

BRANTON



1
00:00:15,890 --> 00:00:13,910
thank you for joining us for the u.s.

2
00:00:18,230 --> 00:00:15,900
astronaut Hall of Fame induction

3
00:00:19,099 --> 00:00:18,240
ceremony honoring our nation's space

4
00:00:21,590 --> 00:00:19,109
heroes

5
00:00:24,529 --> 00:00:21,600
please rise for the presentation of

6
00:00:26,509 --> 00:00:24,539
colors by Boy Scout Troop 369 from

7
00:00:29,179 --> 00:00:26,519
Merritt Island Florida followed by our

8
00:01:03,720 --> 00:00:29,189
national anthem performed by Jennifer

9
00:01:16,290 --> 00:01:11,149
oh can you see by the dawn's early light

10
00:01:20,790 --> 00:01:16,300
what so proudly we hailed at the

11
00:01:24,810 --> 00:01:20,800
twilight's last gleaming whose broad

12
00:01:32,100 --> 00:01:24,820
stripes and bright stars through the

13
00:01:38,010 --> 00:01:32,110

perilous fight or the ramparts we

14

00:01:44,450 --> 00:01:38,020

watched were so gallantly streaming and

15

00:01:51,630 --> 00:01:44,460

the Rockets red glare the bombs bursting

16

00:01:57,749 --> 00:01:51,640

in air gave proof through the night that

17

00:02:04,860 --> 00:01:57,759

our flag was still there oh say does

18

00:02:14,520 --> 00:02:04,870

that star-spangled banner yet wave

19

00:02:59,970 --> 00:02:14,530

babe or the land of the free and the

20

00:03:05,580 --> 00:03:03,150

ladies and gentlemen please welcome the

21

00:03:16,970 --> 00:03:05,590

chief operating officer of Kennedy Space

22

00:03:22,679 --> 00:03:20,399

please take your seat thank you welcome

23

00:03:24,690 --> 00:03:22,689

today Thank You Jennifer for a

24

00:03:27,989 --> 00:03:24,700

absolutely wonderful rendition of our

25

00:03:29,759 --> 00:03:27,999

National Anthem on behalf of all of our

26
00:03:31,559 --> 00:03:29,769
Delaware north company employees around

27
00:03:33,119 --> 00:03:31,569
the world but especially those crew

28
00:03:35,190 --> 00:03:33,129
members here at the Kennedy Space Center

29
00:03:37,709 --> 00:03:35,200
Visitor Complex I would like to welcome

30
00:03:40,709 --> 00:03:37,719
you to today's induction ceremony

31
00:03:42,390 --> 00:03:40,719
celebrating the 9th class of space

32
00:03:45,869 --> 00:03:42,400
shuttle astronauts into the u.s.

