



1
00:00:29,669 --> 00:00:27,670
ladies and gentlemen

2
00:00:31,509 --> 00:00:29,679
thank you for joining us for the u.s

3
00:00:34,150 --> 00:00:31,519
astronaut hall of fame induction

4
00:00:35,510 --> 00:00:34,160
ceremony honoring our nation's space

5
00:00:37,350 --> 00:00:35,520
heroes

6
00:00:39,910 --> 00:00:37,360
please rise for the presentation of

7
00:00:41,430 --> 00:00:39,920
colors by members of the girl scouts of

8
00:00:43,350 --> 00:00:41,440
citrus council

9
00:00:45,430 --> 00:00:43,360
followed by the national anthem

10
00:00:50,229 --> 00:00:45,440
performed by kelty zevitz from girl

11
00:00:50,239 --> 00:00:58,069
okay

12
00:00:58,079 --> 00:01:23,190
advanced

13
00:01:23,200 --> 00:01:29,190

please

14

00:01:33,109 --> 00:01:31,910
to the flag of the united states of

15

00:01:36,310 --> 00:01:33,119
america

16

00:01:38,870 --> 00:01:36,320
and to the republic for which it stands

17

00:01:53,190 --> 00:01:38,880
one nation under god

18

00:01:53,200 --> 00:01:55,429
you all

19

00:02:04,789 --> 00:02:00,149
by the dawn's early light

20

00:02:05,950 --> 00:02:04,799
what so proudly we hailed

21

00:02:09,510 --> 00:02:05,960
at the

22

00:02:11,750 --> 00:02:09,520
twilight's last gleaming

23

00:02:14,869 --> 00:02:11,760
whose broad stripes

24

00:02:16,830 --> 00:02:14,879
and bright stars

25

00:02:19,589 --> 00:02:16,840
through the

26

00:02:24,150 --> 00:02:19,599

perilous fight

27

00:02:27,070 --> 00:02:24,160

or the round parts we watched

28

00:02:29,030 --> 00:02:27,080

were so gallantly

29

00:02:33,350 --> 00:02:29,040

streaming

30

00:02:35,830 --> 00:02:33,360

and the rockets red glare

31

00:02:38,070 --> 00:02:35,840

the bumps

32

00:02:42,390 --> 00:02:38,080

in air

33

00:02:46,630 --> 00:02:42,400

gave proof through the night

34

00:02:52,070 --> 00:02:46,640

that our flag was still there

35

00:02:53,670 --> 00:02:52,080

oh say does head start spangled

36

00:02:56,710 --> 00:02:53,680

banana

37

00:02:58,110 --> 00:02:56,720

head wave

38

00:03:01,509 --> 00:02:58,120

or the

39

00:03:04,949 --> 00:03:01,519

land of the free

40

00:03:22,309 --> 00:03:04,959

and the home of the

41

00:03:22,319 --> 00:03:46,149

oh

42

00:03:50,869 --> 00:03:48,550

ladies and gentlemen please welcome the

43

00:04:00,229 --> 00:03:50,879

chief operating officer of kennedy space

44

00:04:02,869 --> 00:04:01,830

good afternoon take your seats please

45

00:04:04,229 --> 00:04:02,879

thank you

46

00:04:05,589 --> 00:04:04,239

thanks to the girl scouts and

47

00:04:06,949 --> 00:04:05,599

particularly thank you to kelty for that

48

00:04:08,070 --> 00:04:06,959

wonderful rendition of our national

49

00:04:10,309 --> 00:04:08,080

anthem

50

00:04:12,630 --> 00:04:10,319

on behalf of 55 000 delaware north

51
00:04:14,070 --> 00:04:12,640
company employees worldwide including

52
00:04:16,069 --> 00:04:14,080
especially those here at the kennedy

53
00:04:18,469 --> 00:04:16,079
space center visitor complex

54
00:04:20,629 --> 00:04:18,479
welcome to today's induction ceremony

55
00:04:22,550 --> 00:04:20,639
celebrating the 12th class of space

56
00:04:26,150 --> 00:04:22,560
shuttle astronauts entering the united

57
00:04:28,070 --> 00:04:26,160
states astronaut hall of fame

58
00:04:30,070 --> 00:04:28,080
the visitor complex is honored to host

59
00:04:33,110 --> 00:04:30,080
today's ceremony celebrating the

60
00:04:34,790 --> 00:04:33,120
achievements of three nasa astronauts

61
00:04:37,749 --> 00:04:34,800
bonnie dunbar

62
00:04:39,830 --> 00:04:37,759
kurt brown and eileen collins as they

63
00:04:42,629 --> 00:04:39,840

are welcomed into an elite group of

64

00:04:44,550 --> 00:04:42,639

space exploration heroes

65

00:04:47,189 --> 00:04:44,560

these are exciting times for the visitor

66

00:04:49,830 --> 00:04:47,199

complex as we continue to tell

67

00:04:52,230 --> 00:04:49,840

nasa's remarkable story

68

00:04:56,629 --> 00:04:52,240

at one time or another each of today's

69

00:04:58,310 --> 00:04:56,639

inductees flew space shuttle atlantis

70

00:05:01,029 --> 00:04:58,320

it's going to be displayed starting on

71

00:05:03,029 --> 00:05:01,039

june 29th just a few steps away from

72

00:05:04,629 --> 00:05:03,039

where we are today

73

00:05:06,629 --> 00:05:04,639

the atlantis will be in a 100 million

74

00:05:09,430 --> 00:05:06,639

dollar home of priceless historic

75

00:05:12,870 --> 00:05:09,440

spacecraft telling the incredible story

76
00:05:14,870 --> 00:05:12,880
of nasa's 30-year space shuttle program

77
00:05:17,430 --> 00:05:14,880
from just a few feet away our guests

78
00:05:18,990 --> 00:05:17,440
will be awed and inspired as they have a

79
00:05:21,830 --> 00:05:19,000
very up-close

80
00:05:24,230 --> 00:05:21,840
360 degree view of space shuttle

81
00:05:27,510 --> 00:05:24,240
atlantis including all the wear and tear

82
00:05:29,830 --> 00:05:27,520
of her 33 missions their apparent

83
00:05:31,270 --> 00:05:29,840
on the exterior tiles

84
00:05:33,510 --> 00:05:31,280
the shuttle will be dramatically

85
00:05:35,430 --> 00:05:33,520
showcased as if it were in orbit

86
00:05:36,550 --> 00:05:35,440
as only astronauts have had a chance to

87
00:05:37,909 --> 00:05:36,560
see

88
00:05:40,550 --> 00:05:37,919

as the orbiter departs from the

89

00:05:41,990 --> 00:05:40,560

international space station

90

00:05:43,909 --> 00:05:42,000

those of you that have not recently

91

00:05:46,310 --> 00:05:43,919

visited us will note many changes in our

92

00:05:47,830 --> 00:05:46,320

landscape we have a new entrance

93

00:05:50,150 --> 00:05:47,840

including a beautiful tribute to

94

00:05:52,950 --> 00:05:50,160

president john f kennedy and a powerful

95

00:05:55,270 --> 00:05:52,960

recreation of a space shuttle launch

96

00:05:57,110 --> 00:05:55,280

we prepare you for a truly unique visit

97

00:05:59,270 --> 00:05:57,120

to the visitor complex

98

00:06:01,670 --> 00:05:59,280

we're also proud of our new angry birds

99

00:06:02,950 --> 00:06:01,680

space encounter exhibit which ties in

100

00:06:04,390 --> 00:06:02,960

our nasa's

101

00:06:06,150 --> 00:06:04,400

stem program

102

00:06:08,150 --> 00:06:06,160

for teach students about science

103

00:06:10,469 --> 00:06:08,160

technology and math in a way that they

104

00:06:12,469 --> 00:06:10,479

only get

105

00:06:15,110 --> 00:06:12,479

just as the successful evolution of

106

00:06:16,309 --> 00:06:15,120

mercury gemini and apollo and space

107

00:06:18,070 --> 00:06:16,319

shuttle

108

00:06:20,070 --> 00:06:18,080

the kennedy space center visitor complex

109

00:06:23,110 --> 00:06:20,080

will continue to present the next

110

00:06:24,950 --> 00:06:23,120

exciting chapter of nasa

111

00:06:26,950 --> 00:06:24,960

i'd like to recognize the contributions

112

00:06:29,189 --> 00:06:26,960

of today's ceremony by the astronaut

113

00:06:31,670 --> 00:06:29,199

scholarship foundation their board of

114

00:06:33,189 --> 00:06:31,680

directors and their executive director

115

00:06:35,029 --> 00:06:33,199

lynn leblanc

116

00:06:36,629 --> 00:06:35,039

since 2001

117

00:06:38,309 --> 00:06:36,639

when the first space shuttle class was

118

00:06:42,230 --> 00:06:38,319

inducted we have been honored to work

119

00:06:46,870 --> 00:06:44,629

and now i'd like to welcome to the stage

120

00:06:49,749 --> 00:06:46,880

today's master of ceremonies

121

00:06:52,070 --> 00:06:49,759

he is cnn's miami correspondents

122

00:06:54,790 --> 00:06:52,080

responsible for cnn's coverage of news

123

00:06:57,990 --> 00:06:54,800

in florida and the caribbean

124

00:07:00,550 --> 00:06:58,000

since joining cnn in 1981 he is the

125

00:07:02,629 --> 00:07:00,560

network's principal correspondents for

126
00:07:04,309 --> 00:07:02,639
the coverage of the u.s space program

127
00:07:07,670 --> 00:07:04,319
having covered events such as john

128
00:07:09,990 --> 00:07:07,680
glenn's 1998 return to space flight

129
00:07:12,469 --> 00:07:10,000
the mars pathfinder mission

130
00:07:14,629 --> 00:07:12,479
and the 2005 return to flight mission

131
00:07:17,670 --> 00:07:14,639
and numerous other space shuttle

132
00:07:19,749 --> 00:07:17,680
launches he has won two emmy awards and

133
00:07:21,430 --> 00:07:19,759
has been honored numerous times for his

134
00:07:23,029 --> 00:07:21,440
work

135
00:07:25,350 --> 00:07:23,039
john we appreciate all of the great

136
00:07:26,950 --> 00:07:25,360
coverage that you provide for nasa the

137
00:07:29,110 --> 00:07:26,960
space shuttle program

138
00:07:31,430 --> 00:07:29,120

and oh yes that shuttle across the way

139

00:07:33,270 --> 00:07:31,440

atlantis and we'll see you at the end of

140

00:07:34,550 --> 00:07:33,280

june for that grand opening ladies and

141

00:07:38,790 --> 00:07:34,560

gentlemen please join me in welcoming

142

00:07:48,390 --> 00:07:42,469

thank you bill

143

00:07:51,830 --> 00:07:50,869

see we got this on can you hear me okay

144

00:07:54,390 --> 00:07:51,840

no

145

00:07:55,510 --> 00:07:54,400

everybody says my voice is plenty loud

146

00:07:57,110 --> 00:07:55,520

enough you ought to be able to hear me

147

00:08:01,749 --> 00:07:57,120

anyway

148

00:08:04,629 --> 00:08:03,270

you know bill it wasn't just the young

149

00:08:06,629 --> 00:08:04,639

people who liked those cartoon

150

00:08:08,390 --> 00:08:06,639

characters bob crippen used to use the

151
00:08:11,430 --> 00:08:08,400
cartoon characters to explain to me how

152
00:08:13,189 --> 00:08:11,440
the shuttle worked and all that stuff

153
00:08:15,189 --> 00:08:13,199
and uh thank you and again it is a great

154
00:08:17,029 --> 00:08:15,199
privilege for me to be here i'm honored

155
00:08:19,110 --> 00:08:17,039
to be here as your master of ceremonies

156
00:08:20,230 --> 00:08:19,120
for the u.s astronaut hall of fame

157
00:08:22,710 --> 00:08:20,240
induction

158
00:08:25,589 --> 00:08:22,720
and i was here just a few months ago

159
00:08:27,670 --> 00:08:25,599
broadcasting live from out in the uh the

160
00:08:29,430 --> 00:08:27,680
new facility

161
00:08:31,029 --> 00:08:29,440
at the uh for the space shuttle lance of

162
00:08:33,350 --> 00:08:31,039
course it's all in bubble wrap right now

163
00:08:35,269 --> 00:08:33,360

shrink wrap and so

164

00:08:38,230 --> 00:08:35,279

that that's a pretty cool sight seeing

165

00:08:40,870 --> 00:08:38,240

it all in in shrink wrap and um we did

166

00:08:41,750 --> 00:08:40,880

several live shots from from in there

167

00:08:46,470 --> 00:08:41,760

and

168

00:08:48,310 --> 00:08:46,480

i know everybody here will certainly uh

169

00:08:51,110 --> 00:08:48,320

want to come back and and see it when

170

00:08:53,750 --> 00:08:51,120

that happens it is an incredible tribute

171

00:08:56,150 --> 00:08:53,760

to the thousands of men and women

172

00:08:58,630 --> 00:08:56,160

of the space shuttle program who helped

173

00:08:59,590 --> 00:08:58,640

to make the shuttle program what it what

174

00:09:01,750 --> 00:08:59,600

it was

175

00:09:04,310 --> 00:09:01,760

and this place always does certainly

176

00:09:06,470 --> 00:09:04,320

feel like home to me and now it is my

177

00:09:08,870 --> 00:09:06,480

privilege to introduce to you the

178

00:09:13,110 --> 00:09:08,880

attending members of the united states

179

00:09:17,910 --> 00:09:15,350

this astronaut made his first flight as

180

00:09:19,750 --> 00:09:17,920

pilot of germany 11 during which he

181

00:09:22,870 --> 00:09:19,760

successfully rendezvoused with the

182

00:09:25,430 --> 00:09:22,880

unmanned aegena target vehicle and

183

00:09:28,470 --> 00:09:25,440

performed two space walks later he

184

00:09:30,470 --> 00:09:28,480

orbited the moon as command module pilot

185

00:09:33,829 --> 00:09:30,480

of apollo 12.

