> 01:22:49,679

learn from you so i thank you for doing

1931

01:22:53,350 --> 01:22:50,880

that

1932

01:22:55,510 --> 01:22:53,360

so for me this is a day of thanks

1933

01:22:57,990 --> 01:22:55,520

to all who've helped me um but it's also

1934

01:23:00,310 --> 01:22:58,000

a promise of what's to come

1935

01:23:01,830 --> 01:23:00,320

i was the child of what i consider the

1936

01:23:03,430 --> 01:23:01,840

moon generation

1937

01:23:05,510 --> 01:23:03,440

uh many of us

1938

01:23:07,189 --> 01:23:05,520

have and are helping uh lay the

1939

01:23:09,350 --> 01:23:07,199

foundation on the trip to mars that

1940

01:23:11,590 --> 01:23:09,360

charlie talked about

1941

01:23:13,910 --> 01:23:11,600

when i talk with youngsters i i tell

1942

01:23:16,470 --> 01:23:13,920

them that they are part of the mars

1943

01:23:19,990 --> 01:23:16,480

generation they will see it happen and

1944

01:23:21,590 --> 01:23:20,000

if they want they can be a part of it

1945

01:23:23,430 --> 01:23:21,600

the orion spacecraft the vehicle that

1946

01:23:25,189 --> 01:23:23,440

will carry the humans farther than

1947

01:23:26,950 --> 01:23:25,199

they've ever gone before

1948

01:23:29,110 --> 01:23:26,960

has already had an extremely successful

1949

01:23:30,709 --> 01:23:29,120

test flight the second vehicle is being

1950

01:23:31,590 --> 01:23:30,719

built right now in the kennedy space

1951

01:23:33,830 --> 01:23:31,600

center

1952

01:23:36,709 --> 01:23:33,840

and it will launch in about two years on

1953

01:23:38,629 --> 01:23:36,719

this on the space launch system

1954

01:23:41,030 --> 01:23:38,639

that's going to be the nation's

1955

01:23:42,629 --> 01:23:41,040

new heavy lift rocket

1956

01:23:44,070 --> 01:23:42,639

and it's going to take orion and

1957

01:23:46,950 --> 01:23:44,080

astronauts to

1958

01:23:49,270 --> 01:23:46,960

to where they've never been before

1959

01:23:51,990 --> 01:23:49,280

so we're well down the path to um

1960

01:23:53,350 --> 01:23:52,000

continuing human space exploration and

1961

01:23:55,830 --> 01:23:53,360

it's all going to happen right right

1962

01:23:58,070 --> 01:23:55,840

here at the kennedy space center

1963

01:24:00,310 --> 01:23:58,080

to the scholars that are here today

1964

01:24:02,229 --> 01:24:00,320

and those of the future

1965

01:24:03,189 --> 01:24:02,239

human space exploration is alive and

1966

01:24:04,149 --> 01:24:03,199

well

1967

01:24:07,189 --> 01:24:04,159

and

1968

01:24:08,229 --> 01:24:07,199

your dreams

1969

01:24:13,590 --> 01:24:08,239

maybe

1970

01:24:13,600 --> 01:24:16,709

um

1971

01:24:20,310 --> 01:24:17,750

you know your

1972

01:24:22,470 --> 01:24:20,320

the scholars as was was um mentioned are

1973

01:24:23,830 --> 01:24:22,480

just an incredible talent an incredibly

1974

01:24:26,470 --> 01:24:23,840

talented group

1975

01:24:28,229 --> 01:24:26,480

uh and we're actually very happy to hand

1976

01:24:31,189 --> 01:24:28,239

the baton to you

1977

01:24:33,750 --> 01:24:31,199

for you to carry to help make the marsh

1978

01:24:35,350 --> 01:24:33,760

generation successful

1979

01:24:38,149 --> 01:24:35,360

so i guess in wrapping up here i'd like

1980

01:24:39,030 --> 01:24:38,159

to use one more yogism

1981

01:24:41,590 --> 01:24:39,040

and

1982

01:24:46,390 --> 01:24:41,600

he was he said

1983

01:24:49,830 --> 01:24:48,550

i agree

1984

01:24:51,830 --> 01:24:49,840

things are really looking up for the

1985

01:24:53,830 --> 01:24:51,840

space program and for our country and i

1986

01:24:55,430 --> 01:24:53,840

know the astronaut scholars will be

1987

01:24:57,030 --> 01:24:55,440

among the leadership team that will take

1988

01:24:59,510 --> 01:24:57,040

us to mars

1989

01:25:00,629 --> 01:24:59,520

so thank you so much for being here

1990

01:25:24,310 --> 01:25:00,639

today

1991

01:25:28,629 --> 01:25:26,310

congratulations brian and welcome to the

1992

01:25:30,229 --> 01:25:28,639

united states astronaut hall of fame i

1993

01:25:31,669 --> 01:25:30,239

have a question now you guys down in the

1994

01:25:33,189 --> 01:25:31,679

front well you heard what he said didn't

1995

01:25:34,870 --> 01:25:33,199

you he said that

1996

01:25:37,510 --> 01:25:34,880

he grew up

1997

01:25:42,310 --> 01:25:37,520

watching and admiring you guys

1998

01:25:48,470 --> 01:25:43,910

say what what was that

1999

01:25:55,110 --> 01:25:50,470

okay he didn't say it to those guys and

2000

01:26:00,550 --> 01:25:58,310

he will i heard you said

2001

01:26:20,790 --> 01:26:00,560

our next inductee

2002

01:26:20,800 --> 01:26:31,430

mr

2003

01:26:31,440 --> 01:26:41,590

did a great job with the deployment

2004

01:26:41,600 --> 01:26:51,750

and liftoff

2005

01:27:01,830 --> 01:26:53,590

deploying the hand controller for the

2006

01:27:05,990 --> 01:27:03,990

booster ignition and liftoff of

2007

01:27:20,390 --> 01:27:06,000

discovery with a crew of six astronaut

2008

01:27:26,149 --> 01:27:21,990

houston discover got a good grapple

2009

01:27:46,470 --> 01:27:27,910

and liftoff of the space shuttle

2010

01:27:46,480 --> 01:28:02,950

ignition and liftoff of discovery

2011

01:28:08,629 --> 01:28:06,390

luke i'm your father use the horse luke

2012

01:28:11,189 --> 01:28:08,639

that's music for my son luke and uh be

2013

01:28:18,229 --> 01:28:11,199

thinking about him today

2014

01:28:35,830 --> 01:28:20,629

main gear touchdown

2015

01:28:40,830 --> 01:28:38,390

dr scott perezinski was selected as a

2016

01:28:43,750 --> 01:28:40,840

nasa astronaut in march

2017

01:28:46,310 --> 01:28:43,760

1992 and was qualified as a mission

2018

01:28:48,550 --> 01:28:46,320

specialist after training he's a veteran

2019

01:28:52,149 --> 01:28:48,560

of five space flights and racked up

2020

01:28:55,270 --> 01:28:52,159

nearly 1400 hours in space

2021

01:28:58,390 --> 01:28:55,280

he spent 47 of those hours working

2022

01:28:59,669 --> 01:28:58,400

outside the spacecraft during seven

2023

01:29:03,110 --> 01:28:59,679

space walks

2024

01:29:05,750 --> 01:29:03,120

perezinski's first flight was sts-66

2025

01:29:08,149 --> 01:29:05,760

aboard space shuttle atlantis launched

2026

01:29:09,990 --> 01:29:08,159

november 3rd 1994

2027

01:29:12,390 --> 01:29:10,000

the flight included the atlas iii

2028

01:29:14,790 --> 01:29:12,400

payload to further study the interaction

2029

01:29:17,590 --> 01:29:14,800

between earth and the sun

2030

01:29:20,790 --> 01:29:17,600

as well as the space lab pallet

2031

01:29:23,270 --> 01:29:20,800

he flew aboard atlantis again on sts-86

2032

01:29:25,110 --> 01:29:23,280

in september of 1997.