33
00:03:47,119 --> 00:03:45,879
astronaut Hall of Fame thank you all for

34
00:03:49,619 --> 00:03:47,129
joining us in this wonderful afternoon

35
00:03:52,199 --> 00:03:49,629
it is a privilege for us to host this

36
00:03:53,970 --> 00:03:52,209
induction ceremony and to be part of

37
00:03:56,970 --> 00:03:53,980
this momentous occasion that honors

38
00:03:58,979 --> 00:03:56,980

leaders and spaceflight community who

39

00:04:02,490 --> 00:03:58,989

are both deserving of our recognition

40

00:04:05,399 --> 00:04:02,500

and our respect there is no better place

41

00:04:07,199 --> 00:04:05,409

on earth to host the celebration than

42

00:04:11,069 --> 00:04:07,209

right here at the Kennedy Space Center

43

00:04:13,199 --> 00:04:11,079

the epic center of Space Flight a truly

44

00:04:15,319 --> 00:04:13,209

special place where you can witness

45

00:04:18,150 --> 00:04:15,329

history being made

46

00:04:21,330 --> 00:04:18,160

three weeks ago space shuttle Atlantis

47

00:04:23,279 --> 00:04:21,340

lifted off pad 39a on her last scheduled

48

00:04:26,010 --> 00:04:23,289

flight to the International Space

49

00:04:29,129 --> 00:04:26,020

Station in return last week after a

50

00:04:31,170 --> 00:04:29,139

successful 12-day mission from launch

51
00:04:33,839 --> 00:04:31,180
pads a few miles away men were launched

52
00:04:35,790 --> 00:04:33,849
to the moon robot explorers were spent

53
00:04:39,180 --> 00:04:35,800
to deep space missions to explore the

54
00:04:40,950 --> 00:04:39,190
planets of our solar system where each

55
00:04:43,230 --> 00:04:40,960
one of the legends will stand the stage

56
00:04:45,950 --> 00:04:43,240
today representing American manned

57
00:04:50,610 --> 00:04:45,960
spaceflight program from Mercury Gemini

58
00:04:53,310 --> 00:04:50,620
Apollo to today's space shuttle began

59
00:04:54,779 --> 00:04:53,320
their legendary journeys I'd like to

60
00:04:57,899 --> 00:04:54,789
take just a moment to acknowledge a few

61
00:05:00,959 --> 00:04:57,909
people with us today NASA Administrator

62
00:05:03,510 --> 00:05:00,969
Charles Bolden and Kennedy Space Center

63
00:05:05,430 --> 00:05:03,520

Director Robert Cabana who'll be joining

64

00:05:07,649 --> 00:05:05,440

us shortly for the hall of fame

65

00:05:09,260 --> 00:05:07,659

astronauts as well as my own fellow

66

00:05:11,249 --> 00:05:09,270

colleague from Delaware North

67

00:05:13,980 --> 00:05:11,259

vice-president of planning and education

68

00:05:14,670 --> 00:05:13,990

astronaut John McBride thank you for

69

00:05:17,459 --> 00:05:14,680

being with us today

70

00:05:19,649 --> 00:05:17,469

I would also like to take a moment to

71

00:05:22,080 --> 00:05:19,659

recognize the significant contributions

72

00:05:24,390 --> 00:05:22,090

to today's ceremony by the astronaut

73

00:05:26,700 --> 00:05:24,400

Scholarship Foundation their board of

74

00:05:29,340 --> 00:05:26,710

directors led by Hall of Fame astronaut

75

00:05:39,720 --> 00:05:29,350

al Worden an executive director of

76

00:05:41,580 --> 00:05:39,730

thank you both and now we'd like to

77

00:05:44,490 --> 00:05:41,590

welcome to the stage today's master of

78

00:05:46,020 --> 00:05:44,500

ceremonies throughout his career he has

79

00:05:48,510 --> 00:05:46,030

turned an outstanding eclectic

80

00:05:51,240 --> 00:05:48,520

performances in film television and

81

00:05:53,100 --> 00:05:51,250

stage he initially gained attention in

82

00:05:56,090 --> 00:05:53,110

1984 on the big screen

83

00:05:58,710 --> 00:05:56,100

opposite Demi Moore and no small affair

84

00:06:00,660 --> 00:05:58,720

followed by his iconic performance in an

85

00:06:04,680 --> 00:06:00,670

enduring misfit in John Hughes popular

86

00:06:06,210 --> 00:06:04,690

86 film pretty and pink on stage he has

87

00:06:08,220 --> 00:06:06,220

starred in various production including

88

00:06:10,860 --> 00:06:08,230

Broadway Neil Simon's Brighton Beach

89

00:06:13,080 --> 00:06:10,870

memoirs but his talent is not limited to

90

00:06:17,130 --> 00:06:13,090

dis acting he's also a gifted filmmaker

91

00:06:19,500 --> 00:06:17,140

as well he co-wrote produced starred and

92

00:06:21,540 --> 00:06:19,510

two well-known independent films with

93

00:06:23,910 --> 00:06:21,550

director Richard Shankman who was also

94

00:06:26,760 --> 00:06:23,920

here in the audience today he recently

95

00:06:29,250 --> 00:06:26,770

won an Emmy Award for his work with Alan

96

00:06:31,200 --> 00:06:29,260

Harper in the CBS number one comedy Two

97

00:06:33,000 --> 00:06:31,210

and a Half Men ladies and gentlemen

98

00:06:47,159 --> 00:06:33,010

please join me and welcome to stage mr.