186

00:09:39,350 --> 00:09:36,070

his first space flight was aboard gemini

187

00:09:42,310 --> 00:09:39,360

12 but he is most well known for landing

188

00:09:44,710 --> 00:09:42,320

at the sea of tranquility alongside neil

189

00:09:47,030 --> 00:09:44,720

armstrong in 1969

190

00:09:49,190 --> 00:09:47,040

and becoming one of the very first men

191

00:09:51,590 --> 00:09:49,200

to walk on the moon

192

00:09:54,389 --> 00:09:51,600

today he is founder of sharespace

193

00:09:56,310 --> 00:09:54,399

foundation and an active proponent of

194

00:10:01,670 --> 00:09:56,320

space exploration

195

00:10:07,590 --> 00:10:04,710

he served as lunar module pilot for 11

196

00:10:09,509 --> 00:10:07,600

days aboard apollo 7. the first manned

197

00:10:11,829 --> 00:10:09,519

apollo mission and the first to provide

198

00:10:14,389 --> 00:10:11,839

a live television transmission of

199

00:10:16,870 --> 00:10:14,399

onboard crew activities he later served

200

00:10:18,790 --> 00:10:16,880

as nasa's chief of the sky lab branch of

201

00:10:25,670 --> 00:10:18,800

the flight crew directorate walt

202

00:10:30,790 --> 00:10:27,750

his most notable role was as lunar

203

00:10:33,269 --> 00:10:30,800

module pilot for the ill-fated apollo 13

204

00:10:36,069 --> 00:10:33,279

mission he also served as backup lunar

205

00:10:39,110 --> 00:10:36,079

module pilot for apollo 8 and 11 and

206

00:10:40,949 --> 00:10:39,120

backup commander for apollo 16. he went

207

00:10:44,389 --> 00:10:40,959

on to command one of two crews that flew

208

00:10:47,310 --> 00:10:44,399

the space shuttle prototype enterprises

209

00:10:57,110 --> 00:10:47,320

approach and landing test flights in

210

00:11:01,509 --> 00:10:59,269

he became the tenth man to walk on the

211

00:11:03,670 --> 00:11:01,519

moon during apollo 16 when he claimed

212

00:11:06,069 --> 00:11:03,680

the record for the longest lunar space

213

00:11:08,470 --> 00:11:06,079

walk during three outside excursions

214

00:11:11,990 --> 00:11:08,480

over three days he and commander john

215

00:11:13,829 --> 00:11:12,000

young drove a lunar rover 16 miles and

216

00:11:16,470 --> 00:11:13,839

collected

217

00:11:21,990 --> 00:11:16,480

pounds of lunar rock and soil charlie

218

00:11:27,030 --> 00:11:24,550

he served as pilot for skylab 3 during

219

00:11:29,990 --> 00:11:27,040

which he worked in orbit for 59 days and

220

00:11:32,550 --> 00:11:30,000

spent 11 hours on two spacewalks outside

221

00:11:35,030 --> 00:11:32,560

of the space station later he commanded

222

00:11:43,670 --> 00:11:35,040

the third orbital test flight of space

223

00:11:49,030 --> 00:11:46,310

he lived in space for 59 days for the

224

00:11:51,430 --> 00:11:49,040

skylab 3 mission aboard the skylab space

225

00:11:54,790 --> 00:11:51,440

station during which he conducted three

226

00:11:57,110 --> 00:11:54,800

spacewalks he later flew aboard sts-9

227

00:12:00,069 --> 00:11:57,120

which carried the first space lab

228

00:12:07,269 --> 00:12:00,079

scientific research module into orbit

229

00:12:11,509 --> 00:12:09,030

this astronaut served as the pilot of

230

00:12:13,509 --> 00:12:11,519

the apollo soyuz test project the first

231

00:12:15,910 --> 00:12:13,519

joint mission between the united states

232

00:12:17,910 --> 00:12:15,920

and russia he went on to command three

233

00:12:20,710 --> 00:12:17,920

space shuttle flights including the

234

00:12:29,430 --> 00:12:20,720

first mission labeled as operational

235

00:12:36,389 --> 00:12:32,870

this astronaut piloted colombia in 1981

236

00:12:38,230 --> 00:12:36,399

on sts-1 the very first space shuttle

237

00:12:40,870 --> 00:12:38,240

mission he went on to command three more

238

00:12:42,550 --> 00:12:40,880

missions including sts-7 which conducted

239

00:12:44,550 --> 00:12:42,560

the first deployment and retrieval

240

00:12:47,430 --> 00:12:44,560

exercise with the shuttle pallet

241

00:12:56,629 --> 00:12:47,440

satellite he later served as director of

242

00:13:01,509 --> 00:12:59,509

as a mission specialist for sts-5 he and

243

00:13:03,670 --> 00:13:01,519

the crew performed the first fully

244

00:13:06,110 --> 00:13:03,680

operational flight of the shuttle

245

00:13:08,629 --> 00:13:06,120

transportation system he later flew on

246

00:13:10,870 --> 00:13:08,639

sts-51a where he and crewmate dale

247

00:13:13,590 --> 00:13:10,880

gardner used the manned maneuvering

248

00:13:22,790 --> 00:13:13,600

units to capture two malfunctioning

249

00:13:26,910 --> 00:13:25,110

during his 19 years with the astronaut

250

00:13:30,389 --> 00:13:26,920

program he logged more than

251
00:13:32,310 --> 00:13:30,399
386 hours in space and flew on three

252
00:13:33,910 --> 00:13:32,320
shuttle missions he served as pilot

253
00:13:37,269 --> 00:13:33,920
during the maiden voyage of shuttle

254
00:13:41,350 --> 00:13:37,279
challenger aboard sts-6 as commander of

255
00:13:49,829 --> 00:13:41,360
sts-51d and as commander of sts-51j the

256
00:13:54,470 --> 00:13:52,550
a three space flight veteran he was on

257
00:13:56,790 --> 00:13:54,480
the first crew to fly an orbiter in

258
00:13:59,710 --> 00:13:56,800
close proximity to a free-flying

259
00:14:03,590 --> 00:13:59,720
satellite on sts-7 he then commanded

260
00:14:05,430 --> 00:14:03,600
sts-51a and later sts-26 which marked

261
00:14:15,110 --> 00:14:05,440
the space shuttle's return to flight

262
00:14:19,750 --> 00:14:17,350
a veteran of four space shuttle missions

263
00:14:22,870 --> 00:14:19,760

he piloted sts-8 the first mission with

264

00:14:25,990 --> 00:14:22,880

a night launch and landing he spent 261

265

00:14:27,430 --> 00:14:26,000

hours in space during sts-32 the longest

266

00:14:30,629 --> 00:14:27,440

shuttle mission to date and later

267

00:14:39,430 --> 00:14:30,639

commanded sts-49 the maiden flight of

268

00:14:44,629 --> 00:14:42,310

logging more than 500 hours in space he

269

00:14:46,230 --> 00:14:44,639

piloted sts-9 and later commanded

270

00:14:49,350 --> 00:14:46,240

sts-61b

271

00:14:50,949 --> 00:14:49,360

and sts-28 he also played a key role in

272

00:14:52,870 --> 00:14:50,959

returning the shuttle to flight

273

00:14:54,710 --> 00:14:52,880

following the challenger accident

274

00:15:02,069 --> 00:14:54,720

leading the space shuttle orbiter return

275

00:15:06,389 --> 00:15:04,710

this astronaut a veteran of five space

276

00:15:07,910 --> 00:15:06,399

shuttle flights served as pilot for

277

00:15:09,750 --> 00:15:07,920

sts-41b

278

00:15:11,910 --> 00:15:09,760

which culminated in the first landing on

279

00:15:17,509 --> 00:15:11,920

kennedy space center's runway he then

280

00:15:19,269 --> 00:15:17,519

commanded sts-61c sts 27 47 and 71. the

281

00:15:21,350 --> 00:15:19,279

first space shuttle mission to dock with

282

00:15:26,710 --> 00:15:21,360

the russian space station mir hoot

283

00:15:30,749 --> 00:15:28,949

he flew three space shuttle missions

284

00:15:33,829 --> 00:15:30,759

sts-41c

285

00:15:34,870 --> 00:15:33,839

sts-61c and sts-26

286

00:15:37,910 --> 00:15:34,880

and was a member of the first

287

00:15:40,069 --> 00:15:37,920

spacewalking team to repair a satellite

288

00:15:42,870 --> 00:15:40,079

in orbit he retains the distinction of

289

00:15:45,189 --> 00:15:42,880

being the only american to test fly the

290

00:15:50,629 --> 00:15:45,199

russian manned maneuvering unit pinkie

291

00:15:56,069 --> 00:15:54,310

he logged over 770 hours in space over

292

00:15:59,110 --> 00:15:56,079

the course of five space shuttle

293

00:16:01,110 --> 00:15:59,120

missions including sts-41d the maiden

294

00:16:03,749 --> 00:16:01,120

flight of discovery during his third

295

00:16:06,069 --> 00:16:03,759

flight sts-31 he helped deploy the

296

00:16:08,790 --> 00:16:06,079

hubble space telescope and assisted in

297

00:16:14,949 --> 00:16:08,800

its servicing on his next mission steve

298

00:16:19,990 --> 00:16:16,829

he served as pilot of

299

00:16:22,150 --> 00:16:20,000

sts-51c and commander of sts-31 which

300

00:16:24,870 --> 00:16:22,160

deployed the hubble space telescope and

301

00:16:27,269 --> 00:16:24,880

sts-46 which conducted the first

302

00:16:30,550 --> 00:16:27,279

tethered satellite system test flight

303

00:16:32,949 --> 00:16:30,560

from 1997 to 2000 he was deputy director

304

00:16:39,990 --> 00:16:32,959

of nasa's kennedy space center lauren

305

00:16:44,949 --> 00:16:42,230

a veteran of five space shuttle missions

306

00:16:47,509 --> 00:16:44,959

he became the first astronaut to log 1

307

00:16:49,590 --> 00:16:47,519

000 hours on the space shuttle and made

308

00:16:51,990 --> 00:16:49,600

nasa's first shuttle contingency

309

00:16:54,310 --> 00:16:52,000

spacewalk he is currently a professor of

310

00:16:56,870 --> 00:16:54,320

aerospace engineering in the department

311

00:16:59,350 --> 00:16:56,880

of aeronautics and astronautics at the

312

00:17:07,429 --> 00:16:59,360

massachusetts institute of technology

313

00:17:11,669 --> 00:17:09,429

a veteran of four space shuttle flights

314

00:17:13,990 --> 00:17:11,679

he piloted sts-61c

315

00:17:15,909 --> 00:17:14,000

and sts-31 which

316

00:17:18,870 --> 00:17:15,919

deployed the hubble space telescope then

317

00:17:22,789 --> 00:17:18,880

served as commander for sts-45 and

318

00:17:25,829 --> 00:17:22,799

sts-60 logging more than 680 hours in

319

00:17:37,590 --> 00:17:25,839

orbit today he serves as nasa's

320

00:17:42,150 --> 00:17:39,830

during his 24 years in the astronaut

321

00:17:46,230 --> 00:17:42,160

program this astronaut logged more than

322

00:17:48,230 --> 00:17:46,240

66 days in space on seven space shuttle

323

00:17:52,630 --> 00:17:48,240

missions a record he shares with fellow

324

00:17:55,510 --> 00:17:52,640

astronaut jerry ross a 2012 inductee he

325

00:18:04,150 --> 00:17:55,520

currently serves as ceo of the ad astra

326

00:18:10,070 --> 00:18:07,430

he has logged 161 days in space on five

327

00:18:13,750 --> 00:18:10,080

missions he served as pilot of sts-29

328

00:18:16,310 --> 00:18:13,760

and sts-33 and commander of sts-43 and

329

00:18:18,310 --> 00:18:16,320

58 this astronaut became the third

330

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

american to live aboard the russian

331

00:18:31,029 --> 00:18:20,640

space station mir setting an american

332

00:18:35,270 --> 00:18:33,190

she flew four space shuttle missions

333

00:18:38,070 --> 00:18:35,280

during her 12 years in the astronaut

334

00:18:40,070 --> 00:18:38,080

corps including sts 49 the maiden flight

335

00:18:42,310 --> 00:18:40,080

of the space shuttle endeavour currently

336

00:18:43,990 --> 00:18:42,320

she serves as the associate dean for

337

00:18:46,870 --> 00:18:44,000

graduate programs in the school of

338

00:18:57,669 --> 00:18:46,880

engineering and applied science at the

339

00:19:05,510 --> 00:19:01,750

he piloted sts-41 and sts-53 and served

340

00:19:07,750 --> 00:19:05,520

as commander for sts-65 and sts-88

341

00:19:09,990 --> 00:19:07,760

during sts-65 he and his crew set a

342

00:19:12,470 --> 00:19:10,000

record for the longest space shuttle

343

00:19:15,590 --> 00:19:12,480

mission at that time he is currently the

344

00:19:25,350 --> 00:19:15,600

center director right here at nasa's

345

00:19:48,150 --> 00:19:27,510

ladies and gentlemen our hall of fame

346

00:19:55,350 --> 00:19:49,830

gordon's not happy he doesn't like the

347

00:20:00,230 --> 00:19:57,909

before we continue i'd like to mark the

348

00:20:02,950 --> 00:20:00,240

passing of two hall of fame astronauts

349

00:20:05,590 --> 00:20:02,960

since our last astronaut hall of fame

350

00:20:07,029 --> 00:20:05,600

induction ceremony neil armstrong and

351
00:20:09,350 --> 00:20:07,039
sally ride

352
00:20:11,270 --> 00:20:09,360
these space legends made remarkable

353
00:20:12,470 --> 00:20:11,280
contributions to the exploration of

354
00:20:14,870 --> 00:20:12,480
space

355
00:20:19,190 --> 00:20:14,880
and their legacy lives on through their

356
00:20:32,710 --> 00:20:20,549
neil armstrong

357
00:20:36,950 --> 00:20:34,470
you know after doing this for as many

358
00:20:39,029 --> 00:20:36,960
years as i have uh you get to kind of be

359
00:20:41,270 --> 00:20:39,039
a fly on the wall into a lot of their

360
00:20:42,310 --> 00:20:41,280
conversations as any good journalist

361
00:20:44,310 --> 00:20:42,320
would

362
00:20:46,710 --> 00:20:44,320
uh and you know i have to tell you that

363
00:20:49,830 --> 00:20:46,720

uh one of the things that has always

364

00:20:51,350 --> 00:20:49,840

amazed me is that whenever i'm listening

365

00:20:53,029 --> 00:20:51,360

overhearing eavesdropping on their

366

00:20:55,270 --> 00:20:53,039

conversations

367

00:20:57,110 --> 00:20:55,280

they don't talk about the past so much

368

00:20:58,789 --> 00:20:57,120

they talk about the present and they

369

00:21:01,110 --> 00:20:58,799

talk about the future

370

00:21:03,190 --> 00:21:01,120

and moving america forward

371

00:21:06,390 --> 00:21:03,200

they talk about inspiring the next

372

00:21:07,669 --> 00:21:06,400

generation of great explorers scientists

373

00:21:08,950 --> 00:21:07,679

engineers

374

00:21:11,270 --> 00:21:08,960

and teachers

375

00:21:13,990 --> 00:21:11,280

who will take their places on the

376

00:21:15,110 --> 00:21:14,000

shoulders of these giants and that has

377

00:21:18,070 --> 00:21:15,120

always been

378

00:21:20,149 --> 00:21:18,080

what is important to them and that has

379

00:21:22,390 --> 00:21:20,159

always been something that i have

380

00:21:24,310 --> 00:21:22,400

marveled at gentlemen

381

00:21:27,029 --> 00:21:24,320

and now it is my pleasure to welcome to

382

00:21:30,070 --> 00:21:27,039

the podium hall of fame astronaut and

383

00:21:33,669 --> 00:21:30,080

nasa administrator charlie bolden

384

00:21:33,679 --> 00:21:38,549

over there

385

00:21:42,789 --> 00:21:41,029

it's for tall people over here john so

386

00:21:45,029 --> 00:21:42,799

that's all right i'll pull it down

387

00:21:46,549 --> 00:21:45,039

thanks very much and just very briefly

388

00:21:48,230 --> 00:21:46,559

let me thank all of you for coming out

389

00:21:50,710 --> 00:21:48,240

today and uh for supporting the

390

00:21:52,470 --> 00:21:50,720

astronaut scholarship foundation it's my

391

00:21:54,070 --> 00:21:52,480

real pleasure to be here to speak on

392

00:21:56,390 --> 00:21:54,080

behalf of the national aeronautics and

393

00:21:58,149 --> 00:21:56,400

space administration your

394

00:22:00,870 --> 00:21:58,159

space administration and just give you

395

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

sort of a a really quick status check

396

00:22:05,909 --> 00:22:03,120

because uh hopefully you all know what

397

00:22:07,590 --> 00:22:05,919

we're doing um we're having fun for one

398

00:22:09,350 --> 00:22:07,600

thing bob cabana will tell you that

399

00:22:11,270 --> 00:22:09,360

anybody that you talk to down here at

400

00:22:13,110 --> 00:22:11,280

the kennedy space center will tell you

401
00:22:14,390 --> 00:22:13,120
that and and bob and i both like to tell

402
00:22:17,190 --> 00:22:14,400
people if you're not having fun you're

403
00:22:18,470 --> 00:22:17,200
either in the wrong job or uh you know

404
00:22:21,270 --> 00:22:18,480
you're not paying attention to what's

405
00:22:23,750 --> 00:22:21,280
going on uh your space agency is doing

406
00:22:26,549 --> 00:22:23,760
pretty well uh it's very difficult time

407
00:22:28,149 --> 00:22:26,559
but in the face of those difficult times

408
00:22:30,710 --> 00:22:28,159
we're calling on people like the folk

409
00:22:33,350 --> 00:22:30,720
that are sitting here on the stage

410
00:22:34,549 --> 00:22:33,360
who had dreams when they came into this

411
00:22:36,149 --> 00:22:34,559
program

412
00:22:37,590 --> 00:22:36,159
many of them if they're honest with you

413
00:22:39,350 --> 00:22:37,600

will tell you that

414

00:22:40,870 --> 00:22:39,360

other than the apollo guys okay they

415

00:22:42,950 --> 00:22:40,880

really got to do

416

00:22:45,510 --> 00:22:42,960

what they wanted to do but many like me

417

00:22:47,750 --> 00:22:45,520

came to nasa uh intending to go to the

418

00:22:49,909 --> 00:22:47,760

moon and then on to mars and i think a

419

00:22:52,950 --> 00:22:49,919

lot of us would say the same thing and

420

00:22:55,190 --> 00:22:52,960

today for i think the first time in

421

00:22:57,669 --> 00:22:55,200

in my lifetime anyway we're on the

422

00:22:59,830 --> 00:22:57,679

precipice of being able to do that uh

423

00:23:02,149 --> 00:22:59,840

we've allowed commercial entities

424

00:23:03,750 --> 00:23:02,159

industry to take over transportation to

425

00:23:05,750 --> 00:23:03,760

low earth orbit to and from to the

426

00:23:08,549 --> 00:23:05,760

international space station and nasa's

427

00:23:09,990 --> 00:23:08,559

really focused on trying to get beyond

428

00:23:11,430 --> 00:23:10,000

we're excited about a mission that we're

429

00:23:13,990 --> 00:23:11,440

going to put together this summer that's

430

00:23:15,590 --> 00:23:14,000

an asteroid retrieval mission

431

00:23:18,230 --> 00:23:15,600

and then after that

432

00:23:20,710 --> 00:23:18,240

moving on to mars in the 2030s so for

433

00:23:22,789 --> 00:23:20,720

all of you here thank you so much again

434

00:23:25,029 --> 00:23:22,799

congratulations to the three incredible

435

00:23:27,430 --> 00:23:25,039

inductees uh this year

436

00:23:29,190 --> 00:23:27,440

um you are going to have fun believe it

437

00:23:31,190 --> 00:23:29,200

or not hopefully you have had a good

438

00:23:33,029 --> 00:23:31,200

time up until now but the fun is about

439

00:23:34,149 --> 00:23:33,039

to begin with your introductions so

440

00:23:36,630 --> 00:23:34,159

stand by

441

00:23:38,230 --> 00:23:36,640

uh and to to all of my colleagues here

442

00:23:40,310 --> 00:23:38,240

in the foundation thanks very much for

443

00:23:41,830 --> 00:23:40,320

your continued support for coming back

444

00:23:43,590 --> 00:23:41,840

every year because it really means a lot

445

00:23:50,870 --> 00:23:43,600

to the foundation and thank you all

446

00:23:54,070 --> 00:23:52,789

thank you charlie

447

00:23:55,750 --> 00:23:54,080

and now i'd like to welcome to the

448

00:23:58,149 --> 00:23:55,760

podium hall of fame astronaut and

449

00:24:05,750 --> 00:23:58,159

kennedy space center director mr robert

450

00:24:09,669 --> 00:24:07,669

thank you and welcome to the kennedy

451
00:24:12,310 --> 00:24:09,679
space center in this year's

452
00:24:14,950 --> 00:24:12,320
astronaut hall of fame induction

453
00:24:17,029 --> 00:24:14,960
from the entire ksc team

454
00:24:20,070 --> 00:24:17,039
our sincere congratulations to bonnie

455
00:24:21,350 --> 00:24:20,080
curt and eileen absolutely outstanding

456
00:24:22,950 --> 00:24:21,360
you know much has changed here at the

457
00:24:25,430 --> 00:24:22,960
kennedy space center since these three

458
00:24:27,750 --> 00:24:25,440
were flying space shuttles but one thing

459
00:24:30,549 --> 00:24:27,760
that hasn't changed is our desire to

460
00:24:32,630 --> 00:24:30,559
excel and explore beyond the bounds of

461
00:24:34,630 --> 00:24:32,640
planet earth since the last shuttle

462
00:24:36,549 --> 00:24:34,640
mission we've made tremendous progress

463
00:24:39,269 --> 00:24:36,559

towards transforming ksc into a

464

00:24:41,510 --> 00:24:39,279

multi-user spaceport of the future

465

00:24:42,789 --> 00:24:41,520

and with our recent budget announcement

466

00:24:45,269 --> 00:24:42,799

we're stepping up to meet the

467

00:24:48,390 --> 00:24:45,279

president's challenge to send astronauts

468

00:24:50,230 --> 00:24:48,400

to an asteroid by 2025.

469

00:24:52,630 --> 00:24:50,240

the vehicle assembly building launch pad

470

00:24:56,230 --> 00:24:52,640

39b and launch control center are being

471

00:24:59,269 --> 00:24:56,240

transformed to support the sls in orion

472

00:25:00,870 --> 00:24:59,279

mpcv for a flight in 2017.