2033

01:29:27,510 --> 01:29:25,120

the mission marked the seventh docking

2034

01:29:29,590 --> 01:29:27,520

with the russian space station mir

2035

01:29:32,709 --> 01:29:29,600

perezinski served as the flight engineer

2036

01:29:34,709 --> 01:29:32,719

on that mission as well as the navigator

2037

01:29:37,189 --> 01:29:34,719

during the mere rendezvous and

2038

01:29:39,590 --> 01:29:37,199

participated in the first u.s and

2039

01:29:40,709 --> 01:29:39,600

russian spacewalk during a shuttle

2040

01:29:43,830 --> 01:29:40,719

mission

2041

01:29:47,350 --> 01:29:43,840

next parazinsky flew on sts 95 in

2042

01:29:49,510 --> 01:29:47,360

october of 1998 alongside an american

2043

01:29:51,510 --> 01:29:49,520

icon john glenn

2044

01:29:53,750 --> 01:29:51,520

as flight engineer perezinski operated

2045

01:29:56,229 --> 01:29:53,760

the shuttle's robotic arm and monitored

2046

01:29:58,870 --> 01:29:56,239

several life science investigations

2047

01:30:00,149 --> 01:29:58,880

including those involving his famous

2048

01:30:03,590 --> 01:30:00,159

crewmate

2049

01:30:06,950 --> 01:30:03,600

he returned to space on sts-100 in april

2050

01:30:09,990 --> 01:30:06,960

of 2001 this time aboard space shuttle

2051
01:30:12,390 --> 01:30:10,000
endeavour parazynski took part in two

2052
01:30:14,790 --> 01:30:12,400
spacewalks playing a key role in the

2053
01:30:18,550 --> 01:30:14,800
configuration of the space station's

2054
01:30:20,790 --> 01:30:18,560
robotic arm canadarm2

2055
01:30:24,070 --> 01:30:20,800
on his final flutter shuttle flight

2056
01:30:27,270 --> 01:30:24,080
sts-120 perezinski ventured outside the

2057
01:30:29,110 --> 01:30:27,280
shuttle space station complex four times

2058
01:30:31,750 --> 01:30:29,120
including an ambitious unplanned

2059
01:30:34,790 --> 01:30:31,760
spacewalk to inspect and repair the

2060
01:30:37,189 --> 01:30:34,800
station's p6 solar array

2061
01:30:38,870 --> 01:30:37,199
perezinski retired from nasa in march of

2062
01:30:40,790 --> 01:30:38,880
1999

2063
01:30:43,990 --> 01:30:40,800

not just to work in privacy and private

2064

01:30:47,030 --> 01:30:44,000

industry but to pursue other exploration

2065

01:30:50,870 --> 01:30:47,040

goals he summited mount everest in may

2066

01:30:51,669 --> 01:30:50,880

of 2009 and became the first person to

2067

01:30:53,270 --> 01:30:51,679

both

2068

01:30:55,830 --> 01:30:53,280

orbit the world

2069

01:30:57,990 --> 01:30:55,840

and stand on top of it

2070

01:31:15,750 --> 01:30:58,000

ladies and gentlemen astronaut scott

2071

01:31:19,110 --> 01:31:17,669

to present scott perezinski for

2072

01:31:21,350 --> 01:31:19,120

induction into the united states

2073

01:31:31,910 --> 01:31:21,360

astronaut hall of fame please welcome

2074

01:31:36,149 --> 01:31:33,830

well thank you it's an honor to be here

2075

01:31:38,709 --> 01:31:36,159

today with two of my favorite people on

2076

01:31:40,950 --> 01:31:38,719

the planet uh on the stage with me

2077

01:31:42,709 --> 01:31:40,960

and now before i get started i just want

2078

01:31:44,390 --> 01:31:42,719

to acknowledge scott's family that's

2079

01:31:46,470 --> 01:31:44,400

here i've gotten to spend some time with

2080

01:31:48,390 --> 01:31:46,480

him his mother and father this weekend

2081

01:31:50,629 --> 01:31:48,400

it's been very special

2082

01:31:53,590 --> 01:31:50,639

it now helps put things in perspective

2083

01:31:56,790 --> 01:31:53,600

kind of on why scott the way he he is

2084

01:32:01,350 --> 01:31:58,870

but his beautiful talented wife minnie

2085

01:32:03,189 --> 01:32:01,360

and then luke uh the skywalker his son

2086

01:32:05,270 --> 01:32:03,199

is here as well and by the way the last

2087

01:32:07,189 --> 01:32:05,280

time i saw luke well he was three and a

2088

01:32:11,350 --> 01:32:07,199

half years old and about this tall

2089

01:32:12,709 --> 01:32:11,360

and today's he's taller than scott

2090

01:32:15,669 --> 01:32:12,719

but

2091

01:32:18,390 --> 01:32:15,679

uh i first met scott in 1992

2092

01:32:20,229 --> 01:32:18,400

we both showed up at nasa a class of 25

2093

01:32:22,149 --> 01:32:20,239

astronaut candidates

2094

01:32:24,149 --> 01:32:22,159

and immediately when you show up in the

2095

01:32:25,430 --> 01:32:24,159

class you start looking around you get

2096

01:32:28,390 --> 01:32:25,440

to meet people

2097

01:32:30,709 --> 01:32:28,400

you make first impressions

2098

01:32:31,590 --> 01:32:30,719

and my first impression with scott was

2099

01:32:33,350 --> 01:32:31,600

wow

2100

01:32:34,470 --> 01:32:33,360

this guy is driven

2101
01:32:35,910 --> 01:32:34,480
capable

2102
01:32:38,550 --> 01:32:35,920
hard-working

2103
01:32:40,229 --> 01:32:38,560
very intelligent

2104
01:32:42,070 --> 01:32:40,239
you know what he's the all-american

2105
01:32:43,750 --> 01:32:42,080
golden boy

2106
01:32:46,070 --> 01:32:43,760
where's kim

2107
01:32:48,470 --> 01:32:46,080
and so the key word there is boy right

2108
01:32:50,390 --> 01:32:48,480
because although he was 32

2109
01:32:52,390 --> 01:32:50,400
he looked like he was half that age

2110
01:32:54,790 --> 01:32:52,400
barely a teenager

2111
01:32:56,870 --> 01:32:54,800
and so also knowing that he was a doctor

2112
01:32:58,950 --> 01:32:56,880
and being a navy fighter pilot we figure

2113
01:33:01,350 --> 01:32:58,960

out how to pick on people

2114

01:33:06,709 --> 01:33:01,360

i immediately dawned on me there was a

2115

01:33:10,790 --> 01:33:08,709

so immediately

2116

01:33:14,149 --> 01:33:10,800

scott became doogie howser and that was

2117

01:33:16,310 --> 01:33:14,159

kind of i was very proud of that

2118

01:33:17,590 --> 01:33:16,320

especially when it turned out because he

2119

01:33:19,750 --> 01:33:17,600

hadn't been around a lot of fighter

2120

01:33:21,669 --> 01:33:19,760

pilots yet in his career he didn't know

2121

01:33:23,350 --> 01:33:21,679

how to take this being called doogie

2122

01:33:24,950 --> 01:33:23,360

hauser and people started shorting it to

2123

01:33:25,910 --> 01:33:24,960

doogie it was just a little bit easier

2124

01:33:28,070 --> 01:33:25,920

to say

2125

01:33:29,669 --> 01:33:28,080

and the fact he was unsure and i don't

2126

01:33:31,830 --> 01:33:29,679

think really particularly like it it

2127

01:33:34,149 --> 01:33:31,840

stuck and uh

2128

01:33:36,870 --> 01:33:34,159

yes but so in our class in our class he

2129

01:33:38,709 --> 01:33:36,880

became doogie

2130

01:33:39,910 --> 01:33:38,719

and i mentioned all-american but if you

2131

01:33:41,990 --> 01:33:39,920

learn a little bit more about his

2132

01:33:44,629 --> 01:33:42,000

background when he was 11

2133

01:33:46,950 --> 01:33:44,639

his folks his father worked for boeing

2134

01:33:48,229 --> 01:33:46,960

decided to travel the world compliments

2135

01:33:49,030 --> 01:33:48,239

of boeing

2136

01:33:51,030 --> 01:33:49,040

so

2137

01:33:54,070 --> 01:33:51,040

scott from the time he was 11 until he

2138

01:33:57,669 --> 01:33:54,080

came back to the u.s to go to college

2139

01:33:59,830 --> 01:33:57,679

went to school in dakar senegal

2140

01:34:01,669 --> 01:33:59,840

beirut lebanon

2141

01:34:05,110 --> 01:34:01,679

athens greece

2142

01:34:07,990 --> 01:34:05,120

and tehran iran and then he came back

2143

01:34:10,310 --> 01:34:08,000

and got accepted into stanford and i'm

2144

01:34:11,990 --> 01:34:10,320

thinking now how does that happen

2145

01:34:14,070 --> 01:34:12,000

think about it you just

2146

01:34:16,149 --> 01:34:14,080

middle school through high school you

2147

01:34:17,750 --> 01:34:16,159

went to school and all these places

2148

01:34:19,910 --> 01:34:17,760

stanford is kind of tough to get in to

2149

01:34:22,310 --> 01:34:19,920

begin with much less coming out of the

2150

01:34:23,990 --> 01:34:22,320

the schools halfway around the world

2151
01:34:25,669 --> 01:34:24,000
that scott did

2152
01:34:27,189 --> 01:34:25,679
so right away knew there was something

2153
01:34:28,870 --> 01:34:27,199
very very special

2154
01:34:31,030 --> 01:34:28,880
with scott

2155
01:34:33,830 --> 01:34:31,040
well so we came in in 92 the way it

2156
01:34:35,669 --> 01:34:33,840
works at nasa as an astronaut candidate

2157
01:34:37,350 --> 01:34:35,679
you have one full year of generic

2158
01:34:38,790 --> 01:34:37,360
astronaut training which is actually a

2159
01:34:41,350 --> 01:34:38,800
lot of fun you get to know each other

2160
01:34:43,109 --> 01:34:41,360
you tour the centers but you get to

2161
01:34:44,950 --> 01:34:43,119
learn about the space shuttle you know

2162
01:34:47,270 --> 01:34:44,960
so you come out of this year

2163
01:34:48,470 --> 01:34:47,280

qualified on the space shuttle and then

2164

01:34:50,470 --> 01:34:48,480

you're hoping to get assigned to a

2165

01:34:51,990 --> 01:34:50,480

flight it takes a year

2166

01:34:53,510 --> 01:34:52,000

of training before you actually get a

2167

01:34:56,470 --> 01:34:53,520

fly on that flight

2168

01:34:57,830 --> 01:34:56,480

well by the time we finished our year of

2169

01:35:00,470 --> 01:34:57,840

candidacy

2170

01:35:03,109 --> 01:35:00,480

doogie was assigned to space flight

2171

01:35:05,669 --> 01:35:03,119

and it's no surprise at all that so in

2172

01:35:07,990 --> 01:35:05,679

1994 he flew his first flight only two

2173

01:35:08,790 --> 01:35:08,000

years only one year after had gotten

2174

01:35:11,669 --> 01:35:08,800

there

2175

01:35:13,990 --> 01:35:11,679

as a class and so so that is very

2176
01:35:17,510 --> 01:35:14,000
telling the other thing you're going to

2177
01:35:19,830 --> 01:35:17,520
come to lo know and love about doogie is

2178
01:35:21,910 --> 01:35:19,840
there is no opportunity particularly if

2179
01:35:23,830 --> 01:35:21,920
it's an adventure that he is going to

2180
01:35:26,470 --> 01:35:23,840
pass up correct

2181
01:35:28,310 --> 01:35:26,480
if there is an opportunity his arm is

2182
01:35:30,709 --> 01:35:28,320
higher than everybody's he's the first

2183
01:35:31,590 --> 01:35:30,719
of the line and he is there

2184
01:35:34,629 --> 01:35:31,600
well

2185
01:35:36,550 --> 01:35:34,639
in 1993 the international space station

2186
01:35:37,990 --> 01:35:36,560
came along and we immediately started

2187
01:35:39,590 --> 01:35:38,000
working with the russians the soviet

2188
01:35:42,470 --> 01:35:39,600

mirror program and

2189

01:35:44,310 --> 01:35:42,480

fly on u.s astronauts long duration on

2190

01:35:45,830 --> 01:35:44,320

space station mirror

2191

01:35:47,030 --> 01:35:45,840

well guess who's at the front of that

2192

01:35:49,590 --> 01:35:47,040

line

2193

01:35:52,310 --> 01:35:49,600

yes it was doogie uh he's at the front

2194

01:35:54,149 --> 01:35:52,320

of that line goes over to russia spends

2195

01:35:55,990 --> 01:35:54,159

five months and

2196

01:35:57,590 --> 01:35:56,000

you know i'm not sure why it took the

2197

01:35:58,709 --> 01:35:57,600

russians five months but they figured

2198

01:36:00,629 --> 01:35:58,719

out you know

2199

01:36:04,149 --> 01:36:00,639

he's a little too tall

2200

01:36:05,750 --> 01:36:04,159

he does not fit in the soyuz capsule

2201

01:36:07,510 --> 01:36:05,760

so he got sent home

2202

01:36:09,030 --> 01:36:07,520

and and i was a little disappointed

2203

01:36:10,550 --> 01:36:09,040

because now he had another call sign

2204

01:36:13,750 --> 01:36:10,560

that kind of was sticking more than

2205

01:36:16,390 --> 01:36:13,760

doogie so now he became too tall and uh

2206

01:36:18,390 --> 01:36:16,400

so he came back and it actually in my

2207

01:36:20,629 --> 01:36:18,400

mind was a real blessing he came back

2208

01:36:22,550 --> 01:36:20,639

and flourished uh started flying the

2209

01:36:24,149 --> 01:36:22,560

space shuttle you saw here from the

2210

01:36:25,990 --> 01:36:24,159

flights and they mentioned i don't know

2211

01:36:27,430 --> 01:36:26,000

if you picked it up but he flew as the

2212

01:36:29,910 --> 01:36:27,440

mission specialist to the flight

2213

01:36:31,510 --> 01:36:29,920

engineer so very involved with the crew

2214

01:36:33,590 --> 01:36:31,520

safely getting the space shuttle into

2215

01:36:36,310 --> 01:36:33,600

orbit and back home from orbit

2216

01:36:38,629 --> 01:36:36,320

but on sts-100 i had the pleasure of

2217

01:36:40,709 --> 01:36:38,639

getting to fly with scott

2218

01:36:42,470 --> 01:36:40,719

and one of the roles of the commander of

2219

01:36:45,510 --> 01:36:42,480

which i was the commander

2220

01:36:47,590 --> 01:36:45,520

is you assign the duties to the crew

2221

01:36:49,590 --> 01:36:47,600

and so on my crew we had three rookies

2222

01:36:50,950 --> 01:36:49,600

and so as chile describes it hey there's

2223

01:36:53,350 --> 01:36:50,960

there's a handful of work there in the

2224

01:36:54,790 --> 01:36:53,360

rookies but the four i had that had

2225

01:36:57,350 --> 01:36:54,800

flown

2226

01:37:00,070 --> 01:36:57,360

were all very experienced gifted

2227

01:37:01,270 --> 01:37:00,080

astronauts of which scott absolutely was

2228

01:37:02,870 --> 01:37:01,280

one of those

2229

01:37:05,669 --> 01:37:02,880

and as the commander i decided well my

2230

01:37:07,669 --> 01:37:05,679

three rookies i need to give them the

2231

01:37:10,310 --> 01:37:07,679

best experience they can have so that

2232

01:37:11,750 --> 01:37:10,320

they can bring that back to nasa part of

2233

01:37:12,790 --> 01:37:11,760

that experience is flying on the flight

2234

01:37:14,470 --> 01:37:12,800

deck

2235

01:37:16,470 --> 01:37:14,480

so you have the pilot commander take up

2236

01:37:17,510 --> 01:37:16,480

two of the seats those are not for

2237

01:37:19,430 --> 01:37:17,520

barter

2238

01:37:21,350 --> 01:37:19,440