99

00:06:54,430 --> 00:06:52,119

Thank You mr. Moore thank you wow that

100

00:06:56,860 --> 00:06:54,440

is good afternoon ladies and gentlemen

101
00:06:59,140 --> 00:06:56,870
that that will probably be the first and

102
00:07:03,159 --> 00:06:59,150
last time that I am ever introduced to

103
00:07:05,649 --> 00:07:03,169
the theme of the right stuff it's it's

104
00:07:08,409 --> 00:07:05,659
exciting when it happens I am thrilled

105
00:07:11,290 --> 00:07:08,419
to be here today it is truly an honor to

106
00:07:13,180 --> 00:07:11,300
be surrounded by by so many important

107
00:07:16,330 --> 00:07:13,190
people you know in titans of industry

108
00:07:22,420 --> 00:07:16,340
and powerful politicians and genuine

109
00:07:26,680 --> 00:07:22,430
heroes of space exploration and and me a

110
00:07:29,790 --> 00:07:26,690
guy on a TV show like many people you're

111
00:07:33,879 --> 00:07:29,800
probably wondering what I'm doing here

112
00:07:36,490 --> 00:07:33,889
I'm hosting this event I am an actor yes

113
00:07:39,010 --> 00:07:36,500

but but unlike legendary performers such

114

00:07:42,189 --> 00:07:39,020

as Leonard Nimoy or Wil Wheaton I've

115

00:07:45,730 --> 00:07:42,199

never been on Star Trek I haven't even

116

00:07:46,600 --> 00:07:45,740

been on Battlestar Galactica so why is

117

00:07:49,899 --> 00:07:46,610

is TV

118

00:07:53,469 --> 00:07:49,909

TV's Jon Cryer here perhaps because of

119

00:07:56,080 --> 00:07:53,479

the fine work that so many people think

120

00:08:03,399 --> 00:07:56,090

I did on on wargames or in Ferris

121

00:08:07,809 --> 00:08:03,409

Bueller's Day Off I wasn't actually in

122

00:08:12,370 --> 00:08:07,819

either of those no I am actually here

123

00:08:20,550 --> 00:08:12,380

because I am a space geek and I think I

124

00:08:26,250 --> 00:08:24,690

I have been one all my life and to be

125

00:08:29,000 --> 00:08:26,260

standing here at the Kennedy Space

126

00:08:31,860 --> 00:08:29,010

Center is just a fanboy dream come true

127

00:08:36,000 --> 00:08:31,870

you know Gemini or as all the cool

128

00:08:39,089 --> 00:08:36,010

people call it Gemini Apollo was here of

129

00:08:41,130 --> 00:08:39,099

the the mighty Saturn 5 you know it all

130

00:08:43,110 --> 00:08:41,140

happened right here and from the moment

131

00:08:46,320 --> 00:08:43,120

I arrived the Cape it has been all of it

132

00:08:49,190 --> 00:08:46,330

I can do to keep from saying so buzz

133

00:08:55,800 --> 00:08:49,200

when you were like on the moon and stuff

134

00:08:57,420 --> 00:08:55,810

was it awesome so see I mean even from

135

00:08:59,670 --> 00:08:57,430

the time I was a little boy I mean even

136

00:09:02,670 --> 00:08:59,680

younger than my own son is now you know

137

00:09:04,950 --> 00:09:02,680

I've watched in awe as NASA progressed

138

00:09:07,200 --> 00:09:04,960

from you know one miracle to another I

139

00:09:09,660 --> 00:09:07,210

mean I'm thrilled as the the mighty

140

00:09:12,720 --> 00:09:09,670

birds lifted off the pad and and gazed

141

00:09:15,030 --> 00:09:12,730

at the poetic slow-motion beauty of a

142

00:09:18,930 --> 00:09:15,040

spacewalk and marvel that at the sight

143

00:09:21,360 --> 00:09:18,940

of human beings jumping and and driving

144

00:09:24,269 --> 00:09:21,370

and playing golf on the surface of the

145

00:09:26,070 --> 00:09:24,279

Moon I mean I held my breath during

146

00:09:28,320 --> 00:09:26,080

splashdowns and later during the

147

00:09:31,020 --> 00:09:28,330

majestic graceful descent of the shuttle

148

00:09:33,300 --> 00:09:31,030

I spent countless hours building scale

149

00:09:35,310 --> 00:09:33,310

models of our spacecraft making sure

150

00:09:37,260 --> 00:09:35,320

that decals were on just right you know

151

00:09:41,250 --> 00:09:37,270

and I have a shelf lined with space