473

00:25:03,110 --> 00:25:00,880

lockheed martin is operating a

474

00:25:04,950 --> 00:25:03,120

world-class production facility in the

475

00:25:05,990 --> 00:25:04,960

operations and checkout building high

476

00:25:08,470 --> 00:25:06,000

bay

477

00:25:09,669 --> 00:25:08,480

where their first orion multi-purpose

478

00:25:12,230 --> 00:25:09,679

crew vehicle

479

00:25:13,350 --> 00:25:12,240

is being ready today for a flight next

480

00:25:16,070 --> 00:25:13,360

year

481

00:25:18,310 --> 00:25:16,080

this facility once saw apollo capsules

482

00:25:21,029 --> 00:25:18,320

leave on their way to the moon and now

483

00:25:23,110 --> 00:25:21,039

we'll see orion vehicles as they

484

00:25:25,430 --> 00:25:23,120

progress on towards asteroids and

485

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

eventually on to mars

486

00:25:30,390 --> 00:25:28,240

also new since their shuttle days is a

487

00:25:32,230 --> 00:25:30,400

commercial crew program

488

00:25:35,110 --> 00:25:32,240

which is working with industry to

489

00:25:36,950 --> 00:25:35,120

develop a us crew vehicle to take our

490

00:25:37,909 --> 00:25:36,960

astronauts to our international space

491

00:25:40,549 --> 00:25:37,919

station

492

00:25:42,789 --> 00:25:40,559

spacex sierra nevada and boeing continue

493

00:25:44,710 --> 00:25:42,799

to show great progress in making

494

00:25:46,710 --> 00:25:44,720

commercial crew transportation to low

495

00:25:48,630 --> 00:25:46,720

earth orbit a reality

496

00:25:50,789 --> 00:25:48,640

and we continue to meet nasa's science

497

00:25:53,830 --> 00:25:50,799

mission challenges with our launch

498

00:25:56,390 --> 00:25:53,840

services program which is sending iris

499

00:25:59,190 --> 00:25:56,400

to study our nearest star the sun in

500

00:26:02,470 --> 00:25:59,200

june and maven to study the atmosphere

501
00:26:03,909 --> 00:26:02,480
of mars this november

502
00:26:06,310 --> 00:26:03,919
and finally

503
00:26:08,149 --> 00:26:06,320
since all three flew on atlantis

504
00:26:10,390 --> 00:26:08,159
i hope they can make it back the end of

505
00:26:12,630 --> 00:26:10,400
june for the grand opening of what i

506
00:26:15,269 --> 00:26:12,640
believe is a truly special and

507
00:26:17,909 --> 00:26:15,279
spectacular facility that showcases

508
00:26:19,669 --> 00:26:17,919
america's chase space shuttle program

509
00:26:21,750 --> 00:26:19,679
what we have accomplished in those

510
00:26:23,350 --> 00:26:21,760
amazing 30 years and the people that

511
00:26:25,430 --> 00:26:23,360
helped accomplish it

512
00:26:27,750 --> 00:26:25,440
once again my sincere congratulations to

513
00:26:29,590 --> 00:26:27,760

this year's inductees and thanks to all

514

00:26:32,390 --> 00:26:29,600

of you for letting me share a little bit

515

00:26:34,870 --> 00:26:32,400

of the enthusiasm the excitement that

516

00:26:39,830 --> 00:26:34,880

this ksc team has about our future thank

517

00:26:43,510 --> 00:26:41,510

thank you bob and now ladies and

518

00:26:45,590 --> 00:26:43,520

gentlemen please welcome hall of fame

519

00:26:56,149 --> 00:26:45,600

astronaut and astronaut scholarship

520

00:26:56,159 --> 00:27:03,990

let me find a script here

521

00:27:04,000 --> 00:27:07,909

somewhere

522

00:27:11,669 --> 00:27:09,510

here we go

523

00:27:13,990 --> 00:27:11,679

good afternoon everybody it's uh great

524

00:27:15,830 --> 00:27:14,000

to have you here thank you for coming

525

00:27:17,190 --> 00:27:15,840

and helping support

526
00:27:19,669 --> 00:27:17,200
this uh

527
00:27:22,230 --> 00:27:19,679
very very special day for three of our

528
00:27:23,909 --> 00:27:22,240
friends who are being inducted

529
00:27:25,909 --> 00:27:23,919
as a chairman of the astronaut

530
00:27:28,230 --> 00:27:25,919
scholarship foundation over the last

531
00:27:30,789 --> 00:27:28,240
three years first let me say how happy

532
00:27:33,269 --> 00:27:30,799
we are for you all to be here and to

533
00:27:36,070 --> 00:27:33,279
join us and welcome bonnie curt and

534
00:27:39,110 --> 00:27:36,080
eileen into the u.s astronaut hall of

535
00:27:41,990 --> 00:27:39,120
fame it is our pleasure to be a part of

536
00:27:44,789 --> 00:27:42,000
this great occasion and by when i say

537
00:27:46,470 --> 00:27:44,799
our the astronaut scholarship foundation

538
00:27:49,909 --> 00:27:46,480

the foundation was founded by the

539

00:27:52,470 --> 00:27:49,919

original seven mercury astronauts uh

540

00:27:54,870 --> 00:27:52,480

nearly 30 years ago and we've come a

541

00:27:57,590 --> 00:27:54,880

long way since that time

542

00:27:59,830 --> 00:27:57,600

we started out by giving us a handful of

543

00:28:02,950 --> 00:27:59,840

thousand dollar scholarships

544

00:28:06,230 --> 00:28:02,960

but today thanks to the dedicated work

545

00:28:07,750 --> 00:28:06,240

of uh astronauts others in our staff and

546

00:28:10,630 --> 00:28:07,760

others that have helped us raise the

547

00:28:11,990 --> 00:28:10,640

funds and you all that are also

548

00:28:15,190 --> 00:28:12,000

involved

549

00:28:17,430 --> 00:28:15,200

we are able to inspire 28 deserving

550

00:28:19,269 --> 00:28:17,440

students with ten thousand dollar

551
00:28:21,909 --> 00:28:19,279
scholarships annually

552
00:28:24,230 --> 00:28:21,919
making astronaut scholarships the

553
00:28:26,149 --> 00:28:24,240
largest monetary award given to

554
00:28:28,870 --> 00:28:26,159
undergraduate science and engineering

555
00:28:29,830 --> 00:28:28,880
students in america based solely on

556
00:28:39,590 --> 00:28:29,840
merit

557
00:28:44,149 --> 00:28:41,190
today we've been

558
00:28:45,990 --> 00:28:44,159
we've awarded over 3.7 million dollars

559
00:28:47,350 --> 00:28:46,000
to science and technology students

560
00:28:49,750 --> 00:28:47,360
nationwide

561
00:28:51,669 --> 00:28:49,760
some of them are here with us today

562
00:28:54,389 --> 00:28:51,679
so i'd like the scholars that are here

563
00:28:56,230 --> 00:28:54,399

uh would you please stand and we we'd

564

00:29:05,350 --> 00:28:56,240

like to recognize you

565

00:29:05,360 --> 00:29:10,710

thank you very much

566

00:29:15,190 --> 00:29:13,110

they did a technical presentation this

567

00:29:17,590 --> 00:29:15,200

morning with uh the research they're

568

00:29:19,669 --> 00:29:17,600

working on and let me tell you for this

569

00:29:21,750 --> 00:29:19,679

old astronaut i didn't understand a word

570

00:29:24,950 --> 00:29:21,760

i'll tell you

571

00:29:27,830 --> 00:29:24,960

i mean it's really up here so

572

00:29:30,950 --> 00:29:27,840

and no we picked the right guy guys and

573

00:29:32,070 --> 00:29:30,960

gals to receive these scholarships

574

00:29:40,549 --> 00:29:32,080

uh

575

00:29:43,190 --> 00:29:40,559

all of the astronauts my friends here on

576

00:29:45,510 --> 00:29:43,200

the stage our friends at nasa charlie

577

00:29:47,750 --> 00:29:45,520

bolden and bob cabana as well as bill

578

00:29:50,470 --> 00:29:47,760

moore uh with the kennedy space center

579

00:29:52,710 --> 00:29:50,480

visitors complex uh your help has been

580

00:29:54,470 --> 00:29:52,720

really invaluable and we want to uh

581

00:29:55,590 --> 00:29:54,480

thank you very much

582

00:29:58,789 --> 00:29:55,600

for that

583

00:30:00,389 --> 00:29:58,799

and we truly truly truly appreciate it

584

00:30:02,470 --> 00:30:00,399

now it's my pleasure to turn it back

585

00:30:03,990 --> 00:30:02,480

over to john to induct this year's class

586

00:30:05,909 --> 00:30:04,000

into the hall of fame

587

00:30:13,110 --> 00:30:05,919

welcome to the club y'all

588

00:30:17,830 --> 00:30:15,110

it is that time the induction of the

589

00:30:19,990 --> 00:30:17,840

12th class of space shuttle astronauts

590

00:30:20,789 --> 00:30:20,000

into the united states astronaut hall of

591

00:30:23,110 --> 00:30:20,799

fame

592

00:30:25,669 --> 00:30:23,120

they will be introduced in the order in

593

00:30:30,789 --> 00:30:25,679

which they flew in space

594

00:30:34,630 --> 00:30:32,710

astronaut bonnie dunbar who holds a

595

00:30:36,070 --> 00:30:34,640

doctorate in mechanical biomedical

596

00:30:38,789 --> 00:30:36,080

engineering from the university of

597

00:30:41,029 --> 00:30:38,799

houston is a veteran of five space

598

00:30:42,510 --> 00:30:41,039

flights her first was as mission

599

00:30:45,430 --> 00:30:42,520

specialist for

600

00:30:47,350 --> 00:30:45,440

sts-61a aboard space shuttle challenger

601
00:30:49,590 --> 00:30:47,360
in 1985.