but then you have the flight engineer

2239

01:37:23,910 --> 01:37:21,360

and the mission specialist one seat so i

2240

01:37:24,790 --> 01:37:23,920

have two seats three rookies i go okay

2241

01:37:26,709 --> 01:37:24,800

one of them will be the mission

2242

01:37:28,629 --> 01:37:26,719

specialist too the other two rookies

2243

01:37:30,229 --> 01:37:28,639

will split the other seat one of them

2244

01:37:31,189 --> 01:37:30,239

gets to fly it up the other gets to fly

2245

01:37:33,030 --> 01:37:31,199

them down

2246

01:37:34,229 --> 01:37:33,040

everybody gets to see what it's like

2247

01:37:36,870 --> 01:37:34,239

being on the flight deck from the

2248

01:37:39,189 --> 01:37:36,880

shuttle except for one

2249

01:37:41,669 --> 01:37:39,199

out of a crew of seven one is gonna get

2250

01:37:43,430 --> 01:37:41,679

the special job of being on the middeck

2251

01:37:45,189 --> 01:37:43,440

the entire time

2252

01:37:47,830 --> 01:37:45,199

and as i thought through it

2253

01:37:50,870 --> 01:37:47,840

it was dooky and i'm thinking wow too

2254

01:37:51,910 --> 01:37:50,880

tall how it too tall yeah oh

2255

01:37:55,350 --> 01:37:51,920

thank you

2256

01:37:58,790 --> 01:37:56,629

so i thought

2257

01:38:00,790 --> 01:37:58,800

do you who by the way has been a mission

2258

01:38:02,950 --> 01:38:00,800

specialist too on two of his flights

2259

01:38:04,470 --> 01:38:02,960

which is a very demanding role he not

2260

01:38:06,870 --> 01:38:04,480

only was a flight engineer on previous

2261

01:38:08,950 --> 01:38:06,880

flights he did that and did spacewalk

2262

01:38:10,950 --> 01:38:08,960

typically you don't do that to a crew

2263

01:38:13,270 --> 01:38:10,960

because the training is intense on both

2264

01:38:15,510 --> 01:38:13,280

of those and you'll split those those

2265

01:38:16,790 --> 01:38:15,520

duties among other mission specialists

2266

01:38:18,950 --> 01:38:16,800

that's so

2267

01:38:20,870 --> 01:38:18,960

i when i sat down with scott to say hey

2268

01:38:22,070 --> 01:38:20,880

here's what i've got in mind for you to

2269

01:38:24,070 --> 01:38:22,080

do on the crew

2270

01:38:25,990 --> 01:38:24,080

i was actually kind of worried because

2271

01:38:27,910 --> 01:38:26,000

here you know my guess is it was the

2272

01:38:29,750 --> 01:38:27,920

first time in his life somebody was

2273

01:38:31,750 --> 01:38:29,760

sitting him down and going you know i'm

2274

01:38:33,350 --> 01:38:31,760

i'm giving you a bad deal and even

2275

01:38:35,189 --> 01:38:33,360

though you're really talented we're not

2276

01:38:36,310 --> 01:38:35,199

going to capitalize on your strengths on

2277

01:38:39,669 --> 01:38:36,320

this

2278

01:38:41,830 --> 01:38:39,679

so we sat down i went through my logic

2279

01:38:43,030 --> 01:38:41,840

with with doogie here's why we're going

2280

01:38:45,590 --> 01:38:43,040

to do this

2281

01:38:47,430 --> 01:38:45,600

and uh and he said okay you know and we

2282

01:38:48,709 --> 01:38:47,440

left this was in the afternoon and the

2283

01:38:50,870 --> 01:38:48,719

next morning

2284

01:38:52,790 --> 01:38:50,880

come back in and doogie's in the office

2285

01:38:54,950 --> 01:38:52,800

and he said hey you hey rommel by the

2286

01:38:56,830 --> 01:38:54,960

way my nickname's ronald robel

2287

01:38:59,270 --> 01:38:56,840

can we talk about those screw

2288

01:39:00,950 --> 01:38:59,280

assignments and i said sure

2289

01:39:04,550 --> 01:39:00,960

and at the time i was seeing shirts they

2290

01:39:07,030 --> 01:39:04,560

can go oh boy here we go right

2291

01:39:08,990 --> 01:39:07,040

and we sat down and he pulled out a

2292

01:39:11,510 --> 01:39:09,000

couple pieces of paper these

2293

01:39:12,950 --> 01:39:11,520

multi-colored faceted printouts that

2294

01:39:14,070 --> 01:39:12,960

were really

2295

01:39:15,590 --> 01:39:14,080

thorough

2296

01:39:17,510 --> 01:39:15,600

and they had to do with what you do when

2297

01:39:19,350 --> 01:39:17,520

you first get onto orbit post insertion

2298

01:39:21,109 --> 01:39:19,360

and then what you do when you first come

2299

01:39:23,189 --> 01:39:21,119

home deorbit prep

2300

01:39:25,270 --> 01:39:23,199

both very very difficult tasks to do

2301
01:39:27,350 --> 01:39:25,280
well both if you don't do them right the

2302
01:39:29,189 --> 01:39:27,360
whole crew gets behind and that day

2303
01:39:31,830 --> 01:39:29,199
becomes a nightmare

2304
01:39:34,629 --> 01:39:31,840
and both very undesirable tasks right

2305
01:39:35,830 --> 01:39:34,639
nobody wants to lead those missions but

2306
01:39:37,350 --> 01:39:35,840
but dougie

2307
01:39:39,590 --> 01:39:37,360
had thought about it because he was on

2308
01:39:41,030 --> 01:39:39,600
the mid-deck both going and coming

2309
01:39:43,109 --> 01:39:41,040
he approached me and said hey look at

2310
01:39:45,270 --> 01:39:43,119
this look at these plans

2311
01:39:47,350 --> 01:39:45,280
that i can do for us

2312
01:39:49,750 --> 01:39:47,360
if i run post insertion and if i run the

2313
01:39:52,629 --> 01:39:49,760

over prep what do you think and i always

2314

01:39:54,629 --> 01:39:52,639

i was elated i go i love it and he said

2315

01:39:56,870 --> 01:39:54,639

hey and by the way do you think i could

2316

01:39:58,070 --> 01:39:56,880

be the mid-deck commander and i said

2317

01:40:00,709 --> 01:39:58,080

absolutely

2318

01:40:06,709 --> 01:40:03,669

so here i was afraid that uh i was going

2319

01:40:08,629 --> 01:40:06,719

to offend doogie no no no

2320

01:40:10,229 --> 01:40:08,639

he's an opportunist he says hey here's

2321

01:40:11,990 --> 01:40:10,239

an opportunity

2322

01:40:14,470 --> 01:40:12,000

for me to a be a midnight commander not

2323

01:40:16,229 --> 01:40:14,480

sure we've had one of those before

2324

01:40:21,590 --> 01:40:16,239

and b

2325

01:40:24,629 --> 01:40:22,629

well i don't know if you're starting to

2326

01:40:27,350 --> 01:40:24,639

get the picture of the trend here but

2327

01:40:28,550 --> 01:40:27,360

but scott he does he wants to do

2328

01:40:31,510 --> 01:40:28,560

everything

2329

01:40:32,870 --> 01:40:31,520

uh he's always first in line he's very

2330

01:40:35,030 --> 01:40:32,880

adventurous

2331

01:40:36,390 --> 01:40:35,040

but he's committed right a lot of people

2332

01:40:37,669 --> 01:40:36,400

want to do everything and you know hey

2333

01:40:40,229 --> 01:40:37,679

there's no way they can come close to

2334

01:40:41,990 --> 01:40:40,239

doing it scott when he tells you he's

2335

01:40:44,550 --> 01:40:42,000

going to do something

2336

01:40:45,910 --> 01:40:44,560

he is a hundred percent committed he is

2337

01:40:48,310 --> 01:40:45,920

all in

2338

01:40:50,070 --> 01:40:48,320

and uh let's look back in his history to

2339

01:40:52,470 --> 01:40:50,080

look for some examples of this and i'm

2340

01:40:55,030 --> 01:40:52,480

going back before i knew him

2341

01:40:57,990 --> 01:40:55,040

and and by the way if you go through his

2342

01:40:59,590 --> 01:40:58,000

his bio online bios everything he's done

2343

01:41:01,669 --> 01:40:59,600

it's exhausting

2344

01:41:03,350 --> 01:41:01,679

i i get exhausted just reading through

2345

01:41:04,950 --> 01:41:03,360

this going wow right because i know him

2346

01:41:06,229 --> 01:41:04,960

and i know how much energy he puts into

2347

01:41:09,830 --> 01:41:06,239

everything

2348

01:41:12,070 --> 01:41:09,840

but he was a rhodes scholars finalist

2349

01:41:13,830 --> 01:41:12,080

he received academic awards in every

2350

01:41:16,790 --> 01:41:13,840

school he was ever in and by the way

2351
01:41:19,510 --> 01:41:16,800
those schools include stanford harvard

2352
01:41:22,149 --> 01:41:19,520
medical schools he's a pilot you know

2353
01:41:23,830 --> 01:41:22,159
i'm a professional pilot but you know

2354
01:41:25,750 --> 01:41:23,840
he decided he was going to be a pilot so

2355
01:41:27,510 --> 01:41:25,760
not just a private pilot commercial

2356
01:41:29,189 --> 01:41:27,520
pilot instrument rated pilot

2357
01:41:32,390 --> 01:41:29,199
multi-engine pilot

2358
01:41:34,950 --> 01:41:32,400
seaplane rated pilot uh yeah so you're

2359
01:41:36,709 --> 01:41:34,960
getting the picture here

2360
01:41:38,790 --> 01:41:36,719
scuba diver

2361
01:41:40,470 --> 01:41:38,800
so he wanted to scuba dive from the time

2362
01:41:42,470 --> 01:41:40,480
he was young this is one area where his

2363
01:41:45,990 --> 01:41:42,480

parents held him back

2364

01:41:48,070 --> 01:41:46,000

i believe were you in dakar at the time

2365

01:41:50,709 --> 01:41:48,080

and the the bay in dakar is not very

2366

01:41:52,709 --> 01:41:50,719

clean water fact that is that's code for

2367

01:41:55,350 --> 01:41:52,719

the sewer uh

2368

01:41:57,350 --> 01:41:55,360

in that part of the world and so he was

2369

01:41:58,709 --> 01:41:57,360

you know pestering his folks hey please

2370

01:42:00,310 --> 01:41:58,719

let me scuba dive and they're like no

2371

01:42:03,109 --> 01:42:00,320

we're not letting you spend that much

2372

01:42:04,470 --> 01:42:03,119

time in that water that is not safe

2373

01:42:06,629 --> 01:42:04,480

but later they found themselves in

2374

01:42:07,910 --> 01:42:06,639

athens so he makes another run on his

2375

01:42:09,910 --> 01:42:07,920

folks please please plea you know he

2376

01:42:11,270 --> 01:42:09,920

found this scuba diving course that's

2377

01:42:13,270 --> 01:42:11,280

the good news the bad news is it was

2378

01:42:15,590 --> 01:42:13,280

like two hours away logistically a

2379

01:42:17,510 --> 01:42:15,600

nightmare for his folks to figure out

2380

01:42:20,709 --> 01:42:17,520

how to get him who was in a driving

2381

01:42:23,510 --> 01:42:20,719

egypt to and from there to scuba dive

2382

01:42:25,189 --> 01:42:23,520

and so his mother said well scott i tell

2383

01:42:26,310 --> 01:42:25,199

you what if you can find three other

2384

01:42:28,790 --> 01:42:26,320

friends

2385

01:42:31,510 --> 01:42:28,800

and their parents agreed to share the

2386

01:42:33,189 --> 01:42:31,520

logistics so we split this up on how we

2387

01:42:34,790 --> 01:42:33,199

get you to your scuba diving class and

2388

01:42:36,390 --> 01:42:34,800

get you back

2389

01:42:38,550 --> 01:42:36,400

then okay

2390

01:42:40,310 --> 01:42:38,560

he shot out the door that afternoon he

2391

01:42:42,310 --> 01:42:40,320

showed back up with three guys standing

2392

01:42:44,310 --> 01:42:42,320

there saying yes we'll do it our parents

2393

01:42:45,830 --> 01:42:44,320

will do it

2394

01:42:47,669 --> 01:42:45,840

to the students his parents had never

2395

01:42:52,390 --> 01:42:47,679

seen before they weren't sure scott had

2396

01:42:57,350 --> 01:42:54,870

but yes very innovative and driven when

2397

01:42:59,830 --> 01:42:57,360

he wants to accomplish something

2398

01:43:01,750 --> 01:42:59,840

there are many eagle scouts

2399

01:43:03,910 --> 01:43:01,760

in the astronaut corps which is a very

2400

01:43:05,030 --> 01:43:03,920

impressive thing

2401

01:43:06,229 --> 01:43:05,040

but

2402

01:43:08,310 --> 01:43:06,239

i don't know how many have gotten the

2403

01:43:10,950 --> 01:43:08,320

outstanding eagle award but you're

2404

01:43:12,870 --> 01:43:10,960

looking at one here

2405

01:43:14,550 --> 01:43:12,880

another thing that's pretty cool

2406

01:43:17,990 --> 01:43:14,560

about scott

2407

01:43:20,870 --> 01:43:18,000

is he's a top 10 competitor in the 1988

2408

01:43:22,310 --> 01:43:20,880

us olympic luge trials

2409

01:43:24,629 --> 01:43:22,320

and you're thinking wow top ten in the

2410

01:43:27,350 --> 01:43:24,639

world olympian and

2411

01:43:28,870 --> 01:43:27,360

now keep in mind he's going to school

2412

01:43:30,790 --> 01:43:28,880

in stanford and i'm trying to think

2413

01:43:34,070 --> 01:43:30,800

there aren't that many luge tracks that

2414

01:43:35,990 --> 01:43:34,080

close to palo alto california

2415

01:43:37,189 --> 01:43:36,000

so in figuring out how to make this work

2416

01:43:38,629 --> 01:43:37,199

scott figured out you know i'm just

2417

01:43:39,669 --> 01:43:38,639

going to have to take winter semester

2418

01:43:41,510 --> 01:43:39,679

off

2419

01:43:43,430 --> 01:43:41,520

find a track somewhere to practice my

2420

01:43:46,229 --> 01:43:43,440

lose turns out those happen to be in

2421

01:43:48,550 --> 01:43:46,239

europe then yugoslavia and germany i

2422

01:43:51,189 --> 01:43:48,560

believe are the tracks

2423

01:43:54,629 --> 01:43:51,199

to to follow that passion and endeavor

2424

01:43:56,470 --> 01:43:54,639

and wind up being world class

2425

01:43:59,430 --> 01:43:56,480

as well as you might imagine

2426

01:44:00,709 --> 01:43:59,440

he's won multiple awards and medals from

2427

01:44:02,709 --> 01:44:00,719

nasa

2428

01:44:05,109 --> 01:44:02,719

for his stellar performance that he's

2429

01:44:06,709 --> 01:44:05,119

always done on his flights

2430

01:44:09,510 --> 01:44:06,719

including the space shuttle missions and

2431

01:44:12,390 --> 01:44:09,520

the evas including the one unplanned eva

2432

01:44:14,790 --> 01:44:12,400

that was very risky to repair a sole

2433

01:44:16,950 --> 01:44:14,800

torn solar array you have to be really

2434

01:44:18,709 --> 01:44:16,960

careful with the amount of voltage and

2435

01:44:20,550 --> 01:44:18,719

wattage amperage that are in those

2436

01:44:21,830 --> 01:44:20,560

arrays if you do the wrong thing it's a

2437

01:44:25,030 --> 01:44:21,840

bad day

2438

01:44:27,510 --> 01:44:25,040

you you're not going to be around

2439

01:44:30,709 --> 01:44:28,550

so

2440

01:44:33,430 --> 01:44:30,719

as we look at

2441

01:44:36,790 --> 01:44:33,440