152

00:09:42,960 --> 00:09:41,260

books I even have the the original GI

153

00:09:45,960 --> 00:09:42,970

Joe not the little piddly one but the

154

00:09:48,420 --> 00:09:45,970

the 12-inch ER in his original mercury 7

155

00:09:53,200 --> 00:09:48,430

spacesuit in the mercury mercury 7 craft

156

00:09:58,460 --> 00:09:55,930

people okay

157

00:10:05,000 --> 00:09:58,470

maybe other guys were hanging out with

158

00:10:06,830 --> 00:10:05,010

girls I had NASA so it thrills me to no

159

00:10:08,690 --> 00:10:06,840

end to be making my first visit to the

160

00:10:10,640 --> 00:10:08,700

Kennedy Space Center I have had the

161

00:10:13,100 --> 00:10:10,650

opportunity to meet some of the

162

00:10:16,220 --> 00:10:13,110

astronauts whom I have looked up to

163

00:10:18,200 --> 00:10:16,230

since I was a boy and and though

164

00:10:21,140 --> 00:10:18,210

astronauts are often referred to as you

165

00:10:23,570 --> 00:10:21,150

know legends and heroes and and Paragons

166

00:10:26,630 --> 00:10:23,580

of skills and fortitude and ambition

167

00:10:29,480 --> 00:10:26,640

they themselves will be the first to

168

00:10:32,690 --> 00:10:29,490

tell you of their fears flaws and

169

00:10:36,320 --> 00:10:32,700

foibles no scratch that the first people

170

00:10:40,310 --> 00:10:36,330

to tell you would be their spouses at

171

00:10:45,410 --> 00:10:40,320

length until it gets frankly a little

172

00:10:47,930 --> 00:10:45,420

awkward but but I think that we must

173

00:10:50,210 --> 00:10:47,940

always remember that it is perhaps

174

00:10:53,240 --> 00:10:50,220

because they are not perfect you know

175

00:10:57,410 --> 00:10:53,250

because of their essential humanity that

176

00:11:00,500 --> 00:10:57,420

what they achieve is so important they

177

00:11:03,530 --> 00:11:00,510

are the embodiment of human possibility

178

00:11:06,980 --> 00:11:03,540

and what they do on a daily basis is is

179

00:11:08,870 --> 00:11:06,990

to remind us that we as a species with

180

00:11:12,110 --> 00:11:08,880

all our imperfections can achieve

181

00:11:14,480 --> 00:11:12,120

wonders so I am honored to be here today

182

00:11:16,700 --> 00:11:14,490

celebrating the men and women who have

183

00:11:20,770 --> 00:11:16,710

inspired generations to reach higher and

184

00:11:24,860 --> 00:11:20,780

travel further to wonder and explore and

185

00:11:26,810 --> 00:11:24,870

create our future so now it is my

186

00:11:29,000 --> 00:11:26,820

privilege to introduce to you the

187

00:11:33,200 --> 00:11:29,010

attending members of the u.s. astronaut

188

00:11:35,390 --> 00:11:33,210

Hall of Fame joining us today okay today

189

00:11:37,760 --> 00:11:35,400

a founder of the astronaut scholarship

190

00:11:40,160 --> 00:11:37,770

foundation he is one of the of America's

191

00:11:42,050 --> 00:11:40,170

original seven astronauts he has the

192

00:11:44,510 --> 00:11:42,060

distinction of being the first human to

193

00:11:47,090 --> 00:11:44,520

conduct missions in both outer and inner

194

00:11:49,010 --> 00:11:47,100

space he flew the second American

195

00:11:50,660 --> 00:11:49,020

orbital flight piloting his spacecraft

196

00:11:53,330 --> 00:11:50,670

through three revolutions of the earth

197

00:11:55,820 --> 00:11:53,340

and later he participated in the Navy's

198

00:11:57,929 --> 00:11:55,830

man in the sea project as an Aquanaut in

199

00:12:11,470 --> 00:11:57,939

Sealab 2 program

200

00:12:17,410 --> 00:12:15,800

on July 20 1969 he and Neil Armstrong

201
00:12:20,120 --> 00:12:17,420
landed at the Sea of Tranquility

202
00:12:22,280 --> 00:12:20,130
becoming the first men to walk on the

203
00:12:24,290 --> 00:12:22,290
moon his first spaceflight was aboard

204
00:12:25,970 --> 00:12:24,300
Gemini 12 during which he spent more