602
00:30:52,389 --> 00:30:49,600
her second as mission specialist aboard

603
00:30:54,789 --> 00:30:52,399
colombia for sts-32

604
00:30:58,710 --> 00:30:54,799
dr dunbar served as payload commander on

605
00:31:01,029 --> 00:30:58,720
sts-50 in 1992 during which she helped

606
00:31:05,110 --> 00:31:01,039
complete the first dedicated u.s

607
00:31:07,590 --> 00:31:05,120
microgravity laboratory flight in 1995

608
00:31:10,950 --> 00:31:07,600
dr dunbar again made space history

609
00:31:13,269 --> 00:31:10,960
aboard atlantis on sts-71 the first

610
00:31:15,110 --> 00:31:13,279
space shuttle to dock with the russian

611
00:31:18,149 --> 00:31:15,120
space station mir

612
00:31:21,750 --> 00:31:18,159
on her final mission in 1998 dr dunbar

613
00:31:24,389 --> 00:31:21,760

served as payload commander on sts-89

614

00:31:26,630 --> 00:31:24,399

the eighth shuttle mir docking mission

615

00:31:28,029 --> 00:31:26,640

during her time with nasa dr dunbar

616

00:31:32,389 --> 00:31:28,039

logged more than

617

00:31:34,470 --> 00:31:32,399

1200 hours 53 days in space

618

00:31:37,430 --> 00:31:34,480

and earned nasa's outstanding leadership

619

00:31:39,990 --> 00:31:37,440

award as well as nasa's exceptional

620

00:31:41,990 --> 00:31:40,000

service medal twice

621

00:31:44,149 --> 00:31:42,000

she served as assistant director to the

622

00:31:46,149 --> 00:31:44,159

nasa johnson space center deputy

623

00:31:49,029 --> 00:31:46,159

associate director for biological

624

00:31:51,750 --> 00:31:49,039

sciences and applications and associate

625

00:31:54,549 --> 00:31:51,760

director technology integration and risk

626
00:31:58,549 --> 00:31:54,559
management dr dunbar retired from nasa

627
00:32:01,430 --> 00:31:58,559
in 2005 and serves as president and ceo

628
00:32:03,430 --> 00:32:01,440
of the seattle museum of flight

629
00:32:22,070 --> 00:32:03,440
let's take a look at a few highlights

630
00:32:26,710 --> 00:32:24,389
we have ignition and liftoff liftoff of

631
00:32:36,870 --> 00:32:26,720
challenger in the spacelap d1 mission

632
00:32:36,880 --> 00:33:01,509
booster ignition and liftoff of colombia

633
00:33:18,549 --> 00:33:03,350
and liftoff of the space shuttle

634
00:33:20,470 --> 00:33:18,559
atlantis on a mission that will herald a

635
00:33:28,470 --> 00:33:20,480
new day of international cooperation in

636
00:33:32,389 --> 00:33:30,630
we have booster ignition and liftoff of

637
00:33:34,630 --> 00:33:32,399
the space shuttle endeavor continuing

638
00:33:56,310 --> 00:33:34,640

the union of u.s and russian space

639

00:34:24,470 --> 00:33:58,230

ladies and gentlemen astronaut bonnie

640

00:34:28,629 --> 00:34:26,470

to present bonnie dunbar for induction

641

00:34:30,389 --> 00:34:28,639

into the united states astronaut hall of

642

00:34:41,990 --> 00:34:30,399

fame please welcome hall of fame

643

00:34:46,829 --> 00:34:44,389

well good afternoon

644

00:34:49,109 --> 00:34:46,839

it's my pleasure to do this introduction

645

00:34:51,430 --> 00:34:49,119

and you know

646

00:34:54,069 --> 00:34:51,440

93 miles as the crow flies from seattle

647

00:34:56,950 --> 00:34:54,079

is the town of yakima washington

648

00:34:59,510 --> 00:34:56,960

and 32 miles further down the yakima

649

00:35:01,510 --> 00:34:59,520

valley highway is outlook washington

650

00:35:04,310 --> 00:35:01,520

population 292

651
00:35:06,069 --> 00:35:04,320
and the home of the dunbar ranch

652
00:35:07,750 --> 00:35:06,079
now obviously that's where bonnie you

653
00:35:09,750 --> 00:35:07,760
grew up and usually this is the case

654
00:35:11,990 --> 00:35:09,760
with children growing up on ranches or

655
00:35:13,430 --> 00:35:12,000
farms they have to pitch in and have a

656
00:35:15,910 --> 00:35:13,440
lot of work to do

657
00:35:18,550 --> 00:35:15,920
the chores range from picking up rocks

658
00:35:21,030 --> 00:35:18,560
prior to planting the crops

659
00:35:22,470 --> 00:35:21,040
to branding cattle at the roundup and in

660
00:35:24,230 --> 00:35:22,480
this environment

661
00:35:26,630 --> 00:35:24,240
bonnie developed her work ethic and

662
00:35:29,430 --> 00:35:26,640
recognized the value and rewards of

663
00:35:32,950 --> 00:35:29,440

dedication to tasks at hand

664

00:35:34,950 --> 00:35:32,960

in 1967 she graduated from high school

665

00:35:36,630 --> 00:35:34,960

she was inspired by the uh by nasa's

666

00:35:39,190 --> 00:35:36,640

human space flight program at that point

667

00:35:40,950 --> 00:35:39,200

although it was rather in its infancy

668

00:35:42,950 --> 00:35:40,960

and she put in her first application to

669

00:35:44,390 --> 00:35:42,960

the astronaut office

670

00:35:45,510 --> 00:35:44,400

this is right out of high school

671

00:35:52,150 --> 00:35:45,520

uh

672

00:35:54,550 --> 00:35:52,160

wasn't quite ready

673

00:35:56,870 --> 00:35:54,560

so uh as a result

674

00:35:58,470 --> 00:35:56,880

she went to the university of washington

675

00:36:00,470 --> 00:35:58,480

to become a husky

676

00:36:04,150 --> 00:36:00,480

and starting in the school of

677

00:36:06,710 --> 00:36:04,160

engineering now that era not all young

678

00:36:08,870 --> 00:36:06,720

women were encouraged to be engineers

679

00:36:10,310 --> 00:36:08,880

and but she did

680

00:36:12,550 --> 00:36:10,320

find a mentor

681

00:36:15,270 --> 00:36:12,560

dr mueller who was the head of the

682

00:36:18,710 --> 00:36:15,280

ceramic engineering department and

683

00:36:20,950 --> 00:36:18,720

became her mentor he uh told her that uh

684

00:36:23,829 --> 00:36:20,960

ceramic engineering was where it was at

685

00:36:24,630 --> 00:36:23,839

and uh to focus on that and which she

686

00:36:27,190 --> 00:36:24,640

did

687

00:36:28,950 --> 00:36:27,200

in addition he put her on his team he

688

00:36:31,750 --> 00:36:28,960

had a research project

689

00:36:33,589 --> 00:36:31,760

with nasa developing the ceramic tile

690

00:36:35,109 --> 00:36:33,599

for the shuttle program and she was on

691

00:36:38,310 --> 00:36:35,119

that team and

692

00:36:40,470 --> 00:36:38,320

got her feet wet her hands wet i guess

693

00:36:42,870 --> 00:36:40,480

working on the development of ceramic

694

00:36:44,790 --> 00:36:42,880

tile for the shuttle she graduated both

695

00:36:47,910 --> 00:36:44,800

with a masters and a bachelor's in

696

00:36:50,310 --> 00:36:47,920

ceramic engineering a few years later

697

00:36:51,990 --> 00:36:50,320

she took a job at rocco international

698

00:36:54,710 --> 00:36:52,000

once again with the ceramic engineering

699

00:36:56,870 --> 00:36:54,720

background she was working on developing

700

00:36:59,750 --> 00:36:56,880

the equipment and processes to

701
00:37:03,190 --> 00:36:59,760
manufacture tiles for the space shuttle

702
00:37:05,430 --> 00:37:03,200
now after that in 1978 she went to nasa

703
00:37:08,390 --> 00:37:05,440
johnson space center and took a job with

704
00:37:10,390 --> 00:37:08,400
the mission operations directorate

705
00:37:11,829 --> 00:37:10,400
the first spacecraft she worked with

706
00:37:12,790 --> 00:37:11,839
crashed

707
00:37:15,109 --> 00:37:12,800
uh

708
00:37:16,150 --> 00:37:15,119
well not really let me explain

709
00:37:17,589 --> 00:37:16,160
she was

710
00:37:20,310 --> 00:37:17,599
in the guidance and navigation

711
00:37:21,750 --> 00:37:20,320
department or team that was working on

712
00:37:24,230 --> 00:37:21,760
the sky

713
00:37:26,150 --> 00:37:24,240

reentry program and it wasn't really a

714

00:37:27,910 --> 00:37:26,160

program it was gravity was taken over

715

00:37:30,390 --> 00:37:27,920

and skylab was coming home

716

00:37:35,190 --> 00:37:30,400

so that's where she got

717

00:37:37,510 --> 00:37:35,200

her her start at nasa in 1980 she was

718

00:37:39,030 --> 00:37:37,520

elected or selected the class for the

719

00:37:39,910 --> 00:37:39,040

astronaut program

720

00:37:42,790 --> 00:37:39,920

and

721

00:37:45,430 --> 00:37:42,800

john covered very well her five shuttle

722

00:37:48,710 --> 00:37:45,440

missions but it didn't address

723

00:37:51,430 --> 00:37:48,720

one of the really significant in my mind

724

00:37:54,069 --> 00:37:51,440

job she had she was a backup for norm

725

00:37:56,230 --> 00:37:54,079

thagard on the first u.s soya's mirror

726

00:37:58,390 --> 00:37:56,240

mission which meant she spent 13 months

727

00:38:01,349 --> 00:37:58,400

in russia preparing for that mission and

728

00:38:03,589 --> 00:38:01,359

at the end she didn't get to fly it

729

00:38:05,589 --> 00:38:03,599

but there's a lot of dedication involved

730

00:38:08,630 --> 00:38:05,599

in doing that and

731

00:38:11,190 --> 00:38:08,640

she excelled at that

732

00:38:12,630 --> 00:38:11,200

we threw together on sts-32

733

00:38:15,109 --> 00:38:12,640

at that point in time it was the longest

734

00:38:17,829 --> 00:38:15,119

shuttle mission and as an indication of

735

00:38:19,510 --> 00:38:17,839

her dedication to space research and

736

00:38:21,030 --> 00:38:19,520

when you have a long mission the medics

737

00:38:22,950 --> 00:38:21,040

kind of

738

00:38:24,069 --> 00:38:22,960

get their hands bringing their hands

739

00:38:25,750 --> 00:38:24,079

together there's a lot of good

740

00:38:28,710 --> 00:38:25,760

opportunities here so one of the things

741

00:38:30,950 --> 00:38:28,720

she found cured for was a study of

742

00:38:33,030 --> 00:38:30,960

interocular pressure eye pressure so

743

00:38:34,790 --> 00:38:33,040

every morning i had this tool and i

744

00:38:37,190 --> 00:38:34,800

jabbed her in the eye

745

00:38:39,430 --> 00:38:37,200

uh it actually hurt me to do it and she

746

00:38:41,109 --> 00:38:39,440

was at the receiving end of it all but

747

00:38:43,910 --> 00:38:41,119

but more importantly the one that really

748

00:38:46,390 --> 00:38:43,920

uh addresses the above and beyond was

749

00:38:48,470 --> 00:38:46,400

she volunteered for muscle biopsies so

750

00:38:49,910 --> 00:38:48,480

that means before we went on the mission

751

00:38:50,790 --> 00:38:49,920

they take a chunk of muscle out of your

752

00:38:52,470 --> 00:38:50,800

leg

753

00:38:54,390 --> 00:38:52,480

and then you go on your mission and when

754

00:38:55,990 --> 00:38:54,400

you get back they go take another chunk

755

00:38:59,109 --> 00:38:56,000

of muscle out of your leg to see what's

756

00:39:00,230 --> 00:38:59,119

changed in the time you were on orbit

757

00:39:02,470 --> 00:39:00,240

well throughout her career she's

758

00:39:04,950 --> 00:39:02,480

dedicated to inspiring the youth to

759

00:39:07,510 --> 00:39:04,960

pursue careers in science and technology

760

00:39:08,390 --> 00:39:07,520

uh she was big into stem before stem was

761

00:39:10,069 --> 00:39:08,400

in

762

00:39:13,030 --> 00:39:10,079

for those who don't know stem stem is

763

00:39:15,349 --> 00:39:13,040

the kind of the program that inspires

764

00:39:17,030 --> 00:39:15,359

careers in science s

765

00:39:21,349 --> 00:39:17,040

technology e

766

00:39:27,030 --> 00:39:24,150

hey i'm retired

767

00:39:35,589 --> 00:39:27,040

okay s s science t is technology e is

768

00:39:39,510 --> 00:39:37,589

so throughout her career she did a vast

769

00:39:41,349 --> 00:39:39,520

number of presentations

770

00:39:43,109 --> 00:39:41,359

and one of the notable ones

771

00:39:44,790 --> 00:39:43,119

was relayed to me by dick taylor a

772

00:39:46,390 --> 00:39:44,800

mutual friend of ours he's a former test

773

00:39:48,069 --> 00:39:46,400

pilot at boeing

774

00:39:50,550 --> 00:39:48,079

she was called up to seattle to give a

775

00:39:52,710 --> 00:39:50,560

presentation to a bunch of engineering

776

00:39:53,670 --> 00:39:52,720

societies and all these old hardcore

777

00:39:55,750 --> 00:39:53,680

engineers there and she was going to

778

00:39:57,030 --> 00:39:55,760

talk to him about the space program just

779

00:39:59,270 --> 00:39:57,040

about the time she was ready to start

780

00:40:01,990 --> 00:39:59,280

her presentation they marched in a

781

00:40:04,950 --> 00:40:02,000

troupe of uh campfire girls

782

00:40:06,390 --> 00:40:04,960

so now she's got a pretty diverse

783

00:40:08,790 --> 00:40:06,400

pretty diverse

784

00:40:10,790 --> 00:40:08,800

audience for her presentation well dick

785

00:40:12,950 --> 00:40:10,800

says she did an outstanding job she

786

00:40:15,270 --> 00:40:12,960

inspired the young girls and at the same

787

00:40:17,750 --> 00:40:15,280

time provide meaningful technical uh

788

00:40:20,390 --> 00:40:17,760

inspiration technical content for the

789

00:40:21,670 --> 00:40:20,400

veteran uh engineers that were at that

790

00:40:23,349 --> 00:40:21,680

conference

791

00:40:25,270 --> 00:40:23,359

after leaving nasa she continued her

792

00:40:28,150 --> 00:40:25,280

focus on youth education

793

00:40:30,470 --> 00:40:28,160

and inspiration as president and ceo of

794

00:40:31,670 --> 00:40:30,480

the seattle's museum of flight

795

00:40:33,270 --> 00:40:31,680

there she instituted numerous

796

00:40:35,510 --> 00:40:33,280

interactive programs for the youth to

797

00:40:38,630 --> 00:40:35,520

inspire them and also expanded the

798

00:40:40,470 --> 00:40:38,640

educational displays at the museum

799

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

just recently she's continued her

800

00:40:44,710 --> 00:40:42,960

dedication to stem by selecting the

801
00:40:47,510 --> 00:40:44,720
position as the lead

802
00:40:49,349 --> 00:40:47,520
at the university of houston in houston

803
00:40:52,069 --> 00:40:49,359
to develop the university of houston

804
00:40:53,750 --> 00:40:52,079
stem center and to teach in the college

805
00:40:54,790 --> 00:40:53,760
of engineering

806
00:40:55,589 --> 00:40:54,800
okay

807
00:40:56,630 --> 00:40:55,599
now

808
00:40:59,270 --> 00:40:56,640
there's

809
00:41:01,510 --> 00:40:59,280
one uh little known first

810
00:41:03,829 --> 00:41:01,520
that bonnie had that

811
00:41:06,309 --> 00:41:03,839
i don't think many people know about

812
00:41:07,190 --> 00:41:06,319
she's the first and my knowledge the

813
00:41:08,150 --> 00:41:07,200

only

814

00:41:11,990 --> 00:41:08,160

person

815

00:41:16,309 --> 00:41:13,430

let me explain

816

00:41:17,990 --> 00:41:16,319

while we were training for sts-32

817

00:41:20,710 --> 00:41:18,000

the prize family bull got hit by

818

00:41:23,670 --> 00:41:20,720

lightning

819

00:41:25,670 --> 00:41:23,680

ended his life her dad had it processed

820

00:41:27,829 --> 00:41:25,680

has some beef jerky made

821

00:41:30,069 --> 00:41:27,839

and uh

822

00:41:31,589 --> 00:41:30,079

and and said it to bonnie in houston

823

00:41:32,630 --> 00:41:31,599

now you don't just take food in the

824

00:41:35,030 --> 00:41:32,640

space

825

00:41:36,630 --> 00:41:35,040

she takes the food to the people that

826

00:41:38,309 --> 00:41:36,640

prepare the food for space and they go

827

00:41:39,910 --> 00:41:38,319

through about two months worth of

828

00:41:41,270 --> 00:41:39,920

testing it to make sure it's safe to

829

00:41:43,829 --> 00:41:41,280

take the space

830

00:41:49,510 --> 00:41:43,839

well on sts-32

831

00:41:53,589 --> 00:41:51,510

launched with us up to orbit

832

00:41:56,790 --> 00:41:53,599

uh i'm sad to say

833

00:41:59,750 --> 00:41:56,800

it didn't take it didn't come home

834

00:42:01,430 --> 00:41:59,760

but it sure tasted good

835

00:42:02,950 --> 00:42:01,440

ladies and gentlemen it's my honor to

836

00:42:35,750 --> 00:42:02,960

introduce you to the newest member of

837

00:42:40,069 --> 00:42:37,990

well thank you very much and

838

00:42:42,470 --> 00:42:40,079

thank you dan for not telling all the

839

00:42:45,109 --> 00:42:42,480

stories

840

00:42:49,030 --> 00:42:45,119

i'm i'm very humbled uh

841

00:42:52,390 --> 00:42:49,040

this is uh an opportunity to uh thank my

842

00:42:55,510 --> 00:42:52,400

personal heroes uh growing up and

843

00:42:56,829 --> 00:42:55,520

the astronaut scholarship foundation and

844

00:43:04,550 --> 00:42:56,839

the

845

00:43:07,670 --> 00:43:04,560

uh i did send that letter to nasa i was

846

00:43:10,550 --> 00:43:07,680

about eight or nine when i was inspired

847

00:43:14,309 --> 00:43:10,560

uh by space and by my parents by the way

848

00:43:16,550 --> 00:43:14,319

who homesteaded that ranch in 1948

849

00:43:19,270 --> 00:43:16,560

we didn't have much but we certainly had

850

00:43:21,270 --> 00:43:19,280

great open skies at night and i would go

851

00:43:23,670 --> 00:43:21,280

and like look at the stars and look at

852

00:43:25,349 --> 00:43:23,680

the milky way which you could see i

853

00:43:27,589 --> 00:43:25,359

remind a lot the young people in this

854

00:43:29,430 --> 00:43:27,599

audience to go do that

855

00:43:31,190 --> 00:43:29,440

and i remember very clearly and i guess

856

00:43:33,270 --> 00:43:31,200

i'm old enough to talk about this is

857

00:43:35,190 --> 00:43:33,280

that i had what i considered an out of

858

00:43:37,990 --> 00:43:35,200

body experience

859

00:43:39,990 --> 00:43:38,000

i was looking at the stars one night

860

00:43:42,790 --> 00:43:40,000

and it was like it was a very clear

861

00:43:44,470 --> 00:43:42,800

crisp night i think it was october

862

00:43:47,190 --> 00:43:44,480

and it was like they were kind of

863

00:43:49,430 --> 00:43:47,200

sucking me out and and i just and i

864

00:43:51,349 --> 00:43:49,440

almost you know i got physically weak

865

00:43:54,230 --> 00:43:51,359

and i said you know this is what i've

866

00:43:56,870 --> 00:43:54,240

got to do for the rest of my life this

867

00:43:59,670 --> 00:43:56,880

is what my passion is and i will do

868

00:44:01,990 --> 00:43:59,680

whatever it takes to make it happen

869

00:44:04,390 --> 00:44:02,000

and so i was in a very small school

870

00:44:07,349 --> 00:44:04,400

about 22 in my class for the first eight

871

00:44:09,670 --> 00:44:07,359

grades and great teachers

872

00:44:12,069 --> 00:44:09,680

passionate teachers and it was my eighth

873

00:44:14,390 --> 00:44:12,079

grade teacher that i confided with when

874

00:44:15,990 --> 00:44:14,400

he asked me what i wanted to do when i

875

00:44:19,109 --> 00:44:16,000

grew up because i had to go now into a

876

00:44:21,030 --> 00:44:19,119

bigger city of 2600 i think for high

877

00:44:22,870 --> 00:44:21,040

school i remember

878

00:44:24,870 --> 00:44:22,880

and he's and i told him i wanted to

879

00:44:26,710 --> 00:44:24,880

build spaceships and fly in them because

880

00:44:28,710 --> 00:44:26,720

i'd been watching flash gordon which was

881

00:44:31,589 --> 00:44:28,720

also now on our tv

882

00:44:33,750 --> 00:44:31,599

and he said well you'll need algebra

883

00:44:36,550 --> 00:44:33,760

and i said what's that and he said trust

884

00:44:38,870 --> 00:44:36,560

me and i did and i took the math and the

885

00:44:40,710 --> 00:44:38,880

science and you know physics it was my

886

00:44:43,270 --> 00:44:40,720

physics teacher who pointed me to

887

00:44:45,910 --> 00:44:43,280

engineering but it was my parents who

888

00:44:48,470 --> 00:44:45,920

taught me about hard work perseverance

889

00:44:51,349 --> 00:44:48,480

vision the quest for knowledge and

890

00:44:54,470 --> 00:44:51,359

education even if it wasn't formal my

891

00:44:56,309 --> 00:44:54,480

mother is out there ethel dunbar

892

00:45:03,910 --> 00:44:56,319

come on

893

00:45:08,870 --> 00:45:06,950

sadly my my father's not here but um

894

00:45:10,630 --> 00:45:08,880

what dan didn't tell you on our on our

895

00:45:11,990 --> 00:45:10,640

mission together we were waived off i

896

00:45:13,750 --> 00:45:12,000

think a day

897

00:45:15,349 --> 00:45:13,760

and an orbit i don't remember how many

898

00:45:18,230 --> 00:45:15,359

times we waved off but we didn't get

899

00:45:19,670 --> 00:45:18,240

backed on time i think and then we had a

900

00:45:21,190 --> 00:45:19,680

long time getting out of the shuttle

901
00:45:23,430 --> 00:45:21,200
because there were a variety of things

902
00:45:25,589 --> 00:45:23,440
so about dawn we got out and

903
00:45:28,630 --> 00:45:25,599
and uh we met the families and dan

904
00:45:34,390 --> 00:45:28,640
apologized to my father for keeping his

905
00:45:40,309 --> 00:45:35,750
so

906
00:45:43,430 --> 00:45:40,319
of help and mentors and i had my family

907
00:45:46,309 --> 00:45:43,440
i had teachers i had professor mueller

908
00:45:48,710 --> 00:45:46,319
along the way and it is really all about

909
00:45:50,550 --> 00:45:48,720
where we're going as a society

910
00:45:52,870 --> 00:45:50,560
i was very fortunate to be born in this

911
00:45:54,870 --> 00:45:52,880
great nation and i know that my my

912
00:45:57,109 --> 00:45:54,880
grandparents immigrated to this nation

913
00:45:59,109 --> 00:45:57,119

because of its greatness

914

00:46:01,030 --> 00:45:59,119

and it's enabled me to have a wonderful

915

00:46:03,750 --> 00:46:01,040

first class education

916

00:46:05,510 --> 00:46:03,760

and now the opportunity to give back and

917

00:46:07,670 --> 00:46:05,520

part of that giving back is to ensure

918

00:46:09,589 --> 00:46:07,680

that we keep our vision forward that we

919

00:46:10,710 --> 00:46:09,599

continue to explore and we invest in

920

00:46:13,589 --> 00:46:10,720

these young people through the

921

00:46:16,550 --> 00:46:13,599

scholarship foundation and younger

922

00:46:19,109 --> 00:46:16,560

because i want to live long enough to as

923

00:46:25,829 --> 00:46:19,119

flash gordon did to see someone walk on

924

00:46:29,670 --> 00:46:27,829

congratulations bonnie dunbar and

925

00:46:35,270 --> 00:46:29,680

welcome to the united states astronaut

926

00:46:41,589 --> 00:46:38,710

our next inductee today is kurt brown

927

00:46:44,550 --> 00:46:41,599

astronaut kurt brown is a retired us air

928

00:46:47,550 --> 00:46:44,560

force colonel and a veteran of six space

929

00:46:52,550 --> 00:46:47,560

flights during which he logged more than

930

00:46:54,829 --> 00:46:52,560

1380 hours that's 57 days in space

931

00:46:57,589 --> 00:46:54,839

brown first served as pilot for

932

00:47:02,309 --> 00:46:57,599

sts-47 aboard space shuttle endeavour in

933

00:47:07,190 --> 00:47:02,319

1992 he next served as pilot for sts-66

934

00:47:10,550 --> 00:47:07,200

in 1994 to board atlantis in 1966.