doogie hauser too tall scott parazinsky

2442

01:44:38,629 --> 01:44:36,800

here how would we classify him

2443

01:44:40,070 --> 01:44:38,639

thrill seeker

2444

01:44:41,990 --> 01:44:40,080

well you know although he's done a lot

2445

01:44:44,149 --> 01:44:42,000

of thrilling things

2446

01:44:45,910 --> 01:44:44,159

probably not there there are some that

2447

01:44:47,430 --> 01:44:45,920

are adrenaline judges unfortunately i

2448

01:44:49,189 --> 01:44:47,440

fall into that category that would maybe

2449

01:44:52,229 --> 01:44:49,199

be closer to that but but the real

2450

01:44:55,430 --> 01:44:52,239

secret no i would not classify scout as

2451

01:44:56,470 --> 01:44:55,440

a thrill seeker risk taker

2452

01:44:59,590 --> 01:44:56,480

well

2453

01:45:02,229 --> 01:44:59,600

he has done a lot of risky things

2454

01:45:04,790 --> 01:45:02,239

but he's not really a risk taker he

2455

01:45:07,189 --> 01:45:04,800

mitigates those risks and plans them

2456

01:45:09,350 --> 01:45:07,199

thoroughly and executes him so they're

2457

01:45:11,590 --> 01:45:09,360

no more risky than absolutely

2458

01:45:13,109 --> 01:45:11,600

possible

2459

01:45:14,070 --> 01:45:13,119

adventure seeker

2460

01:45:17,590 --> 01:45:14,080

yeah

2461

01:45:19,750 --> 01:45:17,600

never seen a

2462

01:45:21,430 --> 01:45:19,760

a more vigorous adventure seeker than

2463

01:45:23,510 --> 01:45:21,440

scott perezinski

2464

01:45:25,350 --> 01:45:23,520

and so when i look at him amongst all

2465

01:45:29,590 --> 01:45:25,360

the astronauts i've been around

2466

01:45:31,830 --> 01:45:29,600

he truly represents an explorer

2467

01:45:33,270 --> 01:45:31,840

space explorer yes

2468

01:45:35,590 --> 01:45:33,280

he's done a lot of that with his five

2469

01:45:37,669 --> 01:45:35,600

missions mountaineering we've heard

2470

01:45:40,310 --> 01:45:37,679

something about mountaineering the other

2471

01:45:42,310 --> 01:45:40,320

thing that i'm sure is not a coincidence

2472

01:45:44,390 --> 01:45:42,320

uh when he did his residency he wound up

2473

01:45:47,189 --> 01:45:44,400

doing it in colorado at university

2474

01:45:50,390 --> 01:45:47,199

hospital i think the fact there are 59

2475

01:45:51,590 --> 01:45:50,400

14 000 foot peaks mountains in the state

2476

01:45:54,149 --> 01:45:51,600

of colorado

2477

01:45:56,149 --> 01:45:54,159

had something to do that to do with that

2478

01:45:59,510 --> 01:45:56,159

he set his goal on climbing every one of

2479

01:46:01,910 --> 01:45:59,520

them he did that's impressive mount

2480

01:46:03,990 --> 01:46:01,920

everest i mean i'm so proud when i talk

2481

01:46:06,550 --> 01:46:04,000

about scott when i'm talking about our

2482

01:46:09,189 --> 01:46:06,560

mission you know he is the only human on

2483

01:46:11,430 --> 01:46:09,199

the planet that's done both as

2484

01:46:13,350 --> 01:46:11,440

john articularly says

2485

01:46:15,669 --> 01:46:13,360

has seen the world from orbit and stood

2486

01:46:18,629 --> 01:46:15,679

on top of it

2487

01:46:21,189 --> 01:46:18,639

but it doesn't end there he he does he's

2488

01:46:23,109 --> 01:46:21,199

spent time in antarctica he's applied

2489

01:46:24,870 --> 01:46:23,119

his medical skills there he's been to

2490

01:46:26,950 --> 01:46:24,880

the south pole

2491

01:46:28,470 --> 01:46:26,960

and interestingly this week

2492

01:46:29,990 --> 01:46:28,480

this had nothing to do with this event

2493

01:46:31,350 --> 01:46:30,000

coming up i'm going through my news on

2494

01:46:33,510 --> 01:46:31,360

my computer

2495

01:46:34,709 --> 01:46:33,520

and here something pops up project

2496

01:46:36,629 --> 01:46:34,719

poseidon

2497

01:46:38,229 --> 01:46:36,639

record-breaking 100-day undersea

2498

01:46:42,790 --> 01:46:38,239

expedition

2499

01:46:47,430 --> 01:46:44,790

scott perezinski

2500

01:46:50,229 --> 01:46:47,440

so so you name it he's been a lot closer

2501
01:46:53,109 --> 01:46:50,239
to volcanoes than i ever want to be uh

2502
01:46:55,510 --> 01:46:53,119
he is absolutely an explorer

2503
01:46:58,950 --> 01:46:55,520
and uh but but one of the things that

2504
01:47:01,270 --> 01:46:58,960
i'm most impressed with with scott

2505
01:47:04,229 --> 01:47:01,280
is he applies himself

2506
01:47:07,030 --> 01:47:04,239
but even scott realizes hey there are so

2507
01:47:10,070 --> 01:47:07,040
only so many hours in the day even scott

2508
01:47:11,510 --> 01:47:10,080
the ultimate energizer bunny only has so

2509
01:47:13,990 --> 01:47:11,520
much energy

2510
01:47:16,229 --> 01:47:14,000
so he actually is fairly calculating on

2511
01:47:18,390 --> 01:47:16,239
how he's going to apply

2512
01:47:19,669 --> 01:47:18,400
uh apply himself

2513
01:47:21,830 --> 01:47:19,679

and we've heard a lot about the great

2514

01:47:24,790 --> 01:47:21,840

accomplishments what you haven't heard

2515

01:47:27,030 --> 01:47:24,800

about is he does phenomenal things

2516

01:47:28,310 --> 01:47:27,040

uh you know one of the things he does

2517

01:47:30,950 --> 01:47:28,320

and i'm looking at this forever

2518

01:47:33,669 --> 01:47:30,960

remembered if you get a chance it's a

2519

01:47:36,390 --> 01:47:33,679

phenomenal display

2520

01:47:39,109 --> 01:47:36,400

to honor our challenger crew and our

2521

01:47:41,350 --> 01:47:39,119

columbia crew scott has been very very

2522

01:47:42,950 --> 01:47:41,360

involved in both those crews after the

2523

01:47:45,030 --> 01:47:42,960

fact

2524

01:47:46,590 --> 01:47:45,040

in one of those areas

2525

01:47:49,109 --> 01:47:46,600

was on

2526

01:47:52,149 --> 01:47:49,119

sts-107 after we lost that crew of

2527

01:47:54,470 --> 01:47:52,159

colombia and obviously columbia

2528

01:47:57,510 --> 01:47:54,480

because of his mountaineering skills

2529

01:47:58,470 --> 01:47:57,520

scott was instrumental in getting a peek

2530

01:48:00,709 --> 01:47:58,480

one of the

2531

01:48:02,550 --> 01:48:00,719

14 thousand footers kit carson has two

2532

01:48:04,310 --> 01:48:02,560

sub-peaks one was already named

2533

01:48:05,669 --> 01:48:04,320

challenger point in honor of the

2534

01:48:09,350 --> 01:48:05,679

challenger crew

2535

01:48:12,629 --> 01:48:09,360

scott worked to get the other subpeak

2536

01:48:15,109 --> 01:48:12,639

designated columbia point

2537

01:48:17,270 --> 01:48:15,119

for this not only did he do that did

2538

01:48:19,750 --> 01:48:17,280

everything got it benchmarked

2539

01:48:22,390 --> 01:48:19,760

he arranged and organized orchestrated

2540

01:48:23,669 --> 01:48:22,400

getting the families all the families to

2541

01:48:26,950 --> 01:48:23,679

colombia

2542

01:48:29,750 --> 01:48:26,960

and in addition we had a four f-16 flyby

2543

01:48:31,910 --> 01:48:29,760

to commemorate that dedication and so

2544

01:48:35,270 --> 01:48:31,920

he put a huge amount of work and energy

2545

01:48:37,109 --> 01:48:35,280

into something that he believed in and

2546

01:48:39,830 --> 01:48:37,119

thank you scott the uh

2547

01:48:42,229 --> 01:48:39,840

that that was huge

2548

01:48:44,790 --> 01:48:42,239

i mentioned challenger this is another

2549

01:48:47,030 --> 01:48:44,800

area where scott perezinski

2550

01:48:49,109 --> 01:48:47,040

obviously decided you know this is an

2551

01:48:51,189 --> 01:48:49,119

area where maybe i can help

2552

01:48:53,510 --> 01:48:51,199

he was asked to be on the challenger

2553

01:48:55,990 --> 01:48:53,520

center board of directors and

2554

01:48:57,990 --> 01:48:56,000

as most enterprises go through cycles

2555

01:49:00,550 --> 01:48:58,000

ups and downs challenger by the way is a

2556

01:49:02,870 --> 01:49:00,560

phenomenal organization it was started

2557

01:49:05,669 --> 01:49:02,880

only three months after we lost space

2558

01:49:08,709 --> 01:49:05,679

shuttle challenger and her crew

2559

01:49:10,229 --> 01:49:08,719

in june scoby now june scobee rogers

2560

01:49:11,590 --> 01:49:10,239

started that organization it's

2561

01:49:13,750 --> 01:49:11,600

phenomenal

2562

01:49:15,270 --> 01:49:13,760

there were over 40 challenger centers

2563

01:49:17,750 --> 01:49:15,280

around the nation three of them are

2564

01:49:18,709 --> 01:49:17,760

international and they're growing

2565

01:49:21,109 --> 01:49:18,719

but

2566

01:49:23,189 --> 01:49:21,119

a half a dozen years ago we weren't

2567

01:49:25,189 --> 01:49:23,199

growing in challenger center

2568

01:49:26,709 --> 01:49:25,199

a couple of key board members stepped up

2569

01:49:28,470 --> 01:49:26,719

and turned that around one was bill

2570

01:49:30,870 --> 01:49:28,480

reedy but the other one very

2571

01:49:32,470 --> 01:49:30,880

instrumental was scott perezinski scott

2572

01:49:35,669 --> 01:49:32,480

became the became the chairman of the

2573

01:49:38,070 --> 01:49:35,679

board and put a huge amount of energy it

2574

01:49:39,830 --> 01:49:38,080

was almost a full-time job to wind up

2575

01:49:41,189 --> 01:49:39,840

turning around challenger center and we

2576

01:49:43,669 --> 01:49:41,199

all benefit today because that

2577

01:49:46,149 --> 01:49:43,679

organization is very healthy and on the

2578

01:49:49,589 --> 01:49:46,159

right upward ramp i know scott thank you

2579

01:49:53,750 --> 01:49:50,629

you know

2580

01:49:56,470 --> 01:49:53,760

when you stand up here you always try to

2581

01:49:58,790 --> 01:49:56,480

tell stories that are funny typically

2582

01:50:01,030 --> 01:49:58,800

that's code for something embarrassing

2583

01:50:02,629 --> 01:50:01,040

for the astronaut sitting up here

2584

01:50:04,550 --> 01:50:02,639

and uh

2585

01:50:06,229 --> 01:50:04,560

so i started thinking about it and i'm

2586

01:50:08,229 --> 01:50:06,239

stumped

2587

01:50:10,229 --> 01:50:08,239

so i reached out to a friend of ours

2588

01:50:11,990 --> 01:50:10,239

that scott and i flew with on sts-100

2589

01:50:13,589 --> 01:50:12,000

jeff ashbry a

2590

01:50:16,390 --> 01:50:13,599

fun guy

2591

01:50:17,589 --> 01:50:16,400

and uh so uh call sign bones i said

2592

01:50:19,030 --> 01:50:17,599

bones

2593

01:50:20,870 --> 01:50:19,040

do you have any dirt

2594

01:50:22,310 --> 01:50:20,880

on too tall

2595

01:50:25,430 --> 01:50:22,320

or should i call you doogie i forget

2596

01:50:27,910 --> 01:50:25,440

which one you like okay okay

2597

01:50:30,310 --> 01:50:27,920

and uh ashby goes well you know why he

2598

01:50:32,390 --> 01:50:30,320

goes i actually do talk about too tall

2599

01:50:34,629 --> 01:50:32,400

in some of my presentations and

2600

01:50:36,310 --> 01:50:34,639

jeff said i went to a school

2601
01:50:38,870 --> 01:50:36,320
uh middle school talked to the students

2602
01:50:39,910 --> 01:50:38,880
and before i went the teacher tasked the

2603
01:50:42,950 --> 01:50:39,920
students

2604
01:50:44,470 --> 01:50:42,960
okay student your job is when on the day

2605
01:50:46,629 --> 01:50:44,480
jeff comes to speak to you about his

2606
01:50:49,669 --> 01:50:46,639
astronaut career

2607
01:50:51,510 --> 01:50:49,679
you write down what it is you most are

2608
01:50:54,709 --> 01:50:51,520
looking forward to learning from

2609
01:50:57,510 --> 01:50:54,719
astronaut captain jeff ashby

2610
01:50:59,750 --> 01:50:57,520
about flying in space

2611
01:51:02,070 --> 01:50:59,760
one of the students wrote nothing

2612
01:51:11,030 --> 01:51:02,080
because i'm a pen pal with astronaut dr

2613
01:51:14,550 --> 01:51:13,030

you know i can go on and on with stories

2614

01:51:17,830 --> 01:51:14,560

uh

2615

01:51:20,070 --> 01:51:17,840

in true perezinski style one last story

2616

01:51:21,109 --> 01:51:20,080

is my mother was sick

2617

01:51:25,270 --> 01:51:21,119

and

2618

01:51:27,350 --> 01:51:25,280

out of the seizure she was confused she

2619

01:51:29,189 --> 01:51:27,360

didn't even recognize me it was shortly

2620

01:51:31,669 --> 01:51:29,199

after one of my flights i grew up in

2621

01:51:34,070 --> 01:51:31,679

rural colorado i get in there quick and

2622

01:51:36,310 --> 01:51:34,080

mom doesn't hardly know who i am and

2623

01:51:39,189 --> 01:51:36,320

it's a very small town 1400 people i'm

2624

01:51:40,790 --> 01:51:39,199

talking to the doctor and i said well

2625

01:51:42,629 --> 01:51:40,800

shouldn't we try to get my mother to

2626

01:51:45,270 --> 01:51:42,639

denver to hospitals where we can run

2627

01:51:47,669 --> 01:51:45,280

more tests and the doc's like now you

2628

01:51:49,109 --> 01:51:47,679

know it's okay she's improving we drew

2629

01:51:50,390 --> 01:51:49,119

some blood

2630

01:51:52,950 --> 01:51:50,400

i'm thinking well this doesn't sound

2631

01:51:54,629 --> 01:51:52,960

right i call i call scott say hey scott

2632

01:51:56,229 --> 01:51:54,639

here's what's going on

2633

01:51:58,470 --> 01:51:56,239

what do you think he says do you have

2634

01:52:00,790 --> 01:51:58,480

the doctor's phone number i said i do

2635

01:52:01,589 --> 01:52:00,800

and by the way i've been pushing on this

2636

01:52:03,270 --> 01:52:01,599

doc

2637

01:52:04,870 --> 01:52:03,280

several different times where i felt

2638

01:52:06,470 --> 01:52:04,880

like i'm sure he thought i was being

2639

01:52:07,990 --> 01:52:06,480

pretty obnoxious right i was even

2640

01:52:10,070 --> 01:52:08,000

throwing the astronaut car down hey i'm

2641

01:52:12,870 --> 01:52:10,080

an astronaut yeah you know

2642

01:52:14,629 --> 01:52:12,880

to know to no avail

2643

01:52:16,870 --> 01:52:14,639

i give scott the phone call and i'm

2644

01:52:18,790 --> 01:52:16,880

sitting in the room man all of a sudden

2645

01:52:20,950 --> 01:52:18,800

it was like a code blue in the hospital

2646

01:52:22,629 --> 01:52:20,960

people come running in they go hey

2647