935

00:47:12,790 --> 00:47:10,560

on sts-77 his third time in

936

00:47:15,030 --> 00:47:12,800

pilot brown assisted the crew aboard

937

00:47:17,829 --> 00:47:15,040

space shuttle endeavour as it performed

938

00:47:19,589 --> 00:47:17,839

a record number of rendezvous sequences

939

00:47:22,230 --> 00:47:19,599

including the deployment and retrieval

940

00:47:25,270 --> 00:47:22,240

of the spartan satellite brown's fourth

941

00:47:28,950 --> 00:47:25,280

space flight was as sts-85 commander

942

00:47:31,430 --> 00:47:28,960

aboard discovery in 1997

943

00:47:35,910 --> 00:47:31,440

brown was commander of discovery again

944

00:47:37,670 --> 00:47:35,920

for sts 95 in 1998. that you all

945

00:47:40,069 --> 00:47:37,680

remember was the historic mission that

946

00:47:41,670 --> 00:47:40,079

marks senator john glenn's triumphant

947

00:47:43,750 --> 00:47:41,680

return to space

948

00:47:45,670 --> 00:47:43,760

a year later brown completed his third

949

00:47:48,470 --> 00:47:45,680

run as commander aboard space shuttle

950

00:47:50,790 --> 00:47:48,480

discovery on sts-103

951
00:47:53,430 --> 00:47:50,800
the focus of which was the installation

952
00:47:55,750 --> 00:47:53,440
of new instruments and upgraded systems

953
00:47:57,829 --> 00:47:55,760
on the hubble space telescope during his

954
00:47:59,430 --> 00:47:57,839
time at nasa brown served as the

955
00:48:02,390 --> 00:47:59,440
astronaut office lead of shuttle

956
00:48:04,950 --> 00:48:02,400
operations and deputy of the flight crew

957
00:48:06,309 --> 00:48:04,960
operations directorate

958
00:48:29,910 --> 00:48:06,319
let's take a look at some video

959
00:48:43,430 --> 00:48:32,069
endeavor on america's 50th space shuttle

960
00:48:46,829 --> 00:48:45,510
liftoff of atlanta for on a mission to

961
00:48:48,390 --> 00:48:46,839
study planet

962
00:48:49,510 --> 00:48:48,400
earth hey scott's awesome he's done a

963
00:48:51,670 --> 00:48:49,520

good job

964

00:48:56,790 --> 00:48:51,680

thanks kirk if he can just get him to

965

00:49:05,750 --> 00:48:59,430

liftoff of the space shuttle endeavor

966

00:49:12,950 --> 00:49:08,470

and liftoff of discovery on a mission to

967

00:49:17,670 --> 00:49:15,190

and liftoff of discovery with a crew of

968

00:49:30,950 --> 00:49:17,680

six astronaut heroes and one american

969

00:49:30,960 --> 00:49:40,710

and lifts off with a special discovery

970

00:49:44,470 --> 00:49:42,549

every houston we see a good grapple

971

00:49:46,230 --> 00:49:44,480

discovery we followed the room you have

972

00:49:55,990 --> 00:49:46,240

a go for the release of the hubble space

973

00:50:20,710 --> 00:49:57,990

ladies and gentlemen astronaut kurt

974

00:50:24,549 --> 00:50:22,549

to present kurt brown into the united

975

00:50:26,950 --> 00:50:24,559

states astronaut hall of fame please

976
00:50:34,710 --> 00:50:26,960
welcome hall of fame astronaut hoot

977
00:50:39,109 --> 00:50:37,270
well in case you couldn't tell

978
00:50:41,109 --> 00:50:39,119
kurt brown has about the largest

979
00:50:43,430 --> 00:50:41,119
cheering section here

980
00:50:45,510 --> 00:50:43,440
there are 38 people from i think

981
00:50:47,990 --> 00:50:45,520
elizabethtown north carolina that are

982
00:50:50,069 --> 00:50:48,000
here to chur cheer kurt on so

983
00:50:51,750 --> 00:50:50,079
congratulations curt and welcome to all

984
00:50:53,990 --> 00:50:51,760
of you

985
00:50:57,030 --> 00:50:54,000
kurt joined the astronaut corps with the

986
00:50:59,030 --> 00:50:57,040
1987 class

987
00:51:02,230 --> 00:50:59,040
having graduated from the air force

988
00:51:04,710 --> 00:51:02,240

academy in electrical engineering

989

00:51:06,309 --> 00:51:04,720

which everybody abbreviates as ee

990

00:51:08,630 --> 00:51:06,319

and kurt's the one that pointed out to

991

00:51:12,390 --> 00:51:08,640

me that ee

992

00:51:16,630 --> 00:51:14,230

i can't help it it's kurt that told me

993

00:51:19,030 --> 00:51:16,640

about that well i have known kurt for a

994

00:51:22,150 --> 00:51:19,040

long long time and i sure have a whole

995

00:51:24,790 --> 00:51:22,160

lot of kurt brown stories

996

00:51:28,150 --> 00:51:24,800

last night kurt reminded me

997

00:51:32,790 --> 00:51:31,030

and he has a whole lot on me so as a

998

00:51:34,829 --> 00:51:32,800

result i don't have hardly any stories

999

00:51:37,670 --> 00:51:34,839

at all to tell about

1000

00:51:40,069 --> 00:51:37,680

kurt i got to have the wonderful

1001

00:51:42,710 --> 00:51:40,079

experience of training with kurt

1002

00:51:44,309 --> 00:51:42,720

on the 50th space shuttle launch space

1003

00:51:48,950 --> 00:51:44,319

lab j

1004

00:51:52,230 --> 00:51:48,960

joint flight with the japanese we had a

1005

00:51:54,549 --> 00:51:52,240

japanese scientist on board mamuru mori

1006

00:51:56,549 --> 00:51:54,559

and the japanese paid for virtually all

1007

00:52:00,069 --> 00:51:56,559

of the mission it had some interesting

1008

00:52:01,109 --> 00:52:00,079

things on it we had frogs fishes and

1009

00:52:02,390 --> 00:52:01,119

hornets

1010

00:52:05,270 --> 00:52:02,400

on board

1011

00:52:08,790 --> 00:52:05,280

and frogs and fishes that's no problem

1012

00:52:11,030 --> 00:52:08,800

but hornets we had 256

1013

00:52:14,230 --> 00:52:11,040

carnivorous hornets

1014

00:52:15,589 --> 00:52:14,240

in an enclosure fortunately uh aboard

1015

00:52:17,750 --> 00:52:15,599

endeavour

1016

00:52:19,670 --> 00:52:17,760

and it had occurred to me a couple times

1017

00:52:22,150 --> 00:52:19,680

man i sure hope none of those guys get

1018

00:52:23,829 --> 00:52:22,160

loose in the cabin with us because these

1019

00:52:25,270 --> 00:52:23,839

things are about two and a half inches

1020

00:52:26,870 --> 00:52:25,280

long and they're they're meat eaters

1021

00:52:29,030 --> 00:52:26,880

they're carnivorous and i didn't want

1022

00:52:32,309 --> 00:52:29,040

them feeding on us

1023

00:52:33,829 --> 00:52:32,319

but the mission was really easy compared

1024

00:52:37,190 --> 00:52:33,839

to the training

1025

00:52:40,549 --> 00:52:37,200

and curt grew up in north carolina

1026

00:52:43,349 --> 00:52:40,559

and food wise he's very much an american

1027

00:52:45,670 --> 00:52:43,359

standard food sort of person

1028

00:52:46,870 --> 00:52:45,680

and we spent two weeks all together in

1029

00:52:49,030 --> 00:52:46,880

japan

1030

00:52:50,230 --> 00:52:49,040

in the course of this mission

1031

00:52:52,549 --> 00:52:50,240

and

1032

00:52:55,190 --> 00:52:52,559

i was afraid kurt was going to starve to

1033

00:52:57,430 --> 00:52:55,200

death on this mission

1034

00:53:00,710 --> 00:52:57,440

because some of the things that we had

1035

00:53:02,549 --> 00:53:00,720

to eat i'll give you just two examples

1036

00:53:04,790 --> 00:53:02,559

one morning for breakfast with

1037

00:53:05,910 --> 00:53:04,800

chopsticks of course i'm eating a bowl

1038

00:53:07,990 --> 00:53:05,920

of noodles

1039

00:53:10,549 --> 00:53:08,000

and they had some kind of spicy sauce on

1040

00:53:12,230 --> 00:53:10,559

them and they were really good

1041

00:53:16,150 --> 00:53:12,240

and then i took a closer look and i

1042

00:53:19,430 --> 00:53:16,160

noticed that these noodles had eyes

1043

00:53:21,670 --> 00:53:19,440

and i asked mamuru i said memoria what

1044

00:53:23,910 --> 00:53:21,680

is this and he said oh those are baby

1045

00:53:27,270 --> 00:53:23,920

eels

1046

00:53:31,750 --> 00:53:27,280

and i have one more example we were at

1047

00:53:32,950 --> 00:53:31,760

um heavy industries in kobe japan having

1048

00:53:34,549 --> 00:53:32,960

lunch

1049

00:53:36,069 --> 00:53:34,559

and i got to thinking well we're having

1050

00:53:38,230 --> 00:53:36,079

beef for lunch

1051

00:53:40,790 --> 00:53:38,240

i wonder if this is kobe beef so once

1052

00:53:43,430 --> 00:53:40,800

again i asked mamuro is this kobe beef

1053

00:53:45,510 --> 00:53:43,440

well memorial asked the waiter and the

1054

00:53:48,150 --> 00:53:45,520

waiter told him and memorial came back

1055

00:53:50,069 --> 00:53:48,160

to me and he said yes this is kobe beef

1056

00:53:53,270 --> 00:53:50,079

and i'm thinking wow that's really neat

1057

00:53:56,230 --> 00:53:53,280

and he said it's tongue

1058

00:53:59,829 --> 00:53:56,240

and at that point at least one member of

1059

00:54:02,710 --> 00:53:59,839

the crew jan davis stopped eating lunch

1060

00:54:04,790 --> 00:54:02,720

that was about the end of it

1061

00:54:06,390 --> 00:54:04,800

well kurt and i have had this funny

1062

00:54:08,390 --> 00:54:06,400

thing that we've done to each other for

1063

00:54:10,870 --> 00:54:08,400

a great many years any time when we were

1064

00:54:12,630 --> 00:54:10,880

training if i flew a half decent landing

1065

00:54:14,549 --> 00:54:12,640

in the simulator

1066

00:54:16,470 --> 00:54:14,559

kurt wouldn't say hey that was a nice

1067

00:54:18,390 --> 00:54:16,480

landing hoot it was always

1068

00:54:21,109 --> 00:54:18,400

nominal hoot

1069

00:54:22,790 --> 00:54:21,119

everything was nominal well on my final

1070

00:54:25,430 --> 00:54:22,800

space flight

1071

00:54:26,710 --> 00:54:25,440

curt was the capsule communicator the

1072

00:54:29,270 --> 00:54:26,720

capcom

1073

00:54:31,190 --> 00:54:29,280

and so he was the one that i was talking

1074

00:54:33,349 --> 00:54:31,200

to during launch well right after solid

1075

00:54:36,150 --> 00:54:33,359

rocket motor separation

1076

00:54:38,630 --> 00:54:36,160

the call that the capcom makes is

1077

00:54:39,829 --> 00:54:38,640

atlantis houston first stage performance

1078

00:54:42,390 --> 00:54:39,839

nominal

1079

00:54:43,510 --> 00:54:42,400

and so i had the opportunity to reply

1080

00:54:46,950 --> 00:54:43,520

and say

1081

00:54:49,109 --> 00:54:46,960

copy nominal kurt

1082

00:54:52,470 --> 00:54:49,119

for all the world to hear

1083

00:54:55,829 --> 00:54:52,480

well after we left nasa

1084

00:54:58,549 --> 00:54:55,839

i couldn't get rid of him

1085

00:55:02,230 --> 00:54:58,559

i got started in racing unlimited air

1086

00:55:03,990 --> 00:55:02,240

racers at reno in 1998

1087

00:55:06,630 --> 00:55:04,000

and worked on making this airplane

1088

00:55:08,390 --> 00:55:06,640

faster and and building up the

1089

00:55:10,710 --> 00:55:08,400

horsepower in the engine and going

1090

00:55:12,789 --> 00:55:10,720

faster and faster finally was doing

1091

00:55:14,789 --> 00:55:12,799

pretty darn well racing this airplane

1092

00:55:17,190 --> 00:55:14,799

called ruffraff which my wife says is

1093

00:55:19,349 --> 00:55:17,200

most appropriate

1094

00:55:21,990 --> 00:55:19,359

and then kurt shows up

1095

00:55:24,950 --> 00:55:22,000

aft after doing this for six years kurt

1096

00:55:26,710 --> 00:55:24,960

shows up in this extremely fast p-51

1097

00:55:30,150 --> 00:55:26,720

mustang named voodoo

1098

00:55:32,870 --> 00:55:30,160

and just blew my doors off

1099

00:55:34,870 --> 00:55:32,880

so i got to race in the jet class a

1100

00:55:36,630 --> 00:55:34,880

little bit figuring okay i can get away

1101

00:55:39,109 --> 00:55:36,640

from him there in the jet class well

1102

00:55:42,390 --> 00:55:39,119

guess what he does he shows up

1103

00:55:45,750 --> 00:55:42,400

in a real fast jet and blew my doors off

1104

00:55:47,030 --> 00:55:45,760

in the jet class as well i can't get rid

1105

00:55:49,349 --> 00:55:47,040

of him

1106

00:55:52,150 --> 00:55:49,359

well you know what finally this last

1107

00:55:53,750 --> 00:55:52,160

september i think kurt finally felt

1108

00:55:55,190 --> 00:55:53,760

sorry for me

1109

00:55:57,109 --> 00:55:55,200

and he let me win

1110

00:55:59,670 --> 00:55:57,119

he came in fourth place in the unlimited

1111

00:56:01,510 --> 00:55:59,680

gold final and i got second place so i'm

1112

00:56:02,470 --> 00:56:01,520

pretty sure he pulled his throttle back

1113

00:56:05,589 --> 00:56:02,480

a little bit

1114

00:56:10,870 --> 00:56:07,910

so speaking of winning

1115

00:56:14,069 --> 00:56:10,880

today we are here to celebrate a really

1116

00:56:15,750 --> 00:56:14,079

great triumphant win for kurt brown

1117

00:56:17,670 --> 00:56:15,760

so on behalf of the astronaut

1118

00:56:20,150 --> 00:56:17,680

scholarship foundation

1119

00:56:59,270 --> 00:56:20,160

kurt congratulations and welcome to the

1120

00:57:03,349 --> 00:57:01,670

well i'm very uh

1121

00:57:04,789 --> 00:57:03,359

i really can't believe this is happening

1122

00:57:06,309 --> 00:57:04,799

folks it's uh

1123

00:57:09,270 --> 00:57:06,319

it's quite an honor and i'm very very

1124

00:57:12,710 --> 00:57:11,510

being here today

1125

00:57:14,230 --> 00:57:12,720

when i

1126

00:57:17,430 --> 00:57:14,240

was told that hoot was doing my

1127

00:57:19,910 --> 00:57:17,440

introduction i got really worried though

1128

00:57:21,030 --> 00:57:19,920

and it proved to be correct

1129

00:57:22,549 --> 00:57:21,040

um

1130

00:57:25,430 --> 00:57:22,559

i'm not sure you can believe anything he

1131

00:57:27,349 --> 00:57:25,440

says but anyway thank you very much hoot

1132

00:57:31,589 --> 00:57:27,359

where are you at back there

1133

00:57:35,270 --> 00:57:33,190

no seriously thank you very much for

1134

00:57:36,950 --> 00:57:35,280

everyone for being here and um

1135

00:57:38,549 --> 00:57:36,960

first of all i'd like to thank charlie

1136

00:57:40,870 --> 00:57:38,559

and your board and the astronaut

1137

00:57:43,510 --> 00:57:40,880

scholarship foundation for such a a

1138

00:57:45,270 --> 00:57:43,520

great event and a great purpose

1139

00:57:46,870 --> 00:57:45,280

you guys do a great job thank you very

1140

00:57:48,470 --> 00:57:46,880

very much for that and i'm i'm very

1141

00:57:57,190 --> 00:57:48,480

humble to be part of it and i'll do my

1142

00:58:01,030 --> 00:57:59,109

i'm looking for bob seek he has to be

1143

00:58:04,710 --> 00:58:01,040

out there somewhere there's bob and mr

1144

00:58:06,390 --> 00:58:04,720

leinbach where is he at back there okay

1145

00:58:08,950 --> 00:58:06,400

first of all bob you and your team thank

1146

00:58:11,030 --> 00:58:08,960

you very much for um they're the team

1147

00:58:12,710 --> 00:58:11,040

actually that does the voting process

1148

00:58:14,710 --> 00:58:12,720

and the induction into the hall of fame

1149

00:58:18,870 --> 00:58:14,720

and obviously the money i sent you was

1150

00:58:22,390 --> 00:58:21,270

and between bob and mike lombach back

1151
00:58:24,150 --> 00:58:22,400
there

1152
00:58:25,670 --> 00:58:24,160
they gave me six space shuttles that

1153
00:58:29,750 --> 00:58:25,680
were

1154
00:58:31,829 --> 00:58:29,760
obviously had a very successful missions

1155
00:58:33,270 --> 00:58:31,839
but i do think i'm the only astronaut or

1156
00:58:35,670 --> 00:58:33,280
at least commander that launched and

1157
00:58:37,750 --> 00:58:35,680
left part of my orbiter on the ground

1158
00:58:40,630 --> 00:58:37,760
and i have my drag shoe door at home and

1159
00:58:42,069 --> 00:58:40,640
i don't think i'll ever get rid of it

1160
00:58:44,230 --> 00:58:42,079
that's kind of the inside joke but

1161
00:58:46,470 --> 00:58:44,240
anyway

1162
00:58:48,470 --> 00:58:46,480
lynn leblanc i didn't have the chance to

1163
00:58:49,829 --> 00:58:48,480

work with lynn very much she's she's

1164

00:58:51,030 --> 00:58:49,839

leaving the astronaut scholarship

1165

00:58:53,990 --> 00:58:51,040

foundation

1166

00:58:55,349 --> 00:58:54,000

but lynn and her staff did a tremendous

1167

00:58:57,270 --> 00:58:55,359

there's lynn right there did a

1168

00:58:58,230 --> 00:58:57,280

tremendous job over the many years she's

1169

00:59:00,710 --> 00:58:58,240

been here

1170

00:59:02,870 --> 00:59:00,720

and we all wish you the best of

1171

00:59:04,630 --> 00:59:02,880

luck in your future endeavors and i'm

1172

00:59:07,190 --> 00:59:04,640

sorry that i won't get to work with you

1173

00:59:14,230 --> 00:59:07,200

unless i talk you into coming back so

1174

00:59:19,589 --> 00:59:17,589

where is um where's ross at

1175

00:59:21,510 --> 00:59:19,599

oh there he is back there okay i'm at

1176

00:59:24,150 --> 00:59:21,520

the airport ross works for the

1177

00:59:26,549 --> 00:59:24,160

scholarship foundation as a volunteer

1178

00:59:28,630 --> 00:59:26,559

and uh so ross i'm at the airport ross

1179

00:59:30,630 --> 00:59:28,640

picks up the airport he shakes my hand

1180

00:59:33,349 --> 00:59:30,640

and like breaks it off okay so then i

1181

00:59:35,589 --> 00:59:33,359

knew he was probably either military or

1182

00:59:38,950 --> 00:59:35,599

law enforcement unfortunately hoot for

1183

00:59:46,630 --> 00:59:41,589

but

1184

00:59:48,069 --> 00:59:46,640

i have one

1185

00:59:49,750 --> 00:59:48,079

suggestion i wanted you to show up in

1186

00:59:51,910 --> 00:59:49,760

your squad car so we could do the lights

1187

00:59:53,510 --> 00:59:51,920

and the sirens and stuff and the hell

1188

00:59:56,150 --> 00:59:53,520

with those toll booths you know we could

1189

00:59:58,950 --> 00:59:56,160

go right through there but

1190

01:00:00,549 --> 00:59:58,960

anyway we had a lot of fun

1191

01:00:02,150 --> 01:00:00,559

as hoot mentioned i have a lot of folks

1192

01:00:03,990 --> 01:00:02,160

here um

1193

01:00:05,990 --> 01:00:04,000

mary and i got together and decided to

1194

01:00:08,069 --> 01:00:06,000

send out our invitations and stuff and

1195

01:00:09,910 --> 01:00:08,079

we're going boy this is a big uh it's a

1196

01:00:11,750 --> 01:00:09,920

big deal for me but for the other folks

1197

01:00:14,470 --> 01:00:11,760

uh that's a lot of expense to come down

1198

01:00:16,789 --> 01:00:14,480

and be part of this so we um we said

1199

01:00:18,309 --> 01:00:16,799

shoot is better to invite

1200

01:00:20,069 --> 01:00:18,319

and have them turn us down than not

1201

01:00:21,109 --> 01:00:20,079

invite at all so we invited all our

1202

01:00:26,150 --> 01:00:21,119

friends and

1203

01:00:30,630 --> 01:00:27,430

um

1204

01:00:37,829 --> 01:00:30,640

i want my my sons greg's here and

1205

01:00:41,030 --> 01:00:38,630

my

1206

01:00:43,270 --> 01:00:41,040

brother's here and his son

1207

01:00:45,109 --> 01:00:43,280

my two sisters are here

1208

01:00:46,870 --> 01:00:45,119

and uh obviously my beautiful wife's

1209

01:00:49,510 --> 01:00:46,880

here and then especially my aunt and

1210

01:00:51,430 --> 01:00:49,520

uncle are here they're the uh

1211

01:00:53,270 --> 01:00:51,440

can you say matriarch or patriarch or

1212

01:00:55,990 --> 01:00:53,280

however that is of our family so i have

1213

01:00:57,510 --> 01:00:56,000

the whole style my whole family's here

1214

01:00:59,349 --> 01:00:57,520

and uh it's very very i'm very very

1215

01:01:01,109 --> 01:00:59,359

honored to share this with them

1216

01:01:03,030 --> 01:01:01,119

i also have a lot of aviation friends as

1217

01:01:05,510 --> 01:01:03,040

who mentioned i do some air racing and i

1218

01:01:07,910 --> 01:01:05,520

have a number of racing friends here and

1219

01:01:10,549 --> 01:01:07,920

also um some airline friends that i i

1220

01:01:11,589 --> 01:01:10,559

work with at the job and they're here

1221

01:01:12,549 --> 01:01:11,599

and

1222

01:01:14,630 --> 01:01:12,559

then

1223

01:01:16,710 --> 01:01:14,640

i have a whole group of my friends from

1224

01:01:18,309 --> 01:01:16,720

our local area in hudson wisconsin mary

1225

01:01:20,069 --> 01:01:18,319

and i live in the twin cities and just

1226

01:01:21,109 --> 01:01:20,079

across the river in wisconsin is where

1227

01:01:22,470 --> 01:01:21,119

we live

1228

01:01:26,470 --> 01:01:22,480

and

1229

01:01:28,470 --> 01:01:26,480

think i finally figured it out um

1230

01:01:30,470 --> 01:01:28,480

you know yesterday they had a huge

1231

01:01:34,069 --> 01:01:30,480

snowstorm about 12 inches or so so i

1232

01:01:37,910 --> 01:01:35,990

well i'm sure i forgot someone but

1233

01:01:40,549 --> 01:01:37,920

seriously thank you so much for showing

1234

01:01:43,270 --> 01:01:40,559

up it means a lot to mary and i and this

1235

01:01:45,910 --> 01:01:43,280

is a one time in a lifetime event and

1236

01:01:48,309 --> 01:01:45,920

i'm so glad that you're part of it

1237

01:01:49,750 --> 01:01:48,319

one aspect of being an astronaut is

1238

01:01:51,670 --> 01:01:49,760

obviously it's a lot of fun we get to go

1239

01:01:53,910 --> 01:01:51,680

more of it and all that but

1240

01:01:56,549 --> 01:01:53,920

the great people you get to work with

1241

01:01:58,710 --> 01:01:56,559

uh i'm a pilot i'm an aviator i'm not a

1242

01:02:01,029 --> 01:01:58,720

really smart guy

1243

01:02:03,190 --> 01:02:01,039

geek is how you spell it so um

1244

01:02:05,109 --> 01:02:03,200

but i'd like to seriously thank dan

1245

01:02:06,950 --> 01:02:05,119

brandenstein and bob cabana and hugh

1246

01:02:08,630 --> 01:02:06,960

gibson they were the chief astronauts at

1247

01:02:09,670 --> 01:02:08,640

the time that i was having my career at

1248

01:02:12,230 --> 01:02:09,680

nasa

1249

01:02:15,109 --> 01:02:12,240

and through their guidance smart

1250

01:02:16,630 --> 01:02:15,119

decisions flight assignments and stuff

1251

01:02:18,150 --> 01:02:16,640

i think without their guidance i

1252

01:02:19,670 --> 01:02:18,160

wouldn't be here today so i really want

1253

01:02:21,190 --> 01:02:19,680

to thank you guys for

1254

01:02:22,230 --> 01:02:21,200

taking care of me and keeping me out of

1255

01:02:27,589 --> 01:02:22,240

trouble

1256

01:02:33,029 --> 01:02:30,390

who was my first commander

1257

01:02:35,190 --> 01:02:33,039

on space shuttle endeavor as sts-47 back

1258

01:02:36,710 --> 01:02:35,200

in 1992

1259

01:02:38,710 --> 01:02:36,720

and if you don't know hoot it's not like

1260

01:02:39,910 --> 01:02:38,720

you can have you cannot have fun when

1261

01:02:42,150 --> 01:02:39,920

you're working with hoot so we had a

1262

01:02:43,750 --> 01:02:42,160

blast

1263

01:02:45,349 --> 01:02:43,760

i learned a whole bunch from hoot and i

1264

01:02:47,589 --> 01:02:45,359

give him a lot of credit seriously for

1265

01:02:49,829 --> 01:02:47,599

my career at nasa he taught me how to be

1266

01:02:54,870 --> 01:02:49,839

a good commander a great commander maybe

1267

01:02:54,880 --> 01:02:58,950

you got to make this fun folks okay

1268

01:03:03,029 --> 01:03:01,190

but who told me a lot about being a

1269

01:03:04,309 --> 01:03:03,039

commander and how to organize your team

1270

01:03:05,910 --> 01:03:04,319

and how to have missions that were

1271

01:03:07,430 --> 01:03:05,920

successful and and that's what we're

1272

01:03:09,430 --> 01:03:07,440

here for to go out and do good missions

1273

01:03:12,069 --> 01:03:09,440

and make them successful so thank you

1274

01:03:13,349 --> 01:03:12,079

very very much hoot for that and um

1275

01:03:15,670 --> 01:03:13,359

you know i was feeling real good about

1276

01:03:17,270 --> 01:03:15,680

that until last night at the dinner and

1277

01:03:19,190 --> 01:03:17,280

an astronaut came up to me and they said

1278

01:03:20,789 --> 01:03:19,200

you know you know

1279

01:03:21,990 --> 01:03:20,799

after having hooted your first commander

1280

01:03:25,589 --> 01:03:22,000

you actually did all right after that

1281

01:03:25,599 --> 01:03:28,069

anyway

1282

01:03:32,470 --> 01:03:30,630

seriously though you get to fly i i have

1283

01:03:33,750 --> 01:03:32,480

uh i had six shuttle flights so i got to

1284

01:03:35,829 --> 01:03:33,760

fly with a lot of astronauts a lot of

1285

01:03:38,069 --> 01:03:35,839

crew members over 30 uh individual

1286

01:03:40,309 --> 01:03:38,079

different crew members and uh you know

1287

01:03:41,910 --> 01:03:40,319

us astronauts obviously and a lot of

1288

01:03:43,190 --> 01:03:41,920

international astronauts i had two

1289

01:03:45,270 --> 01:03:43,200

canadians

1290

01:03:47,510 --> 01:03:45,280

on my flights i had a lot of europeans

1291

01:03:49,190 --> 01:03:47,520

and i had a couple japanese and it was

1292

01:03:50,710 --> 01:03:49,200

so awesome to work with all the folks

1293

01:03:52,710 --> 01:03:50,720

from the different countries

1294

01:03:55,430 --> 01:03:52,720

and and all those smart people again

1295

01:03:57,670 --> 01:03:55,440

because i'm a pilot and uh but no those

1296

01:04:00,309 --> 01:03:57,680

folks are unbelievable if you ever get

1297

01:04:03,589 --> 01:04:00,319

to talk to some of them and it is truly

1298

01:04:05,910 --> 01:04:03,599

amazing as you probably know i had a a

1299

01:04:08,630 --> 01:04:05,920

special crew member in

1300

01:04:10,789 --> 01:04:08,640

on sts 95 in the fall of 98 and that was

1301

01:04:13,270 --> 01:04:10,799

senator john glenn

1302

01:04:14,470 --> 01:04:13,280

and um i wish john could have

1303

01:04:15,750 --> 01:04:14,480

i wish he could have been here today

1304

01:04:17,270 --> 01:04:15,760

that would have been a lot to me and i

1305

01:04:18,470 --> 01:04:17,280

know he was trying

1306

01:04:20,470 --> 01:04:18,480

um

1307

01:04:21,990 --> 01:04:20,480

but i almost i feel sorry picking on him

1308

01:04:24,069 --> 01:04:22,000

now since he's not here he can't defend

1309

01:04:29,029 --> 01:04:24,079

himself but uh i'm gonna do it anyway

1310

01:04:32,870 --> 01:04:31,190

but john was a wonderful crew member and

1311

01:04:35,750 --> 01:04:32,880

it's really strange i have a lot of

1312

01:04:37,589 --> 01:04:35,760

heroes up here that were doing space

1313

01:04:39,270 --> 01:04:37,599

operations when i was a kid

1314

01:04:45,750 --> 01:04:39,280

and

1315

01:04:47,670 --> 01:04:45,760

to have him as a crew member was truly

1316

01:04:49,910 --> 01:04:47,680

uh an honor and uh

1317

01:04:51,589 --> 01:04:49,920

and we had a great crew we really had a

1318

01:04:53,750 --> 01:04:51,599

great crew and had a lot of fun his wife

1319

01:04:55,349 --> 01:04:53,760

annie has to be the nicest person in the

1320

01:04:56,789 --> 01:04:55,359

world and i wish she was my grandmother

1321

01:05:00,309 --> 01:04:56,799

so to speak she

1322

01:05:04,390 --> 01:05:02,309

i remember

1323

01:05:06,309 --> 01:05:04,400

a story i used to call my mom every time

1324

01:05:08,150 --> 01:05:06,319

i got assigned to a shuttle flight i'd

1325

01:05:10,710 --> 01:05:08,160

call mom up and say hey mom guess what

1326

01:05:12,150 --> 01:05:10,720

and she goes what kind of you know i say

1327

01:05:14,069 --> 01:05:12,160

mom i got assigned to another shuttle

1328

01:05:15,990 --> 01:05:14,079

flight or tour shuttle flight she goes

1329

01:05:24,789 --> 01:05:16,000

really and you know how moms are she

1330

01:05:27,430 --> 01:05:25,670

she's

1331

01:05:30,630 --> 01:05:27,440

she says if if that's what you want to

1332

01:05:32,630 --> 01:05:30,640

do i support you 100 percent you know

1333

01:05:33,990 --> 01:05:32,640

and so i i got that and i when i got

1334

01:05:35,510 --> 01:05:34,000

assigned to my second flight i caught

1335

01:05:36,789 --> 01:05:35,520

her up and she goes oh that's what you

1336

01:05:38,710 --> 01:05:36,799

want to do

1337

01:05:40,230 --> 01:05:38,720

my third flight the same and my fourth

1338

01:05:42,150 --> 01:05:40,240

flight the same and then i on my fifth

1339

01:05:43,750 --> 01:05:42,160

flight i called up mom and i said mom i

1340

01:05:45,589 --> 01:05:43,760

got some great news guess what i got

1341

01:05:47,029 --> 01:05:45,599

assigned to another shuttle flight she

1342

01:05:48,630 --> 01:05:47,039

goes really says

1343

01:05:52,230 --> 01:05:48,640

are you on the flight with john glenn

1344

01:05:54,870 --> 01:05:53,750

and

1345

01:05:59,109 --> 01:05:54,880

seriously

1346

01:06:00,950 --> 01:05:59,119

i finally broke in on the conversation

1347

01:06:02,950 --> 01:06:00,960

and i

1348

01:06:04,710 --> 01:06:02,960

go she was so excited about john flying

1349

01:06:07,190 --> 01:06:04,720

and i go mom i called you to let you

1350

01:06:08,710 --> 01:06:07,200

know that i was flying okay but

1351

01:06:09,589 --> 01:06:08,720

um

1352

01:06:10,870 --> 01:06:09,599

but

1353

01:06:12,309 --> 01:06:10,880

john was a good crew member i have to

1354

01:06:14,069 --> 01:06:12,319

tell the story again he's not here but

1355

01:06:16,549 --> 01:06:14,079

if it's in his book has anyone read his

1356

01:06:19,750 --> 01:06:17,829

they're just like that just like your

1357

01:06:22,150 --> 01:06:19,760

book where's walden

1358

01:06:25,430 --> 01:06:22,160

just like your book

1359

01:06:29,190 --> 01:06:27,109

um

1360

01:06:30,710 --> 01:06:29,200

but seriously lunch morning as as you

1361

01:06:32,390 --> 01:06:30,720

all probably know we get up in the

1362

01:06:33,990 --> 01:06:32,400

morning eat breakfast put on our suit we

1363

01:06:34,870 --> 01:06:34,000

get in the astra van we head out to the

1364

01:06:37,029 --> 01:06:34,880

pad

1365

01:06:40,470 --> 01:06:37,039

well john was 77 years old when we flew

1366

01:06:41,829 --> 01:06:40,480

in 1998 so we i we try to come up with

1367

01:06:43,270 --> 01:06:41,839

something trying to break the tension

1368

01:06:44,309 --> 01:06:43,280

because lunch morning can be pretty

1369

01:06:47,190 --> 01:06:44,319

stressful

1370

01:06:49,349 --> 01:06:47,200

so we we came up with these launch pass

1371

01:06:51,270 --> 01:06:49,359

or launch boarding passes okay and we

1372

01:06:53,270 --> 01:06:51,280

printed all them out well we had two

1373

01:06:54,870 --> 01:06:53,280

rookies on that crew

1374

01:06:56,630 --> 01:06:54,880

john which i consider rookie because if

1375

01:06:59,029 --> 01:06:56,640

you hadn't flown in a quarter of a

1376

01:07:00,710 --> 01:06:59,039

century you're probably a rookie and uh

1377

01:07:03,510 --> 01:07:00,720

and in pedro duque

1378

01:07:05,349 --> 01:07:03,520

uh pedro was the first spaniard to fly

1379

01:07:08,710 --> 01:07:05,359

in space he's like the john glenn of

1380

01:07:10,630 --> 01:07:08,720

spain and uh a wonderful crew member but

1381

01:07:11,910 --> 01:07:10,640

uh we made up these launch boarding

1382

01:07:13,910 --> 01:07:11,920

passes and we stuck them in our little

1383

01:07:17,510 --> 01:07:13,920

pocket up here on our sleeve but we did

1384

01:07:21,670 --> 01:07:19,910

so we we're in the astro van we run out

1385

01:07:23,270 --> 01:07:21,680

past the launch control center and our

1386

01:07:25,670 --> 01:07:23,280

leadership gets out thank goodness and

1387

01:07:27,430 --> 01:07:25,680

then we move on out to the pad and on

1388

01:07:28,870 --> 01:07:27,440

the pad we pull up you know the

1389

01:07:30,710 --> 01:07:28,880

orbiter's sitting there and spewing

1390

01:07:32,549 --> 01:07:30,720

making noise and groaning in the morning

1391

01:07:34,710 --> 01:07:32,559

and we stop and everybody grabs our

1392

01:07:36,549 --> 01:07:34,720

stuff and suit techs help us get get

1393

01:07:38,309 --> 01:07:36,559

standing and the driver stands up and

1394

01:07:42,950 --> 01:07:38,319

says okay boarding passes please so i

1395

01:07:46,150 --> 01:07:44,789

i i unzip my pocket and i hand it to the

1396

01:07:49,670 --> 01:07:46,160

boring pad to the driver he says thank

1397

01:07:53,029 --> 01:07:51,670

steve lindsey opens up his hands and he

1398

01:07:54,950 --> 01:07:53,039

goes thank you very much he gets off

1399

01:07:56,309 --> 01:07:54,960

scott parazynski does that steve

1400

01:07:57,829 --> 01:07:56,319

robinson does that and we're all looking

1401

01:08:01,029 --> 01:07:57,839

at john and pedro and they're they're

1402

01:08:04,309 --> 01:08:02,630

and their their hands in their pocket

1403

01:08:05,029 --> 01:08:04,319

pretty soon their elbows in their pocket

1404

01:08:07,109 --> 01:08:05,039

and

1405

01:08:08,710 --> 01:08:07,119

they're trying to find their boarding

1406

01:08:11,589 --> 01:08:08,720

pass and john goes i don't remember

1407

01:08:12,870 --> 01:08:11,599

getting a boarding pass someone someone

1408

01:08:14,950 --> 01:08:12,880

must have really screwed up because i

1409

01:08:16,789 --> 01:08:14,960

didn't get a boarding pass on stuff

1410

01:08:23,349 --> 01:08:16,799

and

1411

01:08:26,229 --> 01:08:23,359

we're going to let you go without a

1412

01:08:28,470 --> 01:08:26,239

boarding pass but uh

1413

01:08:31,430 --> 01:08:28,480

but that obviously broke the attention a

1414

01:08:33,349 --> 01:08:31,440

little bit and so it was

1415

01:08:35,110 --> 01:08:33,359

it was it was one of those moments i'll

1416

01:08:36,550 --> 01:08:35,120

never never forget

1417

01:08:40,709 --> 01:08:36,560

but

1418

01:08:42,789 --> 01:08:40,719

kid i wanted to fly i don't ask me why

1419

01:08:44,709 --> 01:08:42,799

my mom and dad didn't fly my uh none of

1420

01:08:46,390 --> 01:08:44,719

my family flew the airport in town had a

1421

01:08:47,590 --> 01:08:46,400

grass runway with no airplanes and no

1422

01:08:49,189 --> 01:08:47,600

hangers and

1423

01:08:50,950 --> 01:08:49,199

but

1424

01:08:52,789 --> 01:08:50,960

for some reason i wanted to fly

1425

01:08:53,829 --> 01:08:52,799

seriously that was my dream in life was

1426

01:08:56,950 --> 01:08:53,839

the fly

1427

01:08:59,669 --> 01:08:56,960

and like a lot of astronauts

1428

01:09:01,349 --> 01:08:59,679

nowadays and in the past we come i came

1429

01:09:03,669 --> 01:09:01,359

from a very small town in north carolina

1430

01:09:05,430 --> 01:09:03,679

southeastern north carolina my family

1431

01:09:07,910 --> 01:09:05,440

owned a hardware store and i worked in a

1432

01:09:09,910 --> 01:09:07,920

hardware store all my life up until

1433

01:09:12,070 --> 01:09:09,920

going off to college learned a lot but

1434

01:09:14,709 --> 01:09:12,080

it was never really my passion it was

1435

01:09:16,070 --> 01:09:14,719

flying was my passion and so i stayed up

1436

01:09:17,590 --> 01:09:16,080

my money and i started flying at that

1437

01:09:19,110 --> 01:09:17,600

little airport finally when they got an

1438

01:09:20,470 --> 01:09:19,120

airplane so uh

1439

01:09:21,349 --> 01:09:20,480

um

1440

01:09:24,470 --> 01:09:21,359

but

1441

01:09:25,510 --> 01:09:24,480

it reminds me another hoot story okay

1442

01:09:27,110 --> 01:09:25,520

and um

1443

01:09:28,229 --> 01:09:27,120

we're over in japan as hoop mentioned we

1444

01:09:30,550 --> 01:09:28,239

went over and did a lot of training in

1445

01:09:33,110 --> 01:09:30,560

japan on the first flight and uh we

1446

01:09:34,309 --> 01:09:33,120

visited the american school in japan

1447

01:09:35,910 --> 01:09:34,319

and we're down in front kind of like

1448

01:09:37,669 --> 01:09:35,920

this here and all the students are out

1449

01:09:39,990 --> 01:09:37,679

there and they're asking questions and

1450

01:09:41,669 --> 01:09:40,000

uh this young student raised a hand and

1451

01:09:43,990 --> 01:09:41,679

i said yes and they go did you always

1452

01:09:46,950 --> 01:09:44,000

want to be an astronaut and i said well

1453

01:09:48,550 --> 01:09:46,960

i have to be honest i never i i i didn't

1454

01:09:50,550 --> 01:09:48,560

want to be always want to be an

1455

01:09:52,229 --> 01:09:50,560

astronaut

1456

01:09:55,990 --> 01:09:52,239

and i got kind of excited you know kind

1457

01:09:57,990 --> 01:09:56,000

of like i'm doing now and uh and

1458

01:10:00,470 --> 01:09:58,000

i kind of misspoke i said i just wanted

1459

01:10:02,310 --> 01:10:00,480

to fly really bad you know and and then

1460

01:10:05,990 --> 01:10:02,320

hoot who jumped right in and says let me

1461

01:10:10,550 --> 01:10:06,000

confirm it he flies really really badly

1462

01:10:15,189 --> 01:10:12,229

anyway i'm glad i recovered from all

1463

01:10:18,630 --> 01:10:17,189

to all the astronaut seriously now to

1464

01:10:21,270 --> 01:10:18,640

all the astronaut

1465

01:10:23,270 --> 01:10:21,280

scholarship scholars the past

1466

01:10:24,870 --> 01:10:23,280

the present scholars that are here the

1467

01:10:29,030 --> 01:10:24,880

future scholars that may be here and all

1468

01:10:35,189 --> 01:10:31,030

on a serious note here

1469

01:10:41,430 --> 01:10:38,470

dreams are what made this country great

1470

01:10:45,350 --> 01:10:41,440

dreams are what made nasa such a great

1471

01:10:48,550 --> 01:10:45,360

institution and so successful

1472

01:10:50,070 --> 01:10:48,560

and dreams continue to make this nation

1473

01:10:52,310 --> 01:10:50,080

very very

1474

01:10:54,310 --> 01:10:52,320

great

1475

01:10:58,790 --> 01:10:54,320

our dreams determine who we are our

1476

01:11:01,750 --> 01:10:58,800

dreams determine what we do in life

1477

01:11:05,189 --> 01:11:01,760

never think or never believe

1478

01:11:08,070 --> 01:11:05,199

that your dreams will not come true

1479

01:11:09,750 --> 01:11:08,080

my dream was to fly

1480

01:11:24,470 --> 01:11:09,760

my dream came true

1481

01:11:28,229 --> 01:11:26,550

congratulations kurt brown and welcome

1482

01:11:31,030 --> 01:11:28,239

to the united states astronaut hall of

1483

01:11:36,630 --> 01:11:33,669

our third inductee today

1484

01:11:38,870 --> 01:11:36,640

is eileen collins

1485

01:11:40,709 --> 01:11:38,880

astronaut eileen collins is a retired

1486

01:11:43,510 --> 01:11:40,719

united states air force colonel and

1487

01:11:46,550 --> 01:11:43,520

veteran of four space flights

1488

01:11:49,229 --> 01:11:46,560

collins first made history in 1995 when

1489

01:11:52,470 --> 01:11:49,239

she took the controls of discovery on

1490

01:11:55,350 --> 01:11:52,480

sts-63 and became the first woman space

1491

01:11:58,149 --> 01:11:55,360

shuttle pilot after a second space

1492

01:12:01,189 --> 01:11:58,159

flight aboard atlantis on sts-84

1493

01:12:05,030 --> 01:12:01,199

collins again made history this time as

1494

01:12:06,870 --> 01:12:05,040

commander of columbia on sts-93

1495

01:12:09,350 --> 01:12:06,880

during this mission she and her crew

1496

01:12:11,350 --> 01:12:09,360

deployed the chandra x-ray observatory a

1497

01:12:13,830 --> 01:12:11,360

telescope that enabled scientists to

1498

01:12:17,270 --> 01:12:13,840

study the phenomenon such as exploding

1499

01:12:19,189 --> 01:12:17,280

stars quasars and black holes

1500

01:12:20,950 --> 01:12:19,199

collins served as commander again in

1501

01:12:23,189 --> 01:12:20,960

2005

1502

01:12:24,669 --> 01:12:23,199

on the historic return to flight mission

1503

01:12:26,630 --> 01:12:24,679

during which

1504

01:12:28,310 --> 01:12:26,640

sts-114's crew

1505

01:12:30,709 --> 01:12:28,320

docked space shuttle discovery at the

1506

01:12:32,709 --> 01:12:30,719

international space station to test and

1507

01:12:35,510 --> 01:12:32,719

evaluate new procedures for flight

1508

01:12:36,709 --> 01:12:35,520

safety shuttle inspection and repair

1509

01:12:39,910 --> 01:12:36,719

techniques

1510

01:12:41,870 --> 01:12:39,920

before her retirement from nasa in 2006

1511

01:12:44,070 --> 01:12:41,880

collins logged more than

1512

01:12:47,189 --> 01:12:44,080

870 hours

1513

01:12:49,510 --> 01:12:47,199

around 35 days in space

1514

01:12:51,110 --> 01:12:49,520

since then she has worked with cnn as a

1515

01:12:53,030 --> 01:12:51,120

space shuttle analyst

1516

01:12:54,790 --> 01:12:53,040

and served as an aerospace industry

1517

01:12:57,510 --> 01:12:54,800

consultant and an advisor to the

1518

01:12:59,669 --> 01:12:57,520

national space biomedical research

1519

01:13:18,870 --> 01:12:59,679

institute let's take a look at some

1520

01:13:18,880 --> 01:13:23,669

liftoff of space shuttle discovery

1521

01:13:28,630 --> 01:13:25,750

i want to say that deer is very

1522

01:13:39,590 --> 01:13:28,640

beautiful and it was very shiny and

1523

01:13:43,669 --> 01:13:41,350

and lift off of this space shuttle

1524

01:13:55,430 --> 01:13:43,679

atlantis maintaining america's constant

1525

01:13:59,990 --> 01:13:58,070

liftoff of columbia reaching new heights

1526

01:14:01,350 --> 01:14:00,000

for women x-ray

1527

01:14:04,070 --> 01:14:01,360

you're getting a little bit better view

1528

01:14:05,910 --> 01:14:04,080

of chandra out in front of the ius there

1529

01:14:08,149 --> 01:14:05,920

and i will tell you there is nothing as

1530

01:14:17,350 --> 01:14:08,159

beautiful as chandra sailing off on its

1531

01:14:21,669 --> 01:14:19,590

liftoff of space shuttle discovery

1532

01:14:40,630 --> 01:14:21,679

beginning america's new journey to the

1533

01:15:04,310 --> 01:14:42,950

ladies and gentlemen astronaut eileen

1534

01:15:08,390 --> 01:15:06,470

to present eileen collins for induction

1535

01:15:10,070 --> 01:15:08,400

in the united states astronaut hall of

1536

01:15:19,430 --> 01:15:10,080

fame please welcome hall of fame

1537

01:15:23,270 --> 01:15:21,030

well i'm sure you'll agree with me that

1538

01:15:26,149 --> 01:15:23,280

our our final inductee into the hall

1539

01:15:28,310 --> 01:15:26,159

this year comes as no surprise to

1540

01:15:30,229 --> 01:15:28,320

anyone

1541

01:15:32,149 --> 01:15:30,239

she's been leading the way

1542

01:15:34,310 --> 01:15:32,159

for others her entire career and

1543

01:15:36,310 --> 01:15:34,320

excelling at everything that she's done

1544

01:15:38,550 --> 01:15:36,320

the first female shuttle pilot the first

1545

01:15:41,189 --> 01:15:38,560

female shuttle commander

1546

01:15:43,350 --> 01:15:41,199

she's absolutely amazing

1547

01:15:44,790 --> 01:15:43,360

as a young girl from elmira in upstate

1548

01:15:46,630 --> 01:15:44,800

new york eileen used to watch the

1549

01:15:49,750 --> 01:15:46,640

airplanes take off and land and she had

1550

01:15:51,830 --> 01:15:49,760

a dream of flying and with hard work and

1551

01:15:54,790 --> 01:15:51,840

determination that dream led to a degree

1552

01:15:56,310 --> 01:15:54,800

from syracuse university in 1978 in a

1553

01:15:58,709 --> 01:15:56,320

commission in the united states air

1554

01:16:01,750 --> 01:15:58,719

force where she was one of four women to

1555

01:16:04,149 --> 01:16:01,760

attend pilot training that year

1556

01:16:06,390 --> 01:16:04,159

after earning her wings as a pilot she

1557

01:16:08,630 --> 01:16:06,400

spent three years as an instructor

1558

01:16:10,310 --> 01:16:08,640

in the t-38 advanced just

1559

01:16:12,790 --> 01:16:10,320

jet trainer at

1560

01:16:15,430 --> 01:16:12,800

advance air force base

1561

01:16:17,750 --> 01:16:15,440

she then transitioned to c-141s the

1562

01:16:20,550 --> 01:16:17,760

starlifter at travis air force base in

1563

01:16:22,310 --> 01:16:20,560

california where she was a

1564

01:16:25,270 --> 01:16:22,320

commander

1565

01:16:27,669 --> 01:16:25,280

and also an instructor pilot

1566

01:16:29,430 --> 01:16:27,679

following up her operational tour in 141

1567

01:16:31,669 --> 01:16:29,440

she spent three years at the united

1568

01:16:34,149 --> 01:16:31,679

states air force academy as an assistant

1569

01:16:35,590 --> 01:16:34,159

professor of mathematics

1570

01:16:38,310 --> 01:16:35,600

and then

1571

01:16:39,350 --> 01:16:38,320

she was the second female

1572

01:16:41,189 --> 01:16:39,360

to be

1573

01:16:43,350 --> 01:16:41,199

admitted at the coveted air force test

1574

01:16:45,350 --> 01:16:43,360

pilot school at

1575

01:16:48,470 --> 01:16:45,360

edwards air force base in california

1576

01:16:50,550 --> 01:16:48,480

graduating in class 89 b it was while

1577

01:16:52,870 --> 01:16:50,560

she was at edwards that she was selected

1578

01:16:55,990 --> 01:16:52,880

to be an astronaut candidate in nasa's

1579

01:16:56,790 --> 01:16:56,000

13th astronaut class in 1990.