01:52:24,950 --> 01:52:22,639

your mother's being life flighted out of

2648

01:52:26,870 --> 01:52:24,960

here you get this we got to get her to

2649

01:52:28,950 --> 01:52:26,880

the airport i was like wow right the

2650

01:52:31,910 --> 01:52:28,960

doctor for me wouldn't do anything

2651
01:52:33,750 --> 01:52:31,920
whatever it is scott did thank you and

2652
01:52:36,950 --> 01:52:33,760
uh i don't know that we really needed a

2653
01:52:37,830 --> 01:52:36,960
life fighter uh to denver

2654
01:52:39,510 --> 01:52:37,840
so

2655
01:52:41,109 --> 01:52:39,520
but by the time she got there she was

2656
01:52:44,070 --> 01:52:41,119
actually back to being pretty coherent

2657
01:52:47,030 --> 01:52:44,080
knew who i was

2658
01:52:49,350 --> 01:52:47,040
but by god we got her there so uh

2659
01:52:52,310 --> 01:52:49,360
no you know what the it really is an

2660
01:52:54,550 --> 01:52:52,320
honor for me today uh to be on the stage

2661
01:52:56,310 --> 01:52:54,560
with both these guys brian duffy to one

2662
01:52:58,629 --> 01:52:56,320
of my favorite guys

2663
01:53:00,790 --> 01:52:58,639

and uh chile mentioned it but there

2664

01:53:02,470 --> 01:53:00,800

there was no secret duff is an extremely

2665

01:53:04,149 --> 01:53:02,480

gifted fighter pilot

2666

01:53:05,510 --> 01:53:04,159

uh i i just tell you a little bit of a

2667

01:53:06,950 --> 01:53:05,520

story though

2668

01:53:08,470 --> 01:53:06,960

kevin chilton

2669

01:53:10,390 --> 01:53:08,480

kind of set the standard here you know

2670

01:53:12,790 --> 01:53:10,400

when we launch from florida they want

2671

01:53:14,229 --> 01:53:12,800

you to come back to florida unless

2672

01:53:17,109 --> 01:53:14,239

they're going to rework the vehicle but

2673

01:53:18,870 --> 01:53:17,119

in chile's case he launched from florida

2674

01:53:21,270 --> 01:53:18,880

he didn't come back to florida right he

2675

01:53:22,709 --> 01:53:21,280

diverted into california that's kind of

2676
01:53:25,350 --> 01:53:22,719
where the air force test pilot school is

2677
01:53:29,669 --> 01:53:25,360
i always wondered but then we went

2678
01:53:33,030 --> 01:53:29,679
we went from sts-76 to sts-92

2679
01:53:34,470 --> 01:53:33,040
you know years without messing that up i

2680
01:53:37,030 --> 01:53:34,480
happen to be doing flying the lining

2681
01:53:39,510 --> 01:53:37,040
weather at edwards when sts-92 was up

2682
01:53:42,709 --> 01:53:39,520
duff followed suit he was the only one

2683
01:53:44,470 --> 01:53:42,719
other than chile from sts 76 to 92 that

2684
01:53:46,629 --> 01:53:44,480
messed that up he couldn't come back

2685
01:53:48,790 --> 01:53:46,639
into florida he went back into

2686
01:53:49,990 --> 01:53:48,800
california but

2687
01:53:51,750 --> 01:53:50,000
but actually

2688
01:53:54,629 --> 01:53:51,760

i am really honored

2689

01:53:56,870 --> 01:53:54,639

to be on stage with both you guys this

2690

01:53:58,550 --> 01:53:56,880

is really good

2691

01:54:00,709 --> 01:53:58,560

you know in summary

2692

01:54:02,950 --> 01:54:00,719

talking about scott

2693

01:54:04,629 --> 01:54:02,960

extremely capable

2694

01:54:05,830 --> 01:54:04,639

intelligent

2695

01:54:06,790 --> 01:54:05,840

driven

2696

01:54:09,990 --> 01:54:06,800

karen

2697

01:54:12,790 --> 01:54:10,000

he's very caring individual but but he

2698

01:54:15,510 --> 01:54:12,800

is truly an explorer at heart

2699

01:54:18,229 --> 01:54:15,520

he's trying to do his part to make this

2700

01:54:19,669 --> 01:54:18,239

planet a better place for all of us

2701
01:54:22,790 --> 01:54:19,679
and i can't think of anyone more

2702
01:54:24,310 --> 01:54:22,800
deserving than dr scott

2703
01:54:27,030 --> 01:54:24,320
doogie hauser

2704
01:55:05,830 --> 01:54:27,040
too tall parazinsky to be inducted into

2705
01:55:10,950 --> 01:55:09,030
wow this is uh certainly

2706
01:55:13,109 --> 01:55:10,960
one of the most exciting and proudest

2707
01:55:15,589 --> 01:55:13,119
days of my life and and i'm just so

2708
01:55:17,830 --> 01:55:15,599
thrilled to have so many of you close

2709
01:55:19,510 --> 01:55:17,840
friends and and co-workers from the many

2710
01:55:21,990 --> 01:55:19,520
chapters of my life here to share in

2711
01:55:24,310 --> 01:55:22,000
this extraordinary day and it was really

2712
01:55:26,229 --> 01:55:24,320
fantastic uh to be on stage here with

2713
01:55:28,390 --> 01:55:26,239

brian who's been a close

2714

01:55:30,310 --> 01:55:28,400

friend but but also kind of a role model

2715

01:55:32,149 --> 01:55:30,320

he's one of those exceptional leaders

2716

01:55:34,629 --> 01:55:32,159

that that everyone in the office looked

2717

01:55:37,589 --> 01:55:34,639

up to and so it was really exciting for

2718

01:55:39,669 --> 01:55:37,599

me to get the nod with brian

2719

01:55:41,990 --> 01:55:39,679

um and like uh like you started out

2720

01:55:43,109 --> 01:55:42,000

saying uh it was really the most

2721

01:55:45,270 --> 01:55:43,119

incredible

2722

01:55:46,790 --> 01:55:45,280

call of my life i think to get that you

2723

01:55:49,189 --> 01:55:46,800

know surprise call on christmas eve and

2724

01:55:51,109 --> 01:55:49,199

be told that i was going to be here uh

2725

01:55:53,830 --> 01:55:51,119

for this great induction so

2726
01:55:56,310 --> 01:55:53,840
um wonderful to be part of the astronaut

2727
01:55:59,189 --> 01:55:56,320
scholarship foundation family and to be

2728
01:56:01,430 --> 01:55:59,199
inducted with all these great legends

2729
01:56:03,510 --> 01:56:01,440
and i just have to say rommel that was

2730
01:56:05,109 --> 01:56:03,520
you know you 95 percent of what you said

2731
01:56:07,109 --> 01:56:05,119
there you really tugged at my heart

2732
01:56:08,709 --> 01:56:07,119
strings i'm gonna get back to that last

2733
01:56:10,229 --> 01:56:08,719
five percent in here just a minute but

2734
01:56:11,669 --> 01:56:10,239
uh um

2735
01:56:13,750 --> 01:56:11,679
you know you've been a very good friend

2736
01:56:16,229 --> 01:56:13,760
for the whole you know from from almost

2737
01:56:18,629 --> 01:56:16,239
day one you know we really clicked as a

2738
01:56:21,910 --> 01:56:18,639

class and as personal friends

2739

01:56:24,709 --> 01:56:21,920

um you were a classmate a friend um

2740

01:56:25,990 --> 01:56:24,719

you're my fearless commander on sts-100

2741

01:56:28,790 --> 01:56:26,000

and i was part of his

2742

01:56:30,550 --> 01:56:28,800

very fearful crew um

2743

01:56:31,910 --> 01:56:30,560

and we i the stories that i could tell

2744

01:56:33,189 --> 01:56:31,920

about rommel i mean we'd be here well

2745

01:56:35,270 --> 01:56:33,199

into the evening and i wouldn't even

2746

01:56:36,790 --> 01:56:35,280

have to embellish very much to make them

2747

01:56:37,589 --> 01:56:36,800

sound unbelievable and you know that's

2748

01:56:40,470 --> 01:56:37,599

right

2749

01:56:43,189 --> 01:56:40,480

um but i think what i admire the most

2750

01:56:45,189 --> 01:56:43,199

about rommel is his leadership i think

2751
01:56:47,109 --> 01:56:45,199
he's the most extraordinary leader that

2752
01:56:49,350 --> 01:56:47,119
i have ever known and i've taken so many

2753
01:56:51,750 --> 01:56:49,360
lessons into my own personal life and in

2754
01:56:53,830 --> 01:56:51,760
my leadership style just watching his

2755
01:56:56,870 --> 01:56:53,840
his grace and and

2756
01:56:58,870 --> 01:56:56,880
command under under pressure he was

2757
01:57:01,990 --> 01:56:58,880
chief of the astronaut office during our

2758
01:57:04,550 --> 01:57:02,000
darkest hours during the aftermath of

2759
01:57:06,470 --> 01:57:04,560
the space shuttle columbia tragedy and

2760
01:57:09,189 --> 01:57:06,480
our whole agency our whole nation the

2761
01:57:11,830 --> 01:57:09,199
whole world needed to heal and his his

2762
01:57:13,830 --> 01:57:11,840
steady hand the way he he managed

2763
01:57:16,149 --> 01:57:13,840

expectations his resolve

2764

01:57:18,950 --> 01:57:16,159

um you know really carried carried all

2765

01:57:21,270 --> 01:57:18,960

of us forward i was a

2766

01:57:23,189 --> 01:57:21,280

a family escort and a

2767

01:57:25,669 --> 01:57:23,199

a casualty uh

2768

01:57:27,270 --> 01:57:25,679

basically an escort for the uh

2769

01:57:28,629 --> 01:57:27,280

my good friend rick husband in the

2770

01:57:30,950 --> 01:57:28,639

aftermath of that

2771

01:57:33,589 --> 01:57:30,960

terrible tragedy and and uh

2772

01:57:34,310 --> 01:57:33,599

they were very difficult days for all of

2773

01:57:36,070 --> 01:57:34,320

us

2774

01:57:39,350 --> 01:57:36,080

but i think it galvanized the whole

2775

01:57:41,030 --> 01:57:39,360

agency to figure out what had happened

2776
01:57:42,070 --> 01:57:41,040
and make sure that it could never happen

2777
01:57:43,830 --> 01:57:42,080
again

2778
01:57:45,589 --> 01:57:43,840
but oh by the way since it's nasa we

2779
01:57:47,430 --> 01:57:45,599
have to develop tools and techniques to

2780
01:57:49,350 --> 01:57:47,440
make sure that if it did happen just in

2781
01:57:50,950 --> 01:57:49,360
case we would have a fighting chance to

2782
01:57:52,950 --> 01:57:50,960
to do that and so

2783
01:57:54,470 --> 01:57:52,960
i was part of

2784
01:57:56,870 --> 01:57:54,480
a team to help develop tools and

2785
01:57:58,310 --> 01:57:56,880
techniques to repair shuttles on orbit

2786
01:58:00,070 --> 01:57:58,320
and help us have a fighting chance to

2787
01:58:01,589 --> 01:58:00,080
come home and should that ever happen in

2788
01:58:03,430 --> 01:58:01,599

the future but

2789

01:58:05,750 --> 01:58:03,440

there's so many

2790

01:58:08,310 --> 01:58:05,760

wonderful stories of of how people came

2791

01:58:09,990 --> 01:58:08,320

together in that very trying time but

2792

01:58:12,629 --> 01:58:10,000

i don't want to have my all my

2793

01:58:14,709 --> 01:58:12,639

commentary uh be on that note and so i i

2794

01:58:17,109 --> 01:58:14,719

want to get uh uh back to that five

2795

01:58:18,830 --> 01:58:17,119

percent let's let's talk about doogie

2796

01:58:22,310 --> 01:58:18,840

for a little bit okay

2797

01:58:23,990 --> 01:58:22,320

so first of all there's so many

2798

01:58:26,070 --> 01:58:24,000

emotions that flood through you as you

2799

01:58:28,229 --> 01:58:26,080

stand here on a day like today you know

2800

01:58:30,709 --> 01:58:28,239

it's you know i'm standing in front of

2801
01:58:32,550 --> 01:58:30,719
uh men and women who have been my

2802
01:58:34,550 --> 01:58:32,560
inspiration you know since i was a

2803
01:58:36,470 --> 01:58:34,560
little kid and i'm looking at you young

2804
01:58:38,470 --> 01:58:36,480
shuttle folks too okay just so you know

2805
01:58:41,990 --> 01:58:38,480
that

2806
01:58:46,229 --> 01:58:44,550
it was uh it was a really interesting

2807
01:58:47,589 --> 01:58:46,239
time when i first arrived at nasa i

2808
01:58:49,350 --> 01:58:47,599
think rommel was a little bit generous

2809
01:58:51,510 --> 01:58:49,360
in terms of my appearance when i first

2810
01:58:54,229 --> 01:58:51,520
got here i think i actually looked about

2811
01:58:55,750 --> 01:58:54,239
12 when i first arrived at nasa but only

2812
01:58:57,589 --> 01:58:55,760
if i hadn't shaved for like three weeks

2813
01:58:59,350 --> 01:58:57,599

if i was clean shaven i was a six foot

2814

01:59:00,709 --> 01:58:59,360

three kindergartner so this is really

2815

01:59:02,790 --> 01:59:00,719

what i was dealing with

2816

01:59:04,790 --> 01:59:02,800

and uh and so i could only imagine that

2817

01:59:06,790 --> 01:59:04,800

the conversations in the corner office

2818

01:59:08,229 --> 01:59:06,800

where dan sat at the time where they're

2819

01:59:09,830 --> 01:59:08,239

making those coveted flight crew

2820

01:59:11,750 --> 01:59:09,840

assignments hey what do you think about

2821

01:59:13,430 --> 01:59:11,760

that parazinsky kid you know he seems he

2822

01:59:15,270 --> 01:59:13,440

seems pretty sharp

2823

01:59:17,109 --> 01:59:15,280

nah stick him back in the incubator that

2824

01:59:20,390 --> 01:59:17,119

was my uh my

2825

01:59:21,750 --> 01:59:20,400

imaginary voices in my head uh uh

2826

01:59:22,950 --> 01:59:21,760

thinking that uh you know there's no way

2827

01:59:24,709 --> 01:59:22,960

that they're gonna take me seriously

2828

01:59:26,709 --> 01:59:24,719

give me a flight assignment but actually

2829

01:59:27,830 --> 01:59:26,719

turned out to be quite a great motivator

2830

01:59:29,189 --> 01:59:27,840

for me

2831

01:59:31,669 --> 01:59:29,199

to be as well prepared as i could

2832

01:59:33,589 --> 01:59:31,679

possibly be uh

2833

01:59:35,589 --> 01:59:33,599

going into my simulations and things

2834

01:59:38,629 --> 01:59:35,599

turned out okay for me i guess but

2835

01:59:40,310 --> 01:59:38,639

um in any event uh my very clever

2836

01:59:42,390 --> 01:59:40,320

classmate rommel came up with the name

2837

01:59:45,669 --> 01:59:42,400

yes dougie hauser md after neil patrick

2838

01:59:48,149 --> 01:59:45,679

harris's character on this the like uh

2839

01:59:51,109 --> 01:59:48,159

named tv show or nph from harold and

2840

01:59:54,870 --> 01:59:51,119

kumar any harold and kumar fans here

2841

01:59:56,950 --> 01:59:54,880

two of you that's it oh come on that's

2842

01:59:58,470 --> 01:59:56,960

need to get out more but

2843

01:59:59,350 --> 01:59:58,480

in any event uh

2844

02:00:00,629 --> 01:59:59,360

uh

2845

02:00:01,430 --> 02:00:00,639

it was really interesting when folks

2846

02:00:03,270 --> 02:00:01,440

would

2847

02:00:04,950 --> 02:00:03,280

uh you know come up to greet me they'd

2848

02:00:07,430 --> 02:00:04,960

say hey dukey how's it going man there

2849

02:00:09,830 --> 02:00:07,440

was a like a three second delay 1001

2850

02:00:11,430 --> 02:00:09,840

1002 1003.