1580

01:16:58,390 --> 01:16:56,800

now

1581

01:16:59,590 --> 01:16:58,400

as the 13th

1582

01:17:02,470 --> 01:16:59,600

selection

1583

01:17:03,990 --> 01:17:02,480

that class had their class patch with a

1584

01:17:06,229 --> 01:17:04,000

black cat on it because they thought it

1585

01:17:08,630 --> 01:17:06,239

was really cool you know

1586

01:17:13,350 --> 01:17:08,640

lucky 13. but in the astronaut office

1587

01:17:20,149 --> 01:17:14,550

and

1588

01:17:22,950 --> 01:17:20,159

on it but uh somehow after uh becoming a

1589

01:17:23,990 --> 01:17:22,960

hairball eileen uh quickly picked up the

1590

01:17:25,030 --> 01:17:24,000

call sign

1591

01:17:27,350 --> 01:17:25,040

mom

1592

01:17:29,750 --> 01:17:27,360

and and i'm told that was uh for the

1593

01:17:34,470 --> 01:17:29,760

comfort and care that she provided that

1594

01:17:39,270 --> 01:17:37,110

now i forgot to know eileen

1595

01:17:40,390 --> 01:17:39,280

after her selection we shared an office

1596

01:17:43,510 --> 01:17:40,400

together

1597

01:17:45,590 --> 01:17:43,520

and i got to admit

1598

01:17:46,470 --> 01:17:45,600

eileen might have a few good stories on

1599

01:17:50,390 --> 01:17:46,480

me

1600

01:17:55,189 --> 01:17:50,400

on her

1601

01:18:01,030 --> 01:17:57,270

what i remember about eileen is she was

1602

01:18:04,790 --> 01:18:01,040

one of the nicest most diligent studies

1603

01:18:07,030 --> 01:18:04,800

organized by the book hard-working did i

1604

01:18:09,669 --> 01:18:07,040

say nicest

1605

01:18:12,070 --> 01:18:09,679

dedicated astronauts i've ever known

1606

01:18:13,830 --> 01:18:12,080

as chief the astronaut office i had the

1607

01:18:15,830 --> 01:18:13,840

privilege of seeing eileen off on her

1608

01:18:17,669 --> 01:18:15,840

first flight piloting discovery on

1609

01:18:19,030 --> 01:18:17,679

sts-63

1610

01:18:20,630 --> 01:18:19,040

the first shuttle to rendezvous with the

1611

01:18:23,350 --> 01:18:20,640

mirror space station

1612

01:18:25,189 --> 01:18:23,360

and then in may of 1997

1613

01:18:27,110 --> 01:18:25,199

center back to mir again

1614

01:18:28,950 --> 01:18:27,120

this time as the pilot of atlantis on

1615

01:18:31,189 --> 01:18:28,960

sts-84 where they

1616

01:18:33,510 --> 01:18:31,199

actually docked with mir and transferred

1617

01:18:35,110 --> 01:18:33,520

over four tons of critical cargo to the

1618

01:18:37,510 --> 01:18:35,120

russian outpost

1619

01:18:39,590 --> 01:18:37,520

in july of 1999 colonel collins entered

1620

01:18:41,990 --> 01:18:39,600

the history books once again

1621

01:18:44,870 --> 01:18:42,000

this time as the first female commander

1622

01:18:48,070 --> 01:18:44,880

of a u.s spacecraft commanding colombia

1623

01:18:51,189 --> 01:18:48,080

on sts-93 where her crew deployed the

1624

01:18:53,510 --> 01:18:51,199

chandra x-ray telescope now chandra's

1625

01:18:57,110 --> 01:18:53,520

nasa's flagship x-ray telescope holding

1626

01:18:59,750 --> 01:18:57,120

a a key place in our great observatories

1627

01:19:01,590 --> 01:18:59,760

and i'm sure if if you corner dr stevie

1628

01:19:03,430 --> 01:19:01,600

holly here afterwards he'd love to tell

1629

01:19:06,070 --> 01:19:03,440

you about all the quasars

1630

01:19:08,870 --> 01:19:06,080

stars exploding in space space and black

1631

01:19:10,630 --> 01:19:08,880

holes that it looked for and i know

1632

01:19:12,550 --> 01:19:10,640

having him on her crew

1633

01:19:14,870 --> 01:19:12,560

eileen certainly

1634

01:19:17,830 --> 01:19:14,880

had her hands full

1635

01:19:20,390 --> 01:19:17,840

but dr steady does take credit for

1636

01:19:23,110 --> 01:19:20,400

shortening her commander flow on her

1637

01:19:25,910 --> 01:19:23,120

second flight because he was her his uh

1638

01:19:28,229 --> 01:19:25,920

her ms2 and on her second flight her ms2

1639

01:19:29,669 --> 01:19:28,239

was steve robinson and so steve takes

1640

01:19:30,950 --> 01:19:29,679

credit for making it easier for her

1641

01:19:32,550 --> 01:19:30,960

because on her second flight all she had

1642

01:19:35,350 --> 01:19:32,560

to turn around and do was say shut up

1643

01:19:39,830 --> 01:19:36,950

she'd already learned that from her

1644

01:19:44,390 --> 01:19:42,550

in july of 2005 eileen was called to

1645

01:19:46,390 --> 01:19:44,400

lead the way once again as the commander

1646

01:19:48,149 --> 01:19:46,400

of discovery on another critical space

1647

01:19:50,310 --> 01:19:48,159

mission america's return to flight

1648

01:19:51,910 --> 01:19:50,320

following the columbia accident it was

1649

01:19:53,910 --> 01:19:51,920

an extremely challenging flight with the

1650

01:19:56,070 --> 01:19:53,920

eyes of the nation upon it but eileen

1651
01:19:57,590 --> 01:19:56,080
was up to the task

1652
01:19:59,189 --> 01:19:57,600
her crew

1653
01:20:01,510 --> 01:19:59,199
brought much needed supplies to the

1654
01:20:03,910 --> 01:20:01,520
international space station and also

1655
01:20:06,390 --> 01:20:03,920
tested demonstrated and evaluated new

1656
01:20:08,149 --> 01:20:06,400
procedures for flight safety and shuttle

1657
01:20:10,229 --> 01:20:08,159
inspection and repair

1658
01:20:11,990 --> 01:20:10,239
techniques that enabled us to complete

1659
01:20:13,590 --> 01:20:12,000
the international space station and

1660
01:20:14,870 --> 01:20:13,600
safely fly out the remaining shuttle

1661
01:20:16,550 --> 01:20:14,880
missions

1662
01:20:19,110 --> 01:20:16,560
altogether eileen has accumulated over

1663
01:20:20,470 --> 01:20:19,120

872 hours in space making history at

1664

01:20:22,149 --> 01:20:20,480

every turn

1665

01:20:23,830 --> 01:20:22,159

she's been presented with awards

1666

01:20:25,990 --> 01:20:23,840

personal decorations and honorary

1667

01:20:28,470 --> 01:20:26,000

degrees too numerous to mention

1668

01:20:30,149 --> 01:20:28,480

but you wouldn't know it talking to her

1669

01:20:33,110 --> 01:20:30,159

she is one of the nicest most

1670

01:20:36,070 --> 01:20:33,120

mild-mannered modest people i know did i

1671

01:20:40,550 --> 01:20:38,950

she always puts others before herself

1672

01:20:41,990 --> 01:20:40,560

and gives the team credit for her

1673

01:20:44,550 --> 01:20:42,000

accomplishments

1674

01:20:47,669 --> 01:20:44,560

and as accomplished as she is

1675

01:20:50,070 --> 01:20:47,679

one of her greatest joys is her family

1676

01:20:52,709 --> 01:20:50,080

pat bridget and luke in the audience and

1677

01:20:55,350 --> 01:20:52,719

it's really great to see you guys again

1678

01:20:57,350 --> 01:20:55,360

her nickname mom says a lot about eileen

1679

01:20:58,470 --> 01:20:57,360

she's always thinking about others not

1680

01:21:00,470 --> 01:20:58,480

herself

1681

01:21:03,189 --> 01:21:00,480

but she's also extremely technically

1682

01:21:05,750 --> 01:21:03,199

excellent with a passion for nasa and

1683

01:21:07,750 --> 01:21:05,760

human space flight continuing to serve

1684

01:21:10,070 --> 01:21:07,760

after her retirement as a member of the

1685

01:21:11,350 --> 01:21:10,080

nasa advisory committee space operations

1686

01:21:12,709 --> 01:21:11,360

panel

1687

01:21:15,189 --> 01:21:12,719

fellow hall of fame astronaut jim

1688

01:21:17,750 --> 01:21:15,199

weatherby her first commander

1689

01:21:20,550 --> 01:21:17,760

graded her as the top spokesperson for

1690

01:21:22,149 --> 01:21:20,560

nasa and i agree

1691

01:21:24,950 --> 01:21:22,159

she is an outstanding role model for

1692

01:21:26,870 --> 01:21:24,960

young women with her quiet

1693

01:21:29,830 --> 01:21:26,880

effective contributions to missions of

1694

01:21:32,070 --> 01:21:29,840

national importance and her persistence

1695

01:21:34,149 --> 01:21:32,080

in reaching her goals in leading the way

1696

01:21:35,990 --> 01:21:34,159

for other young women to follow

1697

01:21:38,229 --> 01:21:36,000

her interview with oprah winfrey should

1698

01:21:41,510 --> 01:21:38,239

be mandatory viewing for anyone wanting

1699

01:21:43,830 --> 01:21:41,520

to convey self-assurance without egotism

1700

01:21:45,590 --> 01:21:43,840

an appreciation of opportunities with a

1701

01:21:48,790 --> 01:21:45,600

total understanding of the attendant

1702

01:21:51,350 --> 01:21:48,800

responsibilities that come with them

1703

01:21:52,709 --> 01:21:51,360

her astronaut classmate and my pilot on

1704

01:21:55,510 --> 01:21:52,719

my

1705

01:21:57,830 --> 01:21:55,520

first command jim halsell remarked that

1706

01:22:00,390 --> 01:21:57,840

the astronaut class of 1990 will always

1707

01:22:02,870 --> 01:22:00,400

be associated with the first female nasa

1708

01:22:05,750 --> 01:22:02,880

pilot astronaut eileen carried that

1709

01:22:08,629 --> 01:22:05,760

title with poise ability in the finest

1710

01:22:09,990 --> 01:22:08,639

example of servant leadership

1711

01:22:12,470 --> 01:22:10,000

i mean thank you so much for the

1712

01:22:14,229 --> 01:22:12,480

opportunity to uh to introduce you today

1713

01:22:16,790 --> 01:22:14,239

it really means a lot to me

1714

01:22:18,870 --> 01:22:16,800

uh i can think of no one more deserving

1715

01:22:19,750 --> 01:22:18,880

to be a member of the astronaut hall of

1716

01:22:21,590 --> 01:22:19,760

fame

1717

01:22:22,950 --> 01:22:21,600

so ladies and gentlemen it's with great

1718

01:22:25,590 --> 01:22:22,960

pleasure that i present to you an

1719

01:22:28,070 --> 01:22:25,600

american hero someone who has served her

1720

01:22:30,310 --> 01:22:28,080

country well and continues to do so is a

1721

01:22:32,070 --> 01:22:30,320

role model for young women everywhere a

1722

01:22:33,990 --> 01:22:32,080

veteran of four shuttle missions on

1723

01:22:36,550 --> 01:22:34,000

three different shuttles the first

1724

01:23:15,750 --> 01:22:36,560

female shuttle pilot first field male

1725

01:23:20,870 --> 01:23:17,590

that music that music's really getting

1726

01:23:23,910 --> 01:23:22,470

oh thank you bob i don't know if i can

1727

01:23:25,910 --> 01:23:23,920

live up to that

1728

01:23:27,270 --> 01:23:25,920

that was uh thank you so much for that

1729

01:23:29,910 --> 01:23:27,280

nice introduction

1730

01:23:32,229 --> 01:23:29,920

um i do want to say um

1731

01:23:34,550 --> 01:23:32,239

got a few minutes here to

1732

01:23:35,430 --> 01:23:34,560

share some words of wisdom

1733

01:23:37,669 --> 01:23:35,440

but

1734

01:23:38,629 --> 01:23:37,679

i am always nervous before i get up to

1735

01:23:41,830 --> 01:23:38,639

speak

1736

01:23:43,830 --> 01:23:41,840

and i was i am so much more calm going

1737

01:23:45,669 --> 01:23:43,840

out on the launch pad and

1738

01:23:47,990 --> 01:23:45,679

launching on

1739

01:23:49,430 --> 01:23:48,000

600 million pounds of controlled thrust

1740

01:23:50,950 --> 01:23:49,440

than i am getting up in front of a group

1741

01:23:53,189 --> 01:23:50,960

of people so

1742

01:23:54,629 --> 01:23:53,199

so bear with me i decided since i'm so

1743

01:23:56,709 --> 01:23:54,639

comfortable on the launch pad i'd write

1744

01:23:57,669 --> 01:23:56,719

a checklist for today so and it will

1745

01:23:59,990 --> 01:23:57,679

also

1746

01:24:01,990 --> 01:24:00,000

keep me on schedule so i don't go over

1747

01:24:04,149 --> 01:24:02,000

time but i want to begin by thanking

1748

01:24:06,629 --> 01:24:04,159

obviously the astronaut hall of fame and

1749

01:24:08,870 --> 01:24:06,639

the astronaut scholarship foundation

1750

01:24:10,149 --> 01:24:08,880

um lynn

1751

01:24:12,470 --> 01:24:10,159

for all the great work that you've done

1752

01:24:14,390 --> 01:24:12,480

over the years and i'm glad i had the

1753

01:24:17,669 --> 01:24:14,400

opportunity to work with you and all the

1754

01:24:19,830 --> 01:24:17,679

staff that put this great uh day

1755

01:24:21,110 --> 01:24:19,840

together thank you so much for

1756

01:24:22,709 --> 01:24:21,120

what you've done and what you'll

1757

01:24:24,310 --> 01:24:22,719

continue to do

1758

01:24:26,390 --> 01:24:24,320

and it's also very important that right

1759

01:24:28,709 --> 01:24:26,400

up front i think my family

1760

01:24:30,950 --> 01:24:28,719

and my husband pat youngs and my two

1761

01:24:33,110 --> 01:24:30,960

children bridget and luke

1762

01:24:36,629 --> 01:24:33,120

they have supported me through my

1763

01:24:37,750 --> 01:24:36,639

missions especially my last one

1764

01:24:39,350 --> 01:24:37,760

and

1765

01:24:40,870 --> 01:24:39,360

they're strong supporters of the space

1766

01:24:42,550 --> 01:24:40,880

program

1767

01:24:45,270 --> 01:24:42,560

and my mom and dad aren't with us

1768

01:24:46,470 --> 01:24:45,280

anymore but i thank them wherever you

1769

01:24:48,790 --> 01:24:46,480

are

1770

01:24:49,750 --> 01:24:48,800

never put limits on me as far as my

1771

01:24:51,590 --> 01:24:49,760

career

1772

01:24:53,830 --> 01:24:51,600

my dad wanted me to be an accountant

1773

01:24:56,310 --> 01:24:53,840

because he knew i was good with money

1774

01:24:57,110 --> 01:24:56,320

and he wanted me to do his taxes

1775

01:24:58,550 --> 01:24:57,120

but

1776

01:24:59,990 --> 01:24:58,560

when i told him i wanted to go in the

1777

01:25:03,110 --> 01:25:00,000

air force he said

1778

01:25:04,790 --> 01:25:03,120

you are not going in the air force

1779

01:25:06,470 --> 01:25:04,800

and he was he was in the navy back in

1780

01:25:08,310 --> 01:25:06,480

world war ii so

1781

01:25:09,830 --> 01:25:08,320

he must have some memories but he said

1782

01:25:12,950 --> 01:25:09,840

you are not going but then when i told

1783

01:25:14,629 --> 01:25:12,960

him there was a scholarship through rotc

1784

01:25:15,990 --> 01:25:14,639

he's oh

1785

01:25:17,430 --> 01:25:16,000

okay

1786

01:25:19,990 --> 01:25:17,440

well

1787

01:25:21,750 --> 01:25:20,000

but god bless my mom and dad they were

1788

01:25:22,950 --> 01:25:21,760

they were my heroes

1789

01:25:25,189 --> 01:25:22,960

and

1790

01:25:27,669 --> 01:25:25,199

bob cabana thank you so much for doing

1791

01:25:30,229 --> 01:25:27,679

the introduction today and i did want to

1792

01:25:31,910 --> 01:25:30,239

say a few words about bob

1793

01:25:33,830 --> 01:25:31,920

and yes he already mentioned we shared

1794

01:25:36,790 --> 01:25:33,840

an office in

1795

01:25:38,870 --> 01:25:36,800

1990 and 1991 he was training for his

1796

01:25:40,790 --> 01:25:38,880

first flight on sts

1797

01:25:42,870 --> 01:25:40,800

41 and i shared the office with his

1798

01:25:45,270 --> 01:25:42,880

commander dick richards

1799

01:25:47,430 --> 01:25:45,280

and bob and he said a lot of words of

1800

01:25:48,629 --> 01:25:47,440

wisdom to me when i was an astronaut

1801
01:25:50,149 --> 01:25:48,639
candidate

1802
01:25:51,510 --> 01:25:50,159
and of course i'm just absorbing all

1803
01:25:54,070 --> 01:25:51,520
this the first time you meet an

1804
01:25:55,910 --> 01:25:54,080
astronaut you remember what they said to

1805
01:25:57,189 --> 01:25:55,920
you like for the rest of your life

1806
01:25:57,830 --> 01:25:57,199
you'll remember what they said to you

1807
01:26:00,070 --> 01:25:57,840
and

1808
01:26:01,990 --> 01:26:00,080
one of the things that bob the the most

1809
01:26:03,830 --> 01:26:02,000
important words of wisdom that bob gave

1810
01:26:05,750 --> 01:26:03,840
me

1811
01:26:07,990 --> 01:26:05,760
drum roll was

1812
01:26:10,149 --> 01:26:08,000
why are you sitting behind your desk

1813
01:26:11,910 --> 01:26:10,159

reading engineering drawings

1814

01:26:13,830 --> 01:26:11,920

this is the most free time you are ever

1815

01:26:16,709 --> 01:26:13,840

going to have in your time in the go

1816

01:26:19,030 --> 01:26:16,719

home and play golf

1817

01:26:20,790 --> 01:26:19,040

do you remember that

1818

01:26:22,790 --> 01:26:20,800

and i still remember him telling me that

1819

01:26:25,590 --> 01:26:22,800

i didn't feel guilty anymore

1820

01:26:28,470 --> 01:26:25,600

but bob and i shared a church in back in

1821

01:26:30,310 --> 01:26:28,480

houston and he was my boss for many

1822

01:26:32,950 --> 01:26:30,320

years as chief of the astronaut office

1823

01:26:34,390 --> 01:26:32,960

and a great role model and friend so

1824

01:26:36,950 --> 01:26:34,400

thanks again bob

1825

01:26:38,790 --> 01:26:36,960

i also want to congratulate bonnie and

1826

01:26:40,950 --> 01:26:38,800

kurt i'm so glad that i was able to

1827

01:26:42,470 --> 01:26:40,960

share this experience with you and i

1828

01:26:43,430 --> 01:26:42,480

just want to say a few words about each

1829

01:26:45,910 --> 01:26:43,440

of them

1830

01:26:48,470 --> 01:26:45,920

um i met bonnie actually you were the

1831

01:26:51,910 --> 01:26:48,480

first woman astronaut that i met outside

1832

01:26:54,950 --> 01:26:51,920

of the interview and it was probably in

1833

01:26:56,709 --> 01:26:54,960

fact it was my first or second day

1834

01:26:59,430 --> 01:26:56,719

after i was accepted into the astronaut

1835

01:27:01,189 --> 01:26:59,440

office and bonnie welcomed me i remember

1836

01:27:02,149 --> 01:27:01,199

where i was standing in building four

1837

01:27:04,149 --> 01:27:02,159

north

1838

01:27:06,070 --> 01:27:04,159

i remember the door i was at and i

1839

01:27:09,189 --> 01:27:06,080

remember the things that bonnie said to

1840

01:27:11,270 --> 01:27:09,199

me she was um so welcoming to me

1841

01:27:12,470 --> 01:27:11,280

sharing advice and again

1842

01:27:14,310 --> 01:27:12,480

as

1843

01:27:16,830 --> 01:27:14,320

really all the other women mission

1844

01:27:19,750 --> 01:27:16,840

specialists they were my role models and

1845

01:27:23,510 --> 01:27:19,760

they bonnie you and the other women have

1846

01:27:25,750 --> 01:27:23,520

made my job as the first woman pilot

1847

01:27:27,270 --> 01:27:25,760

so much easier i mean i just fit right

1848

01:27:29,669 --> 01:27:27,280

in the culture because they had done

1849

01:27:31,270 --> 01:27:29,679

such a good job leading up to that point

1850

01:27:33,030 --> 01:27:31,280

women were very well accepted in the

1851

01:27:35,430 --> 01:27:33,040

astronaut office

1852

01:27:37,590 --> 01:27:35,440

also i worked with bonnie on sts 50 i

1853

01:27:39,430 --> 01:27:37,600

was a member of the closeout crew and i

1854

01:27:40,790 --> 01:27:39,440

strapped her in on that mission before

1855

01:27:41,669 --> 01:27:40,800

the launch

1856

01:27:43,510 --> 01:27:41,679

and

1857

01:27:45,990 --> 01:27:43,520

i observed she always set very high

1858

01:27:47,590 --> 01:27:46,000

standards and always

1859

01:27:50,470 --> 01:27:47,600

it was so important to her to achieve

1860

01:27:52,310 --> 01:27:50,480

excellence in everything she has done so

1861

01:27:53,910 --> 01:27:52,320

congratulations bonnie i'm so happy that

1862

01:27:55,510 --> 01:27:53,920

you were inducted

1863

01:27:57,590 --> 01:27:55,520

and i had the opportunity to spend this

1864

01:28:00,390 --> 01:27:57,600

time with you

1865

01:28:02,149 --> 01:28:00,400

for curt i had i could actually talk for

1866

01:28:04,070 --> 01:28:02,159

like 20 minutes about the things that