2851

02:00:14,310 --> 02:00:11,440

what

2852

02:00:16,470 --> 02:00:14,320

that was very loud sorry

2853

02:00:19,109 --> 02:00:16,480

and so as you might imagine i i didn't

2854

02:00:21,510 --> 02:00:19,119

disguise my disdain for this call sign

2855

02:00:23,750 --> 02:00:21,520

very well and it immediately stuck and

2856

02:00:25,350 --> 02:00:23,760

so this is a this is a teaching moment

2857

02:00:27,109 --> 02:00:25,360

there are a lot of young people here a

2858

02:00:29,270 --> 02:00:27,119

lot of future astronauts are astronaut

2859

02:00:32,470 --> 02:00:29,280

scholars i hope we'll we'll follow in

2860

02:00:35,350 --> 02:00:32,480

the footsteps of christina uh coke who

2861

02:00:37,350 --> 02:00:35,360

spoke beautifully last night but

2862

02:00:39,030 --> 02:00:37,360

what you need to do if you suddenly find

2863

02:00:40,870 --> 02:00:39,040

yourself plunked down in the middle of a

2864

02:00:42,709 --> 02:00:40,880

military aviation squadron which is

2865

02:00:44,629 --> 02:00:42,719

basically the astronaut office

2866

02:00:46,310 --> 02:00:44,639

what you need to do when they give you

2867

02:00:47,510 --> 02:00:46,320

that first call sign which i guarantee

2868

02:00:49,430 --> 02:00:47,520

you'll hate

2869

02:00:50,870 --> 02:00:49,440

is pretend that you love it

2870

02:00:52,709 --> 02:00:50,880

put it on your business card put it on

2871

02:00:54,470 --> 02:00:52,719

the sign outside your door

2872

02:00:56,790 --> 02:00:54,480

refer to yourself in the third person as

2873

02:00:57,990 --> 02:00:56,800

the dukester whatever it takes to make

2874

02:00:59,750 --> 02:00:58,000

sure that people understand that you

2875

02:01:01,750 --> 02:00:59,760

want that on your tombstone and if you

2876

02:01:03,510 --> 02:01:01,760

do that i guarantee

2877

02:01:04,629 --> 02:01:03,520

you'll get another call sign

2878

02:01:07,430 --> 02:01:04,639

okay

2879

02:01:11,109 --> 02:01:09,109

in any event um

2880

02:01:13,270 --> 02:01:11,119

for no for those of you who know me very

2881

02:01:15,189 --> 02:01:13,280

well and i have a huge gathering of

2882

02:01:17,109 --> 02:01:15,199

folks here i mean it's amazing people

2883

02:01:19,350 --> 02:01:17,119

from all over the world have converged

2884

02:01:21,109 --> 02:01:19,360

on the kennedy space center here and it

2885

02:01:23,910 --> 02:01:21,119

means the world to me to have have you

2886

02:01:25,750 --> 02:01:23,920

here family friends co-workers i have

2887

02:01:27,830 --> 02:01:25,760

many many crew mates

2888

02:01:29,350 --> 02:01:27,840

that i'm going to brag about and flight

2889

02:01:31,430 --> 02:01:29,360

controllers that i'm going to brag about

2890

02:01:32,550 --> 02:01:31,440

nbl divers that i'm going to brag about

2891

02:01:35,350 --> 02:01:32,560

that are here

2892

02:01:37,910 --> 02:01:35,360

and or here in spirit and

2893

02:01:39,350 --> 02:01:37,920

and so for those of you who know me

2894

02:01:40,470 --> 02:01:39,360

really really well

2895

02:01:43,430 --> 02:01:40,480

um

2896

02:01:45,270 --> 02:01:43,440

you know that i i actively seek to avoid

2897

02:01:47,109 --> 02:01:45,280

uh the spotlight i would much rather

2898

02:01:50,149 --> 02:01:47,119

talk about you

2899

02:01:51,990 --> 02:01:50,159

i can talk your ears off about my kids

2900

02:01:53,589 --> 02:01:52,000

technology politics the weather i'll

2901
02:01:55,990 --> 02:01:53,599
even talk about the Kardashians you know

2902
02:01:58,229 --> 02:01:56,000
what what whatever it takes but i i

2903
02:02:00,470 --> 02:01:58,239
recognize that here and now today the

2904
02:02:03,189 --> 02:02:00,480
spotlight is is beating down

2905
02:02:05,189 --> 02:02:03,199
on my good friend and very deserving

2906
02:02:07,589 --> 02:02:05,199
friend Brian Duffy's highly reflective

2907
02:02:09,430 --> 02:02:07,599
forehead and also mine

2908
02:02:10,310 --> 02:02:09,440
sorry

2909
02:02:12,390 --> 02:02:10,320
um

2910
02:02:14,709 --> 02:02:12,400
and so

2911
02:02:15,830 --> 02:02:14,719
sorry

2912
02:02:17,669 --> 02:02:15,840
no i'm not

2913
02:02:18,870 --> 02:02:17,679

okay i had a shot and i had to take it

2914

02:02:24,310 --> 02:02:18,880

so

2915

02:02:26,550 --> 02:02:24,320

uh and humbled to be here today as a

2916

02:02:28,790 --> 02:02:26,560

standing standing in front of you

2917

02:02:30,950 --> 02:02:28,800

to receive this great recognition

2918

02:02:34,629 --> 02:02:30,960

not as an individual but on behalf of

2919

02:02:38,470 --> 02:02:36,709

i'm sorry

2920

02:02:40,229 --> 02:02:38,480

getting choked up

2921

02:02:43,189 --> 02:02:40,239

but literally the thousands of people

2922

02:02:44,629 --> 02:02:43,199

who've touched my my professional career

2923

02:02:47,430 --> 02:02:44,639

brilliant resourceful creative

2924

02:02:50,550 --> 02:02:47,440

passionate people professionals

2925

02:02:52,709 --> 02:02:50,560

nasa contractor women and men american

2926
02:02:56,390 --> 02:02:52,719
and international partner who prepared

2927
02:02:58,310 --> 02:02:56,400
our spacecraft prepared our payloads

2928
02:03:00,310 --> 02:02:58,320
trained us for audacious missions up

2929
02:03:02,310 --> 02:03:00,320
into space launched us here from the

2930
02:03:03,589 --> 02:03:02,320
kennedy space center operated those

2931
02:03:05,910 --> 02:03:03,599
missions led those missions from the

2932
02:03:07,350 --> 02:03:05,920
mission control center in houston

2933
02:03:09,990 --> 02:03:07,360
and then safely brought us back to

2934
02:03:11,990 --> 02:03:10,000
planet earth and uh you know what what

2935
02:03:13,830 --> 02:03:12,000
an incredible uh

2936
02:03:15,910 --> 02:03:13,840
charmed life i've i've lived to have

2937
02:03:17,750 --> 02:03:15,920
this opportunity to live out my boyhood

2938
02:03:19,589 --> 02:03:17,760

dreams um

2939

02:03:22,709 --> 02:03:19,599

it's it's really quite extraordinary to

2940

02:03:25,990 --> 02:03:22,719

be an american to uh be able to

2941

02:03:27,830 --> 02:03:26,000

uh grow up in an environment where

2942

02:03:29,350 --> 02:03:27,840

your country drake dreams big but then

2943

02:03:32,390 --> 02:03:29,360

has to resolve to

2944

02:03:34,550 --> 02:03:32,400

fulfill those those challenges and i i

2945

02:03:36,629 --> 02:03:34,560

like uh brian and others have said i

2946

02:03:38,709 --> 02:03:36,639

think the future is is indeed extremely

2947

02:03:39,589 --> 02:03:38,719

bright and uh you know for the young

2948

02:03:41,350 --> 02:03:39,599

people

2949

02:03:43,669 --> 02:03:41,360

our your future in spaces is

2950

02:03:46,229 --> 02:03:43,679

extraordinary as well

2951

02:03:50,870 --> 02:03:48,629

so uh you know i've worked with so many

2952

02:03:52,790 --> 02:03:50,880

extraordinary people flight directors

2953

02:03:55,030 --> 02:03:52,800

many fellow crew members are here here

2954

02:03:56,870 --> 02:03:55,040

today uh including members of the hall

2955

02:03:58,950 --> 02:03:56,880

of fame but i have my

2956

02:04:00,310 --> 02:03:58,960

uh commander for my last mission pam

2957

02:04:01,910 --> 02:04:00,320

melroy in the back

2958

02:04:02,950 --> 02:04:01,920

a wonderful leader and she trained

2959

02:04:05,430 --> 02:04:02,960

underneath

2960

02:04:07,510 --> 02:04:05,440

none other than brian duffy and the the

2961

02:04:09,350 --> 02:04:07,520

skill set passed directly to you it was

2962

02:04:11,669 --> 02:04:09,360

amazing and i understand it your skill

2963

02:04:14,149 --> 02:04:11,679

set transitioned from charlie bolden so

2964

02:04:16,310 --> 02:04:14,159

there's the there's the lineage

2965

02:04:17,910 --> 02:04:16,320

dantani was uh

2966

02:04:19,589 --> 02:04:17,920

on our crew as well

2967

02:04:22,310 --> 02:04:19,599

did a space walk with him on my last

2968

02:04:24,790 --> 02:04:22,320

flight sts-120 and he was a robotics

2969

02:04:27,030 --> 02:04:24,800

guru along with stephanie wilson and

2970

02:04:28,390 --> 02:04:27,040

then my very good friend one of my best

2971

02:04:31,030 --> 02:04:28,400

friends in the known universe doug

2972

02:04:33,030 --> 02:04:31,040

wheelock is here and uh

2973

02:04:34,709 --> 02:04:33,040

just thank the the world of him and i'm

2974

02:04:37,189 --> 02:04:34,719

gonna brag about these guys a little bit

2975

02:04:39,510 --> 02:04:37,199

long later in my commentary

2976
02:04:40,950 --> 02:04:39,520
and uh and then we have dina contella

2977
02:04:43,109 --> 02:04:40,960
who is uh

2978
02:04:44,550 --> 02:04:43,119
our lead eva flight controller she's in

2979
02:04:46,470 --> 02:04:44,560
the back she's hiding but i'm gonna have

2980
02:04:48,870 --> 02:04:46,480
her stand up later she's very shy not

2981
02:04:50,149 --> 02:04:48,880
really but um but i'm gonna brag about

2982
02:04:52,149 --> 02:04:50,159
her as well

2983
02:04:54,470 --> 02:04:52,159
and i think i have some of my nbl dive

2984
02:04:56,149 --> 02:04:54,480
team buddies here uh who

2985
02:04:56,950 --> 02:04:56,159
and all the spacewalks that i did i did

2986
02:04:59,189 --> 02:04:56,960
seven

2987
02:05:01,030 --> 02:04:59,199
trips outside i always felt like they

2988
02:05:04,069 --> 02:05:01,040

were right over my shoulder

2989

02:05:06,069 --> 02:05:04,079

there to help me help to help guide me

2990

02:05:07,910 --> 02:05:06,079

coax that last bolt in hand me the tool

2991

02:05:09,669 --> 02:05:07,920

that i'm going to need next make me

2992

02:05:10,629 --> 02:05:09,679

think through the next procedure and and

2993

02:05:15,189 --> 02:05:10,639

so

2994

02:05:17,910 --> 02:05:15,199

i want to salute those guys especially

2995

02:05:20,149 --> 02:05:17,920

i think i need to embarrass my home team

2996

02:05:22,629 --> 02:05:20,159

who are right over here in the third row

2997

02:05:25,030 --> 02:05:22,639

uh and i'll start with my folks uh

2998

02:05:26,709 --> 02:05:25,040

because they're my dad is uh at the edge

2999

02:05:28,629 --> 02:05:26,719

there and my mom uh ed and linda

3000

02:05:30,550 --> 02:05:28,639

parazynski i embarrassed them a little

3001

02:05:33,030 --> 02:05:30,560

bit last night we're at the saturn five

3002

02:05:35,910 --> 02:05:33,040

center it was really a poignant place to

3003

02:05:37,030 --> 02:05:35,920

to talk about the impact that

3004

02:05:39,589 --> 02:05:37,040

they had in my life they're very

3005

02:05:42,390 --> 02:05:39,599

adventurous folks as well it didn't fall

3006

02:05:44,310 --> 02:05:42,400

you know far from the tree but

3007

02:05:46,149 --> 02:05:44,320

they traveled extensively even before i

3008

02:05:47,669 --> 02:05:46,159

was born i think i took my first flight

3009

02:05:50,069 --> 02:05:47,679

when my mom was six months pregnant they

3010

02:05:53,109 --> 02:05:50,079

went to south america and so i actually

3011

02:05:53,910 --> 02:05:53,119

logged some hours uh um even before uh

3012

02:05:55,270 --> 02:05:53,920

uh

3013

02:05:57,830 --> 02:05:55,280

being born but

3014

02:06:00,310 --> 02:05:57,840

you know had a travel bug and a sense of

3015

02:06:01,270 --> 02:06:00,320

curiosity about the world and and never

3016

02:06:03,910 --> 02:06:01,280

any

3017

02:06:05,350 --> 02:06:03,920

hard limits on what i could try and

3018

02:06:08,550 --> 02:06:05,360

challenge myself

3019

02:06:11,510 --> 02:06:08,560

they might have asked questions and and

3020

02:06:13,270 --> 02:06:11,520

tried to steer me in other more safe uh

3021

02:06:15,350 --> 02:06:13,280

directions but they never held me back

3022

02:06:17,990 --> 02:06:15,360

and and so i certainly attribute a lot

3023

02:06:19,350 --> 02:06:18,000

of what uh became of my life to my my

3024

02:06:21,910 --> 02:06:19,360

wonderful parents

3025

02:06:23,510 --> 02:06:21,920

um and so underneath the uh the saturn v

3026

02:06:25,589 --> 02:06:23,520

last night was really really kind of

3027

02:06:27,030 --> 02:06:25,599

neat so this is the largest rocket ever

3028

02:06:29,109 --> 02:06:27,040

built uh

3029

02:06:31,750 --> 02:06:29,119

up to this point and uh you know at the

3030

02:06:32,950 --> 02:06:31,760

very tail end of that ship are five f1

3031

02:06:35,510 --> 02:06:32,960

engines that

3032

02:06:37,990 --> 02:06:35,520

propelled that saturn v stack off to the

3033

02:06:38,950 --> 02:06:38,000

moon and my dad was an engineer on the

3034

02:06:41,270 --> 02:06:38,960

program

3035

02:06:42,790 --> 02:06:41,280

and uh did a lot of work in the design

3036

02:06:45,189 --> 02:06:42,800

and test of that vehicle so it was

3037

02:06:48,390 --> 02:06:45,199

really really special to be there my son

3038

02:06:51,270 --> 02:06:48,400

luke is here as well and uh i try not to

3039

02:06:53,510 --> 02:06:51,280

embarrass him it's pretty easy to do but

3040

02:06:56,550 --> 02:06:53,520

he's he's a fantastic kid he's just

3041

02:06:58,870 --> 02:06:56,560

finished his freshman year at baylor

3042

02:07:00,310 --> 02:06:58,880

a real scholar but he's also very social

3043

02:07:02,550 --> 02:07:00,320

he's a wonderful

3044

02:07:05,189 --> 02:07:02,560

empathetic person he's a great big

3045

02:07:07,030 --> 02:07:05,199

brother to his sister jenna and uh can't

3046

02:07:07,990 --> 02:07:07,040

think yeah i can't say

3047

02:07:10,069 --> 02:07:08,000

uh

3048

02:07:12,229 --> 02:07:10,079

you know enough wonderful things about

3049

02:07:16,149 --> 02:07:12,239

the young man that he's becoming so i

3050

02:07:22,069 --> 02:07:18,950

and uh i did not bring my my younger

3051
02:07:23,910 --> 02:07:22,079
daughter jenna with me she's 16 but she

3052
02:07:25,510 --> 02:07:23,920
is autistic and quite honestly you guys

3053
02:07:27,109 --> 02:07:25,520
are a little bit too rowdy i think the

3054
02:07:29,030 --> 02:07:27,119
noise in this room this cavernous room

3055
02:07:29,830 --> 02:07:29,040
would be a little bit distracting to her

3056
02:07:31,510 --> 02:07:29,840
but

3057
02:07:34,229 --> 02:07:31,520
she stayed home

3058
02:07:34,950 --> 02:07:34,239
but she's certainly the apple of my eye

3059
02:07:37,750 --> 02:07:34,960
and

3060
02:07:39,750 --> 02:07:37,760
you know a wonderful

3061
02:07:42,709 --> 02:07:39,760
gift in our in our lives and then

3062
02:07:45,510 --> 02:07:42,719
finally uh the love of my life uh mina

3063
02:07:47,510 --> 02:07:45,520

mini wadwa is with me here today uh

3064

02:07:49,990 --> 02:07:47,520

she's you know breathtaking

3065

02:07:50,709 --> 02:07:50,000

beautiful she's uh she's brilliant she's

3066

02:07:53,589 --> 02:07:50,719

uh

3067

02:07:54,390 --> 02:07:53,599

one of the world's leaders in her field

3068

02:07:56,390 --> 02:07:54,400

but

3069

02:07:58,149 --> 02:07:56,400

she's also just the most

3070

02:08:00,229 --> 02:07:58,159

wonderful loving passionate

3071

02:08:02,870 --> 02:08:00,239

person i've ever met and

3072

02:08:04,629 --> 02:08:02,880

you know i can't imagine you know

3073

02:08:06,830 --> 02:08:04,639

going through this life with without

3074

02:08:12,550 --> 02:08:06,840

without many with me

3075

02:08:15,830 --> 02:08:14,310

so as i was starting to say a little bit

3076

02:08:17,109 --> 02:08:15,840

earlier i was i was very fortunate to

3077

02:08:19,270 --> 02:08:17,119

work with some of the world's best and

3078

02:08:20,870 --> 02:08:19,280

brightest on my my five spatial

3079

02:08:22,310 --> 02:08:20,880

emissions and i wish i could brag on

3080

02:08:23,510 --> 02:08:22,320

every single one of the people that i

3081

02:08:25,830 --> 02:08:23,520

worked with but obviously we don't have

3082

02:08:28,390 --> 02:08:25,840

time to do that here today but space

3083

02:08:31,589 --> 02:08:28,400

exploration is very much a team sport

3084

02:08:33,109 --> 02:08:31,599

and nasa is is a champion it's just

3085

02:08:35,510 --> 02:08:33,119

remarkable what

3086

02:08:37,270 --> 02:08:35,520

what this organization does and and i

3087

02:08:38,870 --> 02:08:37,280

feel so gifted to have been a part of

3088

02:08:42,390 --> 02:08:38,880

the grander vision the common

3089

02:08:44,550 --> 02:08:42,400

denominator at nasa in my uh my mind is

3090

02:08:45,830 --> 02:08:44,560

a shared sense of a higher purpose

3091

02:08:48,790 --> 02:08:45,840

you're working to explore for the

3092

02:08:51,830 --> 02:08:48,800

betterment of humanity

3093

02:08:53,589 --> 02:08:51,840

so i'll just very briefly talk uh about

3094

02:08:56,149 --> 02:08:53,599

some of my flight history but i i was

3095

02:08:58,709 --> 02:08:56,159

very lucky to fly with ellen ochoa who i

3096

02:09:00,470 --> 02:08:58,719

believe is some some there's alan here

3097

02:09:01,189 --> 02:09:00,480

yeah so on my first flight i flew with

3098

02:09:07,109 --> 02:09:01,199

uh

3099

02:09:09,109 --> 02:09:07,119

that lucky flight sts-66 and actually

3100

02:09:11,430 --> 02:09:09,119

ellen was my my mentor in that flight

3101