1867

01:28:06,310 --> 01:28:04,080

i've done with curt because we worked

1868

01:28:08,310 --> 01:28:06,320

together in so many different jobs

1869

01:28:09,830 --> 01:28:08,320

we were

1870

01:28:11,590 --> 01:28:09,840

basically from

1871

01:28:13,430 --> 01:28:11,600

the time as an astronaut candidate i was

1872

01:28:16,070 --> 01:28:13,440

in the class right after him

1873

01:28:18,149 --> 01:28:16,080

up until he retired but my first memory

1874

01:28:20,950 --> 01:28:18,159

of kurt was when we were

1875

01:28:24,070 --> 01:28:20,960

um taking this myers-briggs personality

1876

01:28:29,750 --> 01:28:24,080

test i y'all so y'all know what that is

1877

01:28:33,430 --> 01:28:31,669

so i'm not going to say what we are i'm

1878

01:28:35,510 --> 01:28:33,440

not but i will tell you we are the same

1879

01:28:37,669 --> 01:28:35,520

personality type

1880

01:28:39,510 --> 01:28:37,679

we're exactly the same uh personality

1881

01:28:42,629 --> 01:28:39,520

and and we were told that this is the

1882

01:28:44,470 --> 01:28:42,639

personality type of military test pilots

1883

01:28:46,229 --> 01:28:44,480

so i knew right from the start so kurt

1884

01:28:47,990 --> 01:28:46,239

and i have a lot in common and then kurt

1885

01:28:50,709 --> 01:28:48,000

trained me as a capcom

1886

01:28:52,229 --> 01:28:50,719

and being a capcom is the astronaut that

1887

01:28:54,629 --> 01:28:52,239

works in mission control it talks to the

1888

01:28:56,870 --> 01:28:54,639

crew as they launch um for the pilots as

1889

01:28:59,669 --> 01:28:56,880

you launch and as you re-enter it is a

1890

01:29:01,430 --> 01:28:59,679

very demanding job it requires very top

1891

01:29:03,669 --> 01:29:01,440

knowledge and shuttle systems shuttle

1892

01:29:06,390 --> 01:29:03,679

operations abort procedures you need to

1893

01:29:08,870 --> 01:29:06,400

be a quick thinker and kurt was one of

1894

01:29:11,510 --> 01:29:08,880

the best and he trained me and i'm glad

1895

01:29:13,189 --> 01:29:11,520

to i'm i needed to be trained by one of

1896

01:29:16,470 --> 01:29:13,199

the best and i thank him for the time

1897

01:29:18,709 --> 01:29:16,480

that he spent with me doing that

1898

01:29:20,790 --> 01:29:18,719

we also had some fun and kurt has a

1899

01:29:22,950 --> 01:29:20,800

great uh sense of humor he's a great

1900

01:29:24,629 --> 01:29:22,960

practical joker so i'm going to tell you

1901
01:29:27,189 --> 01:29:24,639
about one practical joke that he played

1902
01:29:28,950 --> 01:29:27,199
on me or at least i thought so

1903
01:29:31,110 --> 01:29:28,960
there's this thing that we do called

1904
01:29:32,950 --> 01:29:31,120
dance off the tank and do you remember

1905
01:29:34,950 --> 01:29:32,960
that it's um

1906
01:29:36,470 --> 01:29:34,960
on aborts

1907
01:29:37,990 --> 01:29:36,480
you have to come back you're kind of low

1908
01:29:39,110 --> 01:29:38,000
in the atmosphere so when you separate

1909
01:29:41,430 --> 01:29:39,120
from the tank you have to be very

1910
01:29:43,030 --> 01:29:41,440
careful that you don't hit the tank

1911
01:29:44,950 --> 01:29:43,040
after you separate so you have to do

1912
01:29:46,950 --> 01:29:44,960
this maneuver and actually it applies

1913
01:29:49,430 --> 01:29:46,960

after main engine cut off phenomenal

1914

01:29:51,430 --> 01:29:49,440

launches when you have to pitch around

1915

01:29:53,669 --> 01:29:51,440

and get a picture of the external tank

1916

01:29:55,990 --> 01:29:53,679

so there's some tricky piloting

1917

01:29:58,629 --> 01:29:56,000

techniques that are needed after

1918

01:30:00,709 --> 01:29:58,639

main engine cut off and it involves like

1919

01:30:02,470 --> 01:30:00,719

pushing in on the thc which is the

1920

01:30:04,470 --> 01:30:02,480

thrust hand control a couple seconds up

1921

01:30:05,990 --> 01:30:04,480

a couple seconds down like one there

1922

01:30:07,590 --> 01:30:06,000

were like seven different steps and you

1923

01:30:10,070 --> 01:30:07,600

had to memorize it because you you

1924

01:30:11,189 --> 01:30:10,080

didn't have time to read the checklist

1925

01:30:13,510 --> 01:30:11,199

so

1926

01:30:15,189 --> 01:30:13,520

i got in the sim one day in the left

1927

01:30:16,950 --> 01:30:15,199

seat

1928

01:30:19,590 --> 01:30:16,960

and sometimes you'll see a little

1929

01:30:21,350 --> 01:30:19,600

post-it note there

1930

01:30:23,110 --> 01:30:21,360

because not every pilot could memorize

1931

01:30:24,390 --> 01:30:23,120

it all and need to kind of laugh at oh

1932

01:30:26,470 --> 01:30:24,400

who needed that post to know you mean

1933

01:30:28,149 --> 01:30:26,480

you couldn't memorize the procedure

1934

01:30:30,390 --> 01:30:28,159

well i got in there one day and there

1935

01:30:32,550 --> 01:30:30,400

wasn't a po there was two post-it notes

1936

01:30:36,790 --> 01:30:32,560

and the one on the top of the thc had

1937

01:30:40,070 --> 01:30:38,149

remember this

1938

01:30:41,830 --> 01:30:40,080

and that and then there was a

1939

01:30:44,229 --> 01:30:41,840

post-it note on the bottom with arrow

1940

01:30:46,070 --> 01:30:44,239

pointing down it sat down

1941

01:30:48,390 --> 01:30:46,080

so

1942

01:30:50,229 --> 01:30:48,400

and i called the instructor and i said

1943

01:30:51,990 --> 01:30:50,239

okay who put this who put these posters

1944

01:30:53,830 --> 01:30:52,000

notes up here to you know plain a joke

1945

01:30:55,430 --> 01:30:53,840

on me and they go oh

1946

01:30:56,709 --> 01:30:55,440

that was kurt brown

1947

01:30:58,629 --> 01:30:56,719

and i said

1948

01:31:00,550 --> 01:30:58,639

oh there he goes playing more jokes on

1949

01:31:01,510 --> 01:31:00,560

me trying to make me feel stupid

1950

01:31:03,189 --> 01:31:01,520

and

1951

01:31:07,110 --> 01:31:03,199

they go no that wasn't for you that was

1952

01:31:14,229 --> 01:31:08,629

so

1953

01:31:18,070 --> 01:31:15,990

do you remember that kurt yeah he

1954

01:31:19,590 --> 01:31:18,080

probably doesn't he has played so many

1955

01:31:21,510 --> 01:31:19,600

jokes on people that i'm sure he doesn't

1956

01:31:22,790 --> 01:31:21,520

even remember that one

1957

01:31:24,390 --> 01:31:22,800

that was said

1958

01:31:26,229 --> 01:31:24,400

but but you know really it was good

1959

01:31:27,910 --> 01:31:26,239

clean fun and you know kurt had very

1960

01:31:30,629 --> 01:31:27,920

very high standards so a lot of the

1961

01:31:32,390 --> 01:31:30,639

mission specialists the young young

1962

01:31:34,629 --> 01:31:32,400

mission specialists were afraid to fly

1963

01:31:36,390 --> 01:31:34,639

with him because he was so demanding and

1964

01:31:37,910 --> 01:31:36,400

one time stan love came up to me and

1965

01:31:39,750 --> 01:31:37,920

told me that

1966

01:31:41,030 --> 01:31:39,760

he was walking out to fly with curt and

1967

01:31:43,030 --> 01:31:41,040

curt looked him right in the eye and

1968

01:31:44,870 --> 01:31:43,040

said

1969

01:31:47,430 --> 01:31:44,880

you can't fly with me until you recite

1970

01:31:48,870 --> 01:31:47,440

the bold face for engine fire in flight

1971

01:31:49,590 --> 01:31:48,880

word for word

1972

01:31:51,270 --> 01:31:49,600

so

1973

01:31:54,629 --> 01:31:51,280

kurt was very

1974

01:31:56,390 --> 01:31:54,639

that those mission specialists stayed up

1975

01:31:58,149 --> 01:31:56,400

to speed and that they were

1976

01:31:59,669 --> 01:31:58,159

ready to support him the new guys the

1977

01:32:00,950 --> 01:31:59,679

guys the ass cans that were new in the

1978

01:32:01,830 --> 01:32:00,960

program

1979

01:32:03,270 --> 01:32:01,840

so

1980

01:32:05,110 --> 01:32:03,280

um

1981

01:32:07,030 --> 01:32:05,120

kurt and bonnie i i mean both of you set

1982

01:32:08,709 --> 01:32:07,040

very high standards and excellence in

1983

01:32:10,550 --> 01:32:08,719

everything you did and i'm so glad that

1984

01:32:13,669 --> 01:32:10,560

i was able to work with you and get to

1985

01:32:15,669 --> 01:32:13,679

know you and be here today with you

1986

01:32:17,590 --> 01:32:15,679

i do want to say a couple of more

1987

01:32:18,790 --> 01:32:17,600

serious things that i think are very

1988

01:32:20,149 --> 01:32:18,800

important that we always need to

1989

01:32:23,830 --> 01:32:20,159

remember

1990

01:32:25,669 --> 01:32:23,840

challenger crews and the columbia crews

1991

01:32:27,030 --> 01:32:25,679

and it's hard for us to remember that i

1992

01:32:29,430 --> 01:32:27,040

mean it's hard for us to lose our

1993

01:32:30,950 --> 01:32:29,440

friends to lose an orbiter

1994

01:32:33,990 --> 01:32:30,960

we know they gave their

1995

01:32:36,149 --> 01:32:34,000

lives in the name of space exploration

1996

01:32:37,750 --> 01:32:36,159

and in their memory we need to re we

1997

01:32:39,590 --> 01:32:37,760

need to remember the lessons learned

1998

01:32:41,110 --> 01:32:39,600

from those accidents and sometimes it's

1999

01:32:43,030 --> 01:32:41,120

hard for us to go back and remember

2000

01:32:44,870 --> 01:32:43,040

those but now that we're done flying the

2001

01:32:47,830 --> 01:32:44,880

shuttle and we're moving on to new

2002

01:32:49,910 --> 01:32:47,840

programs those lessons still apply

2003

01:32:52,310 --> 01:32:49,920

so i think it's important important that

2004

01:32:55,669 --> 01:32:52,320

we remember their crews and remember

2005

01:32:57,669 --> 01:32:55,679

how we can stay humble

2006

01:32:59,750 --> 01:32:57,679

be good listeners always think

2007

01:33:01,910 --> 01:32:59,760

creatively in everything that we do and

2008

01:33:03,350 --> 01:33:01,920

our day-to-day thinking as well as the

2009

01:33:04,950 --> 01:33:03,360

innovation that we're always tasked to

2010

01:33:07,350 --> 01:33:04,960

do at nasa

2011

01:33:09,510 --> 01:33:07,360

and to remember to stay humble thinkers

2012

01:33:11,669 --> 01:33:09,520

and to respect the hardware

2013

01:33:13,669 --> 01:33:11,679

atlantis is going on display here at the

2014

01:33:16,950 --> 01:33:13,679

kennedy space center

2015

01:33:20,950 --> 01:33:18,070

so

2016

01:33:24,790 --> 01:33:22,870

inspirational to the people that come

2017

01:33:26,950 --> 01:33:24,800

here to see atlantis and i hope that you

2018

01:33:28,950 --> 01:33:26,960

spread the word and get your friends uh

2019

01:33:30,950 --> 01:33:28,960

to come down and visit

2020

01:33:32,950 --> 01:33:30,960

it will remind us of the great successes

2021

01:33:34,149 --> 01:33:32,960

of the shuttle program beginning with

2022

01:33:38,070 --> 01:33:34,159

the

2023

01:33:40,390 --> 01:33:38,080

retrievals

2024

01:33:42,470 --> 01:33:40,400

the space lab the space have missions

2025

01:33:44,950 --> 01:33:42,480

the hubble missions

2026
01:33:47,189 --> 01:33:44,960
the mir program we established a very

2027
01:33:48,550 --> 01:33:47,199
good relationship with our former cold

2028
01:33:50,790 --> 01:33:48,560
war enemies

2029
01:33:53,750 --> 01:33:50,800
in the mir program

2030
01:33:56,950 --> 01:33:53,760
and also with our international partners

2031
01:33:59,030 --> 01:33:56,960
we built the space station serviced it

2032
01:34:01,750 --> 01:33:59,040
we learned what to do right in the

2033
01:34:03,030 --> 01:34:01,760
design of a spacecraft and operations

2034
01:34:05,350 --> 01:34:03,040
and we learned

2035
01:34:07,030 --> 01:34:05,360
what we did wrong and what we

2036
01:34:08,870 --> 01:34:07,040
as we press forward

2037
01:34:10,950 --> 01:34:08,880
improve that into better designs as we

2038
01:34:12,390 --> 01:34:10,960

build the next generation

2039

01:34:14,550 --> 01:34:12,400

and also the number of people that flew

2040

01:34:17,030 --> 01:34:14,560

on the shuttle the more people that fly

2041

01:34:19,030 --> 01:34:17,040

the more work we can get out on

2042

01:34:23,030 --> 01:34:19,040

the space program and why it's important

2043

01:34:27,270 --> 01:34:25,430

so why am i here today

2044

01:34:29,910 --> 01:34:27,280

it's really all about opportunities the

2045

01:34:31,350 --> 01:34:29,920

opportunity that i had in the military

2046

01:34:34,229 --> 01:34:31,360

and the opportunity that was presented

2047

01:34:36,070 --> 01:34:34,239

to me to become an astronaut

2048

01:34:38,229 --> 01:34:36,080

we live in such a great country with

2049

01:34:40,310 --> 01:34:38,239

such great opportunities a person can go

2050

01:34:41,990 --> 01:34:40,320

from living in poverty here in this

2051
01:34:44,629 --> 01:34:42,000
country

2052
01:34:47,830 --> 01:34:44,639
and go on to any aspiration be a ceo of

2053
01:34:50,229 --> 01:34:47,840
a company be a pilot an astronaut be the

2054
01:34:52,149 --> 01:34:50,239
president of the united states

2055
01:34:53,669 --> 01:34:52,159
and other countries don't always offer

2056
01:34:55,430 --> 01:34:53,679
that opportunity and sometimes i think

2057
01:34:57,590 --> 01:34:55,440
we take it for granted here

2058
01:34:59,350 --> 01:34:57,600
we can choose to go to college

2059
01:35:01,510 --> 01:34:59,360
we can choose the degree that we want in

2060
01:35:03,270 --> 01:35:01,520
college i like to talk to young people

2061
01:35:05,910 --> 01:35:03,280
about stem

2062
01:35:07,590 --> 01:35:05,920
and we've heard about that earlier today

2063
01:35:09,910 --> 01:35:07,600

but i like to tell young people if i was

2064

01:35:12,629 --> 01:35:09,920

going to college today and i wanted to

2065

01:35:14,950 --> 01:35:12,639

be an astronaut i would probably choose

2066

01:35:16,470 --> 01:35:14,960

a degree like geology because i know

2067

01:35:18,149 --> 01:35:16,480

that we're going to be going to the

2068

01:35:21,030 --> 01:35:18,159

asteroids

2069

01:35:24,790 --> 01:35:21,040

back to the moon someday on to mars

2070

01:35:26,950 --> 01:35:24,800

all of these opportunities are out there

2071

01:35:28,550 --> 01:35:26,960

any science any engineering will qualify

2072

01:35:30,950 --> 01:35:28,560

you to be an astronaut but the country

2073

01:35:33,750 --> 01:35:30,960

also needs degrees like computer

2074

01:35:35,030 --> 01:35:33,760

engineering and accounting there's many

2075

01:35:36,310 --> 01:35:35,040

areas where

2076
01:35:38,550 --> 01:35:36,320
although we have unemployment in this

2077
01:35:40,310 --> 01:35:38,560
country very high in employment

2078
01:35:42,149 --> 01:35:40,320
there are jobs that go unfulfilled

2079
01:35:43,910 --> 01:35:42,159
because they are technical jobs and we

2080
01:35:45,590 --> 01:35:43,920
don't have people with the right skills

2081
01:35:47,669 --> 01:35:45,600
and that's really a shame so i think we

2082
01:35:51,830 --> 01:35:47,679
can steer our young people towards

2083
01:35:57,750 --> 01:35:53,990
but regardless of what career that you

2084
01:36:00,550 --> 01:35:57,760
choose is a young person pick a place

2085
01:36:03,109 --> 01:36:00,560
a job career field that you know is

2086
01:36:04,070 --> 01:36:03,119
needed you will be needed you will be

2087
01:36:05,910 --> 01:36:04,080
wanted

2088
01:36:07,990 --> 01:36:05,920

and that in the long run will not only

2089

01:36:09,750 --> 01:36:08,000

help the country but it will make you it

2090

01:36:11,109 --> 01:36:09,760

will make you happy in the

2091

01:36:13,270 --> 01:36:11,119

in the career that you have and the

2092

01:36:14,870 --> 01:36:13,280

space program obviously offers a great

2093

01:36:17,030 --> 01:36:14,880

opportunity there

2094

01:36:19,030 --> 01:36:17,040

but if you be if you are an expert in

2095

01:36:22,870 --> 01:36:19,040

something your company will know you and

2096

01:36:26,950 --> 01:36:24,310

and you can be a part of an exciting

2097

01:36:28,470 --> 01:36:26,960

mission like the space program and and

2098

01:36:29,990 --> 01:36:28,480

as charlie bolton had mentioned going

2099

01:36:32,310 --> 01:36:30,000

back to the asteroids and going on to

2100

01:36:33,590 --> 01:36:32,320

mars someday is very inspirational to

2101
01:36:35,669 --> 01:36:33,600
our young people

2102
01:36:38,310 --> 01:36:35,679
and it is such a great feeling

2103
01:36:40,070 --> 01:36:38,320
to stand there and watch a rocket launch

2104
01:36:43,750 --> 01:36:40,080
and know that you were part of making

2105
01:36:48,629 --> 01:36:46,550
so what am i thankful for

2106
01:36:51,030 --> 01:36:48,639
faith

2107
01:36:53,669 --> 01:36:51,040
family

2108
01:36:57,030 --> 01:36:53,679
health

2109
01:37:01,669 --> 01:36:58,950
mission

2110
01:37:03,350 --> 01:37:01,679
curiosity

2111
01:37:05,270 --> 01:37:03,360
exploration

2112
01:37:19,350 --> 01:37:05,280
and passion

2113
01:37:23,350 --> 01:37:21,510

congratulations eileen collins and

2114

01:37:25,350 --> 01:37:23,360

welcome to the united states astronaut

2115

01:37:28,310 --> 01:37:25,360

hall of fame

2116

01:37:30,310 --> 01:37:28,320

the 2013 inductees were selected by a

2117

01:37:32,629 --> 01:37:30,320

committee of current hall of fame

2118

01:37:35,669 --> 01:37:32,639

astronauts former nasa officials

2119

01:37:37,669 --> 01:37:35,679

historians and journalists the process

2120

01:37:40,470 --> 01:37:37,679

is administered by the astronaut

2121

01:37:42,550 --> 01:37:40,480

scholarship foundation to be eligible an

2122

01:37:46,070 --> 01:37:42,560

astronaut must have made his or her

2123

01:37:47,669 --> 01:37:46,080

first flight at least 17 years before

2124

01:37:50,390 --> 01:37:47,679

the induction year

2125

01:37:52,550 --> 01:37:50,400

and must be retired at least five years

2126

01:37:54,709 --> 01:37:52,560

from the nasa astronaut corps

2127

01:37:57,109 --> 01:37:54,719

candidates must be a u.s citizen nasa

2128

01:37:58,229 --> 01:37:57,119

trained commander pilot or mission

2129

01:38:00,470 --> 01:37:58,239

specialist

2130

01:38:03,350 --> 01:38:00,480

and must have orbited the earth at least

2131

01:38:05,189 --> 01:38:03,360

once and made significant contributions

2132

01:38:06,709 --> 01:38:05,199

to the study of space

2133

01:38:08,310 --> 01:38:06,719

ladies and gentlemen i am proud to

2134

01:38:11,750 --> 01:38:08,320

present to you the united states

2135

01:38:14,550 --> 01:38:11,760

astronaut hall of fame class of 2013.

2136

01:38:54,149 --> 01:38:14,560

bonnie dunbar kurt brown and i'm eileen

2137

01:38:57,430 --> 01:38:55,750

it's been my pleasure to be with you

2138

01:38:59,910 --> 01:38:57,440

today on behalf of the kennedy space

2139

01:39:01,750 --> 01:38:59,920

center visitor complex and the astronaut

2140

01:39:04,629 --> 01:39:01,760

scholarship foundation thank you for

2141

01:39:06,629 --> 01:39:04,639

joining us for this historic ceremony

2142

01:39:08,790 --> 01:39:06,639

and as they're taking these pictures uh

2143

01:39:11,430 --> 01:39:08,800

remind you that we hope you'll all come

2144

01:39:13,669 --> 01:39:11,440

back when shuttle atlantis is unveiled

2145

01:39:16,390 --> 01:39:13,679

it's going to be a spectacular

2146

01:39:18,470 --> 01:39:16,400

spectacular sight please remain standing

2147

01:39:21,030 --> 01:39:18,480

as the hall of fame astronauts make

2148

01:39:33,590 --> 01:39:21,040

their exit down the red carpet as after

2149

01:39:59,350 --> 01:39:35,350

kurt brown will have the boarding passes