02:09:13,109 --> 02:09:11,440

she was the veteran

3102

02:09:15,589 --> 02:09:13,119

astronaut mission specialist who had

3103

02:09:17,350 --> 02:09:15,599

done a similar flight

3104

02:09:19,109 --> 02:09:17,360

on her first mission and

3105

02:09:21,750 --> 02:09:19,119

i continue to learn from her today she's

3106

02:09:23,750 --> 02:09:21,760

just an amazing person

3107

02:09:25,109 --> 02:09:23,760

when i got back from that flight you

3108

02:09:26,870 --> 02:09:25,119

know it was such an overwhelming

3109

02:09:28,390 --> 02:09:26,880

exciting experience the first thing i

3110

02:09:30,870 --> 02:09:28,400

wanted to do is you know get back in

3111

02:09:32,870 --> 02:09:30,880

line and go again and uh

3112

02:09:35,430 --> 02:09:32,880

and so uh they were actually looking for

3113

02:09:37,510 --> 02:09:35,440

volunteers to go to the russian space

3114

02:09:39,030 --> 02:09:37,520

station mirror and there didn't seem to

3115

02:09:42,069 --> 02:09:39,040

be all that many volunteers for poor

3116

02:09:43,910 --> 02:09:42,079

hoot and uh so i went over to the hoots

3117

02:09:46,950 --> 02:09:43,920

office and uh said hey coach you know

3118

02:09:49,030 --> 02:09:46,960

put me in and he was very excited to uh

3119

02:09:51,589 --> 02:09:49,040

to get me in training

3120

02:09:54,790 --> 02:09:51,599

for a couple of reasons i think

3121

02:09:56,470 --> 02:09:54,800

one is because i'm a big goon and so

3122

02:09:58,950 --> 02:09:56,480

being a big goon i was sort of a test

3123

02:10:00,950 --> 02:09:58,960

case for what we could fit into the

3124

02:10:03,189 --> 02:10:00,960

soyuz capsule in the future we needed to

3125

02:10:05,750 --> 02:10:03,199

we needed to use that spacecraft to

3126
02:10:07,589 --> 02:10:05,760
evacuate the international space station

3127
02:10:10,470 --> 02:10:07,599
once we started to build it uh in a few

3128
02:10:12,149 --> 02:10:10,480
years hence and so i was sort of a test

3129
02:10:14,629 --> 02:10:12,159
case and

3130
02:10:15,990 --> 02:10:14,639
as rommel talked about i i turned out to

3131
02:10:17,750 --> 02:10:16,000
fail that test

3132
02:10:19,750 --> 02:10:17,760
and i got a better call sign to tal

3133
02:10:21,430 --> 02:10:19,760
perzinski which i i still try and hold

3134
02:10:23,990 --> 02:10:21,440
on to but you know what's interesting

3135
02:10:25,750 --> 02:10:24,000
now rommel i actually really like people

3136
02:10:27,270 --> 02:10:25,760
calling me doogie right now you know i

3137
02:10:28,870 --> 02:10:27,280
can't pull it off quite as well i got a

3138
02:10:30,390 --> 02:10:28,880

little bit of gray going on here but

3139

02:10:32,069 --> 02:10:30,400

it's still every once in a while people

3140

02:10:34,229 --> 02:10:32,079

do come up to me and call me doogie and

3141

02:10:35,350 --> 02:10:34,239

you can call me doogee if you'd like

3142

02:10:36,470 --> 02:10:35,360

any time

3143

02:10:39,510 --> 02:10:36,480

um

3144

02:10:42,950 --> 02:10:39,520

but in an event uh i ended up

3145

02:10:46,229 --> 02:10:42,960

returning to planet earth

3146

02:10:49,669 --> 02:10:46,239

after a great mission on sts-86 with wex

3147

02:10:51,350 --> 02:10:49,679

wex is my commander and uh did a uh

3148

02:10:53,189 --> 02:10:51,360

an incredible five-day dock mission to

3149

02:10:55,350 --> 02:10:53,199

the russian space station mirror i went

3150

02:10:57,750 --> 02:10:55,360

out with one of the the most experienced

3151

02:10:59,350 --> 02:10:57,760

cosmonauts in the world velodya titov he

3152

02:11:01,589 --> 02:10:59,360

was the very first human to spend a

3153

02:11:03,589 --> 02:11:01,599

consecutive year off of the planet

3154

02:11:05,910 --> 02:11:03,599

i got a chance to to lead a spacewalk

3155

02:11:09,189 --> 02:11:05,920

with him on his space stations which i

3156

02:11:11,669 --> 02:11:09,199

thought was was really extraordinary

3157

02:11:13,030 --> 02:11:11,679

sooner after landing actually i

3158

02:11:14,870 --> 02:11:13,040

i was at a monday morning meeting i

3159

02:11:16,149 --> 02:11:14,880

think and uh

3160

02:11:18,229 --> 02:11:16,159

the head of the office i think it was

3161

02:11:20,629 --> 02:11:18,239

ken cockrell taco at the time

3162

02:11:22,709 --> 02:11:20,639

he said uh hey doogie no i think he

3163

02:11:25,189 --> 02:11:22,719

might have called me too tall um at that

3164

02:11:26,550 --> 02:11:25,199

point uh hey hey too tall can you stop

3165

02:11:28,550 --> 02:11:26,560

by my office after the meeting and i

3166

02:11:30,709 --> 02:11:28,560

thought uh oh i'm in trouble you know i

3167

02:11:31,750 --> 02:11:30,719

just landed from sda's 86 a couple

3168

02:11:33,270 --> 02:11:31,760

months ago

3169

02:11:34,310 --> 02:11:33,280

or thereabouts

3170

02:11:36,229 --> 02:11:34,320

and i'm getting called into the

3171

02:11:37,750 --> 02:11:36,239

principal's office

3172

02:11:39,990 --> 02:11:37,760

not a good sign you know i i was

3173

02:11:43,910 --> 02:11:40,000

thinking myself okay what did i do now

3174

02:11:45,589 --> 02:11:43,920

uh but uh as i walked in he said hey uh

3175

02:11:46,870 --> 02:11:45,599

how'd you like to go fly with senator

3176

02:11:49,030 --> 02:11:46,880

john glenn

3177

02:11:50,470 --> 02:11:49,040

and my jaw dropped you know thinking my

3178

02:11:52,629 --> 02:11:50,480

god i'm gonna get a chance to fly with

3179

02:11:55,350 --> 02:11:52,639

my boyhood hero and it was such an

3180

02:11:56,229 --> 02:11:55,360

extraordinary experience to fly

3181

02:11:58,390 --> 02:11:56,239

with

3182

02:12:00,390 --> 02:11:58,400

not just a legend but a great human

3183

02:12:02,470 --> 02:12:00,400

being and to get to know his wife annie

3184

02:12:04,069 --> 02:12:02,480

and the rest of his family

3185

02:12:06,390 --> 02:12:04,079

what an extraordinary life experience

3186

02:12:08,310 --> 02:12:06,400

and i just one story from that

3187

02:12:09,830 --> 02:12:08,320

time but

3188

02:12:11,750 --> 02:12:09,840

i remember when he walked into our crew

3189

02:12:13,750 --> 02:12:11,760

office the very first day

3190

02:12:15,589 --> 02:12:13,760

he said if any of you guys even think

3191

02:12:17,510 --> 02:12:15,599

about calling me senator glenn i'm going

3192

02:12:19,430 --> 02:12:17,520

to ignore you i'm just payload

3193

02:12:22,470 --> 02:12:19,440

specialist number two or you can call me

3194

02:12:23,990 --> 02:12:22,480

john but nothing else and he insisted on

3195

02:12:27,189 --> 02:12:24,000

just being one of the guys even though

3196

02:12:29,030 --> 02:12:27,199

we were obviously in reverence uh to him

3197

02:12:30,790 --> 02:12:29,040

it's sort of uh what we would call a

3198

02:12:32,550 --> 02:12:30,800

high pucker factor assignment for me

3199

02:12:34,950 --> 02:12:32,560

because you know i was the

3200

02:12:36,470 --> 02:12:34,960

the flight surgeon the the guy

3201

02:12:38,229 --> 02:12:36,480

responsible for taking care of john on

3202

02:12:40,790 --> 02:12:38,239

the flight and if something happened to

3203

02:12:43,189 --> 02:12:40,800

77 year old american hero legend john

3204

02:12:43,990 --> 02:12:43,199

glenn i might as well not come back home

3205

02:12:45,589 --> 02:12:44,000

so

3206

02:12:48,709 --> 02:12:45,599

but things went great he was in super

3207

02:12:51,350 --> 02:12:48,719

shape and we had an amazing mission

3208

02:12:53,270 --> 02:12:51,360

then i got to fly with rommel here and

3209

02:12:56,069 --> 02:12:53,280

my buddy chris hadfield and jeff ashby

3210

02:12:57,430 --> 02:12:56,079

and we just had a a great great crew

3211

02:12:59,109 --> 02:12:57,440

great camaraderie

3212

02:13:00,950 --> 02:12:59,119

jokes all the time but when it really

3213

02:13:03,510 --> 02:13:00,960

counted we got the work done

3214

02:13:06,069 --> 02:13:03,520

and i told the story a fun story last

3215

02:13:08,149 --> 02:13:06,079

night from that mission but

3216

02:13:10,149 --> 02:13:08,159

our lives changed forever with the loss

3217

02:13:11,350 --> 02:13:10,159

of our columbia crew and sts-107 of

3218

02:13:14,149 --> 02:13:11,360

course

3219

02:13:15,430 --> 02:13:14,159

rick willey dave kulpner mike laurel

3220

02:13:17,430 --> 02:13:15,440

elon

3221

02:13:20,550 --> 02:13:17,440

i can't ever you know forget their their

3222

02:13:22,310 --> 02:13:20,560

brave sacrifice we can't ever take uh

3223

02:13:24,870 --> 02:13:22,320

take space flight for granted you know

3224

02:13:26,629 --> 02:13:24,880

it's it's it still takes a lot of force

3225

02:13:28,709 --> 02:13:26,639

to get to break the surly bonds of earth

3226

02:13:30,709 --> 02:13:28,719

and to get up into space so even though

3227

02:13:32,470 --> 02:13:30,719

we're at this new forefront of uh

3228

02:13:34,470 --> 02:13:32,480

commercial space flight and we're gonna

3229

02:13:36,310 --> 02:13:34,480

see you know greater frequency of space

3230

02:13:38,470 --> 02:13:36,320

flight operations we can't ever let our

3231

02:13:42,629 --> 02:13:38,480

guard down this is an industry that does

3232

02:13:45,030 --> 02:13:42,639

not allow for any any error

3233

02:13:46,550 --> 02:13:45,040

so at that point uh i honestly

3234

02:13:48,470 --> 02:13:46,560

uh when we lost the career i honestly

3235

02:13:50,629 --> 02:13:48,480

considered hanging up my spacesuit you

3236

02:13:51,830 --> 02:13:50,639

know i had two wonderful kids at home

3237

02:13:54,069 --> 02:13:51,840

and i didn't

3238

02:13:56,390 --> 02:13:54,079

know if it was right for me to continue

3239

02:13:59,189 --> 02:13:56,400

uh taking those risks but being as close

3240

02:14:01,510 --> 02:13:59,199

as i was to that crew and with the the

3241

02:14:02,629 --> 02:14:01,520

energy that was building around the

3242

02:14:05,990 --> 02:14:02,639

agency

3243

02:14:07,430 --> 02:14:06,000

it was just uh nasa's added at its

3244

02:14:09,830 --> 02:14:07,440

finest

3245

02:14:11,990 --> 02:14:09,840

the whole agency came together to

3246

02:14:14,310 --> 02:14:12,000

develop methods and and procedures to

3247

02:14:16,870 --> 02:14:14,320

get us back to flight as quickly as we

3248

02:14:18,470 --> 02:14:16,880

could and i had the great opportunity to

3249

02:14:19,750 --> 02:14:18,480

fly one more time

3250

02:14:22,229 --> 02:14:19,760

but i would just say that you know when

3251

02:14:24,149 --> 02:14:22,239

when the chips are down are down nasa

3252

02:14:28,310 --> 02:14:24,159

rises to the occasion

3253

02:14:31,350 --> 02:14:28,320

and um and uh soon uh uh thereafter i

3254

02:14:34,629 --> 02:14:31,360

was assigned to what i would consider my

3255

02:14:37,030 --> 02:14:34,639

my most amazing uh flight experience uh

3256

02:14:39,030 --> 02:14:37,040

and uh just an extraordinary crew led by

3257

02:14:41,430 --> 02:14:39,040

pambo sts-120

3258

02:14:43,189 --> 02:14:41,440

and it was an extremely complex space

3259

02:14:44,870 --> 02:14:43,199

station assembly flight we had to

3260

02:14:46,550 --> 02:14:44,880

install a new module called harmony it

3261

02:14:48,229 --> 02:14:46,560

was an interconnecting node that had

3262

02:14:51,030 --> 02:14:48,239

these different serial radial ports that

3263

02:14:53,350 --> 02:14:51,040

would allow us to plug in

3264

02:14:55,350 --> 02:14:53,360

European and Japanese modules

3265

02:14:57,910 --> 02:14:55,360

and then we had to relocate this

3266

02:15:00,149 --> 02:14:57,920

p6 truss a solar ray truss from the top

3267

02:15:02,629 --> 02:15:00,159

of the space station and plug it in at

3268

02:15:04,629 --> 02:15:02,639

the very tip of the space station

3269

02:15:07,109 --> 02:15:04,639

using robotics and lots and lots of

3270

02:15:09,109 --> 02:15:07,119

space walking and then extend these

3271

02:15:10,870 --> 02:15:09,119

solar panels so that we could power

3272

02:15:11,990 --> 02:15:10,880

those European and Japanese modules in

3273

02:15:14,629 --> 02:15:12,000

the future

3274

02:15:16,310 --> 02:15:14,639

and uh it was really

3275

02:15:18,390 --> 02:15:16,320

a spacewalker's dream to be assigned to

3276

02:15:20,950 --> 02:15:18,400

that flight and also to be on our crew

3277

02:15:24,069 --> 02:15:20,960

we had a wonderful crew led by pambo but

3278

02:15:25,510 --> 02:15:24,079

george zamka was our our pilot uh zambo

3279

02:15:26,709 --> 02:15:25,520

pambo and zambo so we became the

3280

02:15:28,790 --> 02:15:26,719

rambonauts

3281

02:15:30,629 --> 02:15:28,800

uh of course and i became longbow i got

3282

02:15:34,629 --> 02:15:30,639

another call sign out of that that mix

3283

02:15:37,189 --> 02:15:34,639

which is great uh wheels got a flambeau

3284

02:15:38,709 --> 02:15:37,199

because of his pyrotechnic skills

3285

02:15:41,990 --> 02:15:38,719

and then we had

3286

02:15:44,870 --> 02:15:42,000

dantani who became boichi

3287

02:15:47,669 --> 02:15:44,880

and stephanie wilson who was our flight

3288

02:15:50,229 --> 02:15:47,679

engineer and robotics guru he became

3289

02:15:53,510 --> 02:15:50,239

i'm sorry she became robo and then paulo

3290

02:15:55,669 --> 02:15:53,520

naspoli who was uh kind of a jack of all

3291

02:15:57,669 --> 02:15:55,679

trades uh and then also the eva

3292

02:15:59,830 --> 02:15:57,679

quarterback we didn't really have a cool

3293

02:16:02,870 --> 02:15:59,840

bow name for him so he became the

3294

02:16:05,350 --> 02:16:02,880

italian stallion you know for the uh

3295

02:16:07,910 --> 02:16:05,360

for the same theme but uh

3296

02:16:09,830 --> 02:16:07,920

but anyway i just wanted to uh to talk

3297

02:16:12,069 --> 02:16:09,840

briefly about the solar ray repair that

3298

02:16:14,390 --> 02:16:12,079

we did which i consider to be among

3299

02:16:15,430 --> 02:16:14,400

nasa's finest hours nasa's had so many

3300

02:16:18,149 --> 02:16:15,440

incredible

3301

02:16:19,589 --> 02:16:18,159

uh winds uh overcoming adversity but

3302

02:16:22,069 --> 02:16:19,599

this certainly has to be one of the most

3303

02:16:23,589 --> 02:16:22,079

extraordinary things that nasa's ever

3304

02:16:24,870 --> 02:16:23,599

done and certainly in the shuttle

3305

02:16:27,350 --> 02:16:24,880

station era

3306

02:16:29,109 --> 02:16:27,360

but as this solar panel was being

3307

02:16:30,629 --> 02:16:29,119

extended out at the very tip of the

3308

02:16:32,469 --> 02:16:30,639

space station

3309

02:16:34,230 --> 02:16:32,479

this guide wire that had become frayed

3310

02:16:35,429 --> 02:16:34,240

began to rip apart the panel in a couple

3311

02:16:36,389 --> 02:16:35,439

of spots

3312

02:16:38,309 --> 02:16:36,399

and so

3313

02:16:41,270 --> 02:16:38,319

the crew actually inside it was pambo

3314

02:16:42,950 --> 02:16:41,280

and our space station commander steph um

3315

02:16:44,950 --> 02:16:42,960

peggy will

3316

02:16:47,349 --> 02:16:44,960

peggy whitson excuse me

3317

02:16:48,549 --> 02:16:47,359

were hawking this very closely

3318

02:16:50,230 --> 02:16:48,559

they didn't have the greatest camera

3319

02:16:51,750 --> 02:16:50,240

views but they saw that something was

3320

02:16:53,270 --> 02:16:51,760

wrong the dynamics were all wrong they

3321

02:16:54,950 --> 02:16:53,280

stopped it immediately

3322

02:16:56,950 --> 02:16:54,960

and we had a big problem on our hands

3323

02:17:00,709 --> 02:16:56,960

you know we have basically a limp noodle

3324

02:17:02,709 --> 02:17:00,719

out there and uh you know what do you do

3325

02:17:04,230 --> 02:17:02,719

we couldn't retract it at that point we

3326

02:17:05,030 --> 02:17:04,240

couldn't extend it

3327

02:17:06,150 --> 02:17:05,040

and

3328

02:17:08,309 --> 02:17:06,160

we didn't even have really good

3329

02:17:10,709 --> 02:17:08,319

visibility to what the problem was

3330

02:17:13,110 --> 02:17:10,719

and what i love about nasa is when the

3331

02:17:14,469 --> 02:17:13,120

the chips are at their lowest they they

3332

02:17:16,469 --> 02:17:14,479

regroup they get their best and

3333

02:17:17,830 --> 02:17:16,479

brightest together around the table and

3334

02:17:19,830 --> 02:17:17,840

they come up with a brilliant plan and

3335

02:17:22,150 --> 02:17:19,840

that's exactly what they did people work

3336

02:17:24,629 --> 02:17:22,160

around the clock for 72 hours

3337

02:17:25,429 --> 02:17:24,639

i'm sure lots of uh

3338

02:17:27,910 --> 02:17:25,439

you know

3339

02:17:29,509 --> 02:17:27,920

pizza and caffeine were involved but

3340

02:17:31,190 --> 02:17:29,519

working around the clock developed an

3341

02:17:33,110 --> 02:17:31,200

extraordinary

3342

02:17:34,389 --> 02:17:33,120

multi-faceted approach to get a space

3343

02:17:35,830 --> 02:17:34,399

walker out to the very tip of the space

3344

02:17:37,669 --> 02:17:35,840

station further than we'd ever meant

3345

02:17:39,190 --> 02:17:37,679

were ever meant to go

3346

02:17:41,110 --> 02:17:39,200

using tools that had never been built

3347

02:17:43,270 --> 02:17:41,120

before using a coupled together robotic

3348

02:17:44,469 --> 02:17:43,280

system that was never imagined before

3349

02:17:48,389 --> 02:17:44,479

and uh

3350

02:17:50,150 --> 02:17:48,399

did something that we didn't really know

3351
02:17:52,549 --> 02:17:50,160
if we were going to be successful at and

3352
02:17:55,190 --> 02:17:52,559
uh but we we knew that

3353
02:17:57,270 --> 02:17:55,200
dina and derek hospin who unfortunately

3354
02:17:59,110 --> 02:17:57,280
couldn't be here today he was our

3355
02:18:01,349 --> 02:17:59,120
lead iss flight director he's going to

3356
02:18:05,669 --> 02:18:01,359
come but he had a conflict at the last

3357
02:18:06,870 --> 02:18:05,679
minute but other people like sarmad aziz

3358
02:18:07,990 --> 02:18:06,880
and others that i'm going to mention in

3359
02:18:09,589 --> 02:18:08,000
a second

3360
02:18:11,990 --> 02:18:09,599
were right there looking over our

3361
02:18:14,549 --> 02:18:12,000
shoulders and we felt confident that if

3362
02:18:16,070 --> 02:18:14,559
we didn't fix the problem that day

3363
02:18:17,990 --> 02:18:16,080

there would be a plan b or there would

3364

02:18:21,190 --> 02:18:18,000

be a plan c and we would get to that as

3365

02:18:23,110 --> 02:18:21,200

well but it it all worked extremely well

3366

02:18:24,629 --> 02:18:23,120

and i'm so proud to have been a part of

3367

02:18:25,990 --> 02:18:24,639

that and so one of the things i'd like

3368

02:18:27,910 --> 02:18:26,000

to do

3369

02:18:30,629 --> 02:18:27,920

if you can indulge me is i'd like to

3370

02:18:32,790 --> 02:18:30,639

just mention some names of people that

3371

02:18:35,270 --> 02:18:32,800

really contributed to this some are well

3372

02:18:37,190 --> 02:18:35,280

known names many are have probably never

3373

02:18:38,790 --> 02:18:37,200

been uttered in public before

3374

02:18:40,629 --> 02:18:38,800

certainly all these people are unsung

3375

02:18:43,190 --> 02:18:40,639

heroes for this effort but i just wanted

3376
02:18:45,509 --> 02:18:43,200
to mention them because they've done

3377
02:18:48,469 --> 02:18:45,519
extraordinary work first off i want to

3378
02:18:50,549 --> 02:18:48,479
mention the late great kevin pair who

3379
02:18:52,950 --> 02:18:50,559
passed very shortly after

3380
02:18:55,589 --> 02:18:52,960
sts-120 but he was kind of the the

3381
02:18:57,429 --> 02:18:55,599
godfather of of the cufflink that was

3382
02:18:59,669 --> 02:18:57,439
actually the technique that we used to

3383
02:19:01,910 --> 02:18:59,679
repair the solar panel

3384
02:19:03,270 --> 02:19:01,920
and uh i had the great good fortune to

3385
02:19:04,950 --> 02:19:03,280
go to his home

3386
02:19:06,870 --> 02:19:04,960
right after the mission i presented him

3387
02:19:09,270 --> 02:19:06,880
the astronaut's highest award the silver

3388
02:19:11,910 --> 02:19:09,280

snoopy along with the whole solar ray

3389

02:19:14,469 --> 02:19:11,920

team in the whole sts-120 team

3390

02:19:17,589 --> 02:19:14,479

and uh it was just a great celebration

3391

02:19:18,549 --> 02:19:17,599

of his life and and uh such a great

3392

02:19:21,190 --> 02:19:18,559

moment

3393

02:19:22,629 --> 02:19:21,200

for all of us to share with him

3394

02:19:24,309 --> 02:19:22,639

other members that i i'm just going to

3395

02:19:26,870 --> 02:19:24,319

run through their names again but derek

3396

02:19:28,469 --> 02:19:26,880

hossman dina catella

3397

02:19:31,190 --> 02:19:28,479

sarmad aziz

3398

02:19:33,830 --> 02:19:31,200

allison chica bollinger

3399

02:19:36,150 --> 02:19:33,840

my crew of course uh pam melroy george

3400

02:19:39,589 --> 02:19:36,160

zamka doug wheelock d'antoni stephanie

3401

02:19:41,669 --> 02:19:39,599

wilson pelonis polly peggy woodson

3402

02:19:43,509 --> 02:19:41,679

and then we also had clay anderson and

3403

02:19:44,790 --> 02:19:43,519

yuri melinchenko who were basically

3404

02:19:46,389 --> 02:19:44,800

attending the shop and the rest of the

3405

02:19:47,669 --> 02:19:46,399

station while all this work was taking

3406

02:19:50,870 --> 02:19:47,679

place

3407

02:19:53,830 --> 02:19:50,880

john ray glenda laws mike steele andrew

3408

02:19:55,190 --> 02:19:53,840

clem dina smith robert pickle

3409

02:19:56,710 --> 02:19:55,200

vincent lacourt

3410

02:19:59,910 --> 02:19:56,720

causer intiaz

3411

02:20:02,150 --> 02:19:59,920

dave mcconne scott keepers and then the

3412

02:20:04,230 --> 02:20:02,160

whole nbl dive team i think i see

3413

02:20:06,070 --> 02:20:04,240

sherwin wade right up here in the front

3414

02:20:09,270 --> 02:20:06,080

uh great friend

3415

02:20:11,270 --> 02:20:09,280

and many others and then we had

3416

02:20:13,030 --> 02:20:11,280

our capcoms and other astronauts that

3417

02:20:15,270 --> 02:20:13,040

were supporting this effort steve

3418

02:20:17,750 --> 02:20:15,280

swanson kevin ford and joe tanner and

3419

02:20:20,070 --> 02:20:17,760

then finally the vr lab dave holman and

3420

02:20:27,750 --> 02:20:20,080

evelyn morales so if you wouldn't mind

3421

02:20:31,030 --> 02:20:29,510

thank you

3422

02:20:33,910 --> 02:20:31,040

i really appreciate that

3423

02:20:35,429 --> 02:20:33,920

um i think uh what i'll do now is just

3424

02:20:37,349 --> 02:20:35,439

kind of reflect on

3425

02:20:39,670 --> 02:20:37,359

um probably what i'm most proud of for

3426

02:20:41,670 --> 02:20:39,680

my nasa years uh and it has nothing to

3427

02:20:43,429 --> 02:20:41,680

do with that a particular mission that i

3428

02:20:46,309 --> 02:20:43,439

flew and in fact it's it's more about

3429

02:20:49,590 --> 02:20:46,319

something that had longer reaching

3430

02:20:51,190 --> 02:20:49,600

uh benefits to our space program and uh

3431

02:20:52,630 --> 02:20:51,200

um you know

3432

02:20:54,150 --> 02:20:52,640

you may or may not realize this but most

3433

02:20:55,830 --> 02:20:54,160

of an astronaut's time is spent on the

3434

02:20:56,950 --> 02:20:55,840

ground unless you're scott kelly of

3435

02:20:57,670 --> 02:20:56,960

course and then

3436

02:20:59,270 --> 02:20:57,680

the

3437

02:21:00,870 --> 02:20:59,280

ratio is flipped but

3438

02:21:02,950 --> 02:21:00,880

for me i spent most of my career my

3439

02:21:04,870 --> 02:21:02,960

17-year career on the ground working in

3440

02:21:06,070 --> 02:21:04,880

support of others other missions other

3441

02:21:07,830 --> 02:21:06,080

other crews

3442

02:21:09,510 --> 02:21:07,840

other activities and so

3443

02:21:11,349 --> 02:21:09,520

um actually was working with charlie

3444

02:21:13,510 --> 02:21:11,359

precourt at the time

3445

02:21:14,870 --> 02:21:13,520

and i think i was deputy of the eva

3446

02:21:17,590 --> 02:21:14,880

branch at the time

3447

02:21:19,270 --> 02:21:17,600

and he lamented to me at this point that

3448

02:21:20,469 --> 02:21:19,280

we really didn't have enough space

3449

02:21:21,830 --> 02:21:20,479

walking astronauts to build the

3450

02:21:23,990 --> 02:21:21,840

international space station we had this

3451

02:21:25,270 --> 02:21:24,000

huge wall of eva

3452

02:21:27,030 --> 02:21:25,280

which basically meant that we had to do

3453

02:21:29,190 --> 02:21:27,040

dozens and dozens of spacewalks every

3454

02:21:31,510 --> 02:21:29,200

year many more than we had ever done

3455

02:21:32,870 --> 02:21:31,520

over the whole history of the the the

3456

02:21:36,070 --> 02:21:32,880

space program

3457

02:21:37,349 --> 02:21:36,080

and uh he basically just had 12 people

3458

02:21:39,510 --> 02:21:37,359

who were

3459

02:21:41,429 --> 02:21:39,520

qualified uh through the traditional

3460

02:21:43,910 --> 02:21:41,439

methods of getting trained and qualified

3461

02:21:46,550 --> 02:21:43,920

which basically consisted of four runs

3462

02:21:48,389 --> 02:21:46,560

wherein you had to learn that the skills

3463

02:21:49,750 --> 02:21:48,399

of spacewalking and then by the end of

3464

02:21:51,510 --> 02:21:49,760

it you needed to demonstrate that you

3465

02:21:54,389 --> 02:21:51,520

were really good or you were off the

3466

02:21:56,790 --> 02:21:54,399

list you were not qualified and uh and

3467

02:21:57,830 --> 02:21:56,800

so charlie said to me hey we need to fix

3468

02:22:00,469 --> 02:21:57,840

this

3469

02:22:01,590 --> 02:22:00,479

and uh so i went and i found the

3470

02:22:05,270 --> 02:22:01,600

cleverest

3471

02:22:07,750 --> 02:22:05,280

folks that i knew and a good friend

3472

02:22:10,230 --> 02:22:07,760

zane nay from the mission operations

3473

02:22:13,910 --> 02:22:10,240

directorate he's an eva instructor

3474

02:22:16,389 --> 02:22:13,920

and very very creative mind and he and i

3475

02:22:18,230 --> 02:22:16,399

set out to define

3476

02:22:19,910 --> 02:22:18,240

exactly what the gold standard of

3477

02:22:21,110 --> 02:22:19,920

spacewalking performance was all the

3478

02:22:23,110 --> 02:22:21,120

things that we do getting in foot

3479

02:22:25,429 --> 02:22:23,120

restraints going in and out of airlocks

3480

02:22:27,110 --> 02:22:25,439

operating power tools the communications

3481

02:22:29,910 --> 02:22:27,120

uh the crew coordination the many things

3482

02:22:32,070 --> 02:22:29,920

that go into a very complex spacewalk

3483

02:22:34,950 --> 02:22:32,080

and we we pulled in two other people

3484

02:22:37,190 --> 02:22:34,960

rich gavrow and chris looper and uh and

3485

02:22:39,190 --> 02:22:37,200

we created this program where

3486

02:22:41,030 --> 02:22:39,200

the entire office could kind of come

3487

02:22:42,630 --> 02:22:41,040

back in and say hey you know

3488

02:22:44,230 --> 02:22:42,640

where are your strengths where are your

3489

02:22:46,550 --> 02:22:44,240

weaknesses let's let's train to those

3490

02:22:48,150 --> 02:22:46,560

weaknesses let's get you up to that gold

3491

02:22:49,590 --> 02:22:48,160

standard level or to a point where we

3492

02:22:51,990 --> 02:22:49,600

can qualify you

3493

02:22:53,510 --> 02:22:52,000

and i'm so proud to say that you know we

3494

02:22:55,429 --> 02:22:53,520

were able to build the international

3495

02:22:57,429 --> 02:22:55,439

space station and i think in in

3496

02:22:59,030 --> 02:22:57,439

considerable part because we had the

3497

02:23:01,750 --> 02:22:59,040

skills program that

3498

02:23:03,990 --> 02:23:01,760

gave us a full complement of very highly

3499

02:23:06,469 --> 02:23:04,000

qualified space walkers i i can't even

3500

02:23:07,429 --> 02:23:06,479

imagine going out on my very first space

3501
02:23:09,190 --> 02:23:07,439
mission

3502
02:23:10,389 --> 02:23:09,200
and doing what doug wheelock did you

3503
02:23:12,550 --> 02:23:10,399
know the three

3504
02:23:15,030 --> 02:23:12,560
incredibly difficult complex audacious

3505
02:23:17,429 --> 02:23:15,040
space walks uh with four training runs

3506
02:23:19,110 --> 02:23:17,439
and a limited qual

3507
02:23:21,590 --> 02:23:19,120
so you know i think it's a real

3508
02:23:23,510 --> 02:23:21,600
testament um to

3509
02:23:25,349 --> 02:23:23,520
to doug and uh to the others who

3510
02:23:27,429 --> 02:23:25,359
followed in this program to

3511
02:23:31,190 --> 02:23:27,439
to uh to build this international space

3512
02:23:36,469 --> 02:23:34,309
um so again i just wanted to salute uh

3513
02:23:39,510 --> 02:23:36,479

uh some wonderful people and unsung

3514

02:23:41,349 --> 02:23:39,520

heroes zane rich and chris

3515

02:23:43,510 --> 02:23:41,359

and then finally uh i wanted to point

3516

02:23:44,950 --> 02:23:43,520

out that the astronaut hall of fame

3517

02:23:46,469 --> 02:23:44,960

really has nothing to do with brian or

3518

02:23:48,070 --> 02:23:46,479

myself here today

3519

02:23:49,270 --> 02:23:48,080

or even the space pioneers in front of

3520

02:23:52,150 --> 02:23:49,280

me

3521

02:23:54,230 --> 02:23:52,160

created

3522

02:23:56,950 --> 02:23:54,240

by the mercury seven astronauts to use

3523

02:23:59,429 --> 02:23:56,960

their notoriety uh to help inspire and

3524

02:24:01,750 --> 02:23:59,439

support financially our our best and

3525

02:24:04,950 --> 02:24:01,760

brightest in stem fields and and so i'm

3526

02:24:06,710 --> 02:24:04,960

so honored and excited to support uh the

3527

02:24:09,270 --> 02:24:06,720

astronaut scholarship foundation going

3528

02:24:10,950 --> 02:24:09,280

forward i think it's a brilliant program

3529

02:24:12,469 --> 02:24:10,960

and

3530

02:24:14,070 --> 02:24:12,479

i also wanted to thank the astronaut

3531

02:24:16,870 --> 02:24:14,080

scholarship foundation for arranging

3532

02:24:20,950 --> 02:24:16,880

this incredible incredible event tammy

3533

02:24:25,110 --> 02:24:22,870

and so as you leave this place i just

3534

02:24:26,389 --> 02:24:25,120

wanted to put in one shameless plug but

3535

02:24:27,830 --> 02:24:26,399

please consider

3536

02:24:29,670 --> 02:24:27,840

opening up your hearts and also your

3537

02:24:31,110 --> 02:24:29,680

checkbooks and writing a big check to

3538

02:24:33,190 --> 02:24:31,120

the astronaut scholarship foundation as

3539

02:24:35,349 --> 02:24:33,200

you leave this place um

3540

02:24:36,790 --> 02:24:35,359

so in closing i just wanted to uh

3541

02:24:38,790 --> 02:24:36,800

congratulate all of the brilliant

3542

02:24:40,870 --> 02:24:38,800

astronaut scholars who were here today i

3543

02:24:43,990 --> 02:24:40,880

wanted to congratulate and apologize to

3544

02:24:48,150 --> 02:24:46,309

for this well-deserved honor and my

3545

02:24:50,389 --> 02:24:48,160

thanks to the astronaut hall of fame

3546

02:24:52,389 --> 02:24:50,399

members who inspired and guided me

3547

02:24:53,510 --> 02:24:52,399

and also selected me

3548

02:24:54,870 --> 02:24:53,520

and

3549

02:24:55,750 --> 02:24:54,880

my thanks to all of you who have touched

3550

02:24:57,349 --> 02:24:55,760

my life

3551

02:25:04,710 --> 02:24:57,359

in such profound ways

3552

02:25:04,720 --> 02:25:22,790

live long and prosper

3553

02:25:26,389 --> 02:25:24,790

congratulations scott parazynski and

3554

02:25:28,950 --> 02:25:26,399

welcome to the united states astronaut

3555

02:25:30,469 --> 02:25:28,960

hall of fame

3556

02:25:33,590 --> 02:25:30,479

he's another one that said he grew up

3557

02:25:37,910 --> 02:25:35,990

and them too

3558

02:25:43,349 --> 02:25:37,920

then he called you pioneers like covered

3559

02:25:47,910 --> 02:25:46,230

the 2016 inductees were selected by a

3560

02:25:50,150 --> 02:25:47,920

committee of current hall of fame

3561

02:25:52,790 --> 02:25:50,160

astronauts former nasa officials

3562

02:25:54,630 --> 02:25:52,800

historians and journalists the process

3563

02:25:57,830 --> 02:25:54,640

is administered by the astronaut

3564

02:25:59,910 --> 02:25:57,840

scholarship foundation to be eligible an

3565

02:26:03,750 --> 02:25:59,920

astronaut must have made his or her

3566

02:26:06,389 --> 02:26:03,760

first flight at least 17 years before

3567

02:26:09,429 --> 02:26:06,399

the induction year and must be retired

3568

02:26:11,830 --> 02:26:09,439

at least five years from nasa the nasa

3569

02:26:15,190 --> 02:26:11,840

astronaut corps candidates must be a u.s

3570

02:26:17,830 --> 02:26:15,200

citizen nasa trained commander pilot or

3571

02:26:20,309 --> 02:26:17,840

mission specialist and must have orbited

3572

02:26:22,790 --> 02:26:20,319

the earth at least once and made

3573

02:26:25,510 --> 02:26:22,800

significant contributions to the study

3574

02:26:28,630 --> 02:26:25,520

of space now before we let you go we

3575

02:26:31,270 --> 02:26:28,640

have a special sneak peek in store for

3576

02:26:34,630 --> 02:26:31,280

all of you today we're going to unveil

3577

02:26:36,230 --> 02:26:34,640

our new inductees displays that will be

3578

02:26:38,630 --> 02:26:36,240

housed in the new united states

3579

02:26:40,309 --> 02:26:38,640

astronaut hall of fame

3580

02:26:45,750 --> 02:26:40,319

later this year

3581

02:26:45,760 --> 02:27:12,550

do you guys do the honors

3582

02:27:14,950 --> 02:27:13,830

ladies and gentlemen i'm proud to

3583

02:27:18,950 --> 02:27:14,960

present to you the united states

3584

02:27:35,270 --> 02:27:18,960

astronaut class of 2016 brian duffy and

3585

02:27:38,870 --> 02:27:37,110

and all the members of the united states

3586

02:27:59,750 --> 02:27:38,880

astronaut hall of fame please join us

3587

02:28:03,510 --> 02:28:01,429

it has been my pleasure to be with you

3588

02:28:05,429 --> 02:28:03,520

today on behalf of the kennedy space

3589

02:28:07,190 --> 02:28:05,439

center visitor complex and the astronaut

3590

02:28:09,349 --> 02:28:07,200

scholarship foundation

3591

02:29:06,630 --> 02:28:09,359

thank you for joining us for this

3592

02:29:06,640 --> 02:29:11,270

uh