205
00:12:28,370 --> 00:12:25,980
than five hours outside the vehicle

206
00:12:37,510 --> 00:12:28,380
space walking today he is a member of

207
00:12:41,590 --> 00:12:40,000
he served as the lunar module pilot

208
00:12:44,170 --> 00:12:41,600
aboard the first manned mission of the

209
00:12:46,000 --> 00:12:44,180
Apollo program Apollo 7 he later served

210
00:12:47,410 --> 00:12:46,010
as chief of the Skylab branch of the

211
00:12:49,210 --> 00:12:47,420
flight crew directorate overseeing

212
00:12:51,220 --> 00:12:49,220
components of the united states first

213
00:12:52,780 --> 00:12:51,230

space station today he shares his

214

00:12:54,790 --> 00:12:52,790

thoughts on spaceflight through periodic

215

00:13:06,370 --> 00:12:54,800

columns lectures and his book the

216

00:13:08,500 --> 00:13:06,380

all-american boys Walt Cunningham he was

217

00:13:10,150 --> 00:13:08,510

a member of the Apollo 13 crew that

218

00:13:11,860 --> 00:13:10,160

struggled to return to Earth after an

219

00:13:13,390 --> 00:13:11,870

oxygen tank explosion aborted the

220

00:13:16,120 --> 00:13:13,400

mission as it approached the moon in

221

00:13:18,970 --> 00:13:16,130

1970 selected by NASA for its fifth

222

00:13:20,590 --> 00:13:18,980

class of astronauts in April 1966 he

223

00:13:22,150 --> 00:13:20,600

later was commander of the space shuttle

224

00:13:32,420 --> 00:13:22,160

enterprise approach and landing test

225

00:13:38,090 --> 00:13:35,780

P sir the schematic eyelet on the 1971

226

00:13:39,530 --> 00:13:38,100

Apollo 15 moon mission during which he

227

00:13:41,600 --> 00:13:39,540

orbited the moon while his crewmates

228

00:13:43,040 --> 00:13:41,610

explored the surface on the homeward

229

00:13:46,040 --> 00:13:43,050

journey he took the farthest out

230

00:13:48,530 --> 00:13:46,050

spacewalk 200,000 miles from the earth

231

00:13:50,510 --> 00:13:48,540

moving along handrails on the outside of

232

00:13:52,250 --> 00:13:50,520

endeavour to retreat to retrieve film

233

00:14:02,170 --> 00:13:52,260

cassettes from to moon ramping cameras

234

00:14:08,510 --> 00:14:04,940

he became the tenth person to walk on

235

00:14:10,640 --> 00:14:08,520

the moon aboard Apollo 16 in 1972 during

236

00:14:13,160 --> 00:14:10,650

three outside excursions over three days

237

00:14:15,050 --> 00:14:13,170

he and fellow astronaut John Young drove

238

00:14:17,720 --> 00:14:15,060

a lunar rover sixteen miles and

239

00:14:19,850 --> 00:14:17,730

collected 213 pounds of lunar rock and

240

00:14:21,500 --> 00:14:19,860

soil today he is president of the

241

00:14:30,470 --> 00:14:21,510

Charlie Duke enterprises and as an

242

00:14:35,160 --> 00:14:33,720

he worked for 59 days in orbit as a

243

00:14:38,639 --> 00:14:35,170

member of the second Skylab space

244

00:14:40,290 --> 00:14:38,649

station crew in 1973 in 1982 he

245

00:14:42,120 --> 00:14:40,300

commanded the third orbital test flight

246

00:14:43,410 --> 00:14:42,130

of space shuttle Columbia the only

247

00:14:45,510 --> 00:14:43,420

mission to land at White Sands New

248

00:14:55,710 --> 00:14:45,520

Mexico he is a retired colonel from the

249

00:15:01,990 --> 00:14:59,260

he lived in space for 59 days aboard the

250

00:15:03,670 --> 00:15:02,000

Skylab space station in 1973 during

251
00:15:05,650 --> 00:15:03,680
which he conducted three spacewalks to

252
00:15:07,990 --> 00:15:05,660
exchange film and erect a Sun shield to

253
00:15:09,370 --> 00:15:08,000
cool the orbiting laboratory ten years

254
00:15:10,990 --> 00:15:09,380
later he returned to space aboard

255
00:15:13,450 --> 00:15:11,000
Columbia on the first flight of the

256
00:15:14,920 --> 00:15:13,460
Space Lab laboratory currently he is an

257
00:15:25,390 --> 00:15:14,930
adjunct professor at the University of

258
00:15:27,430 --> 00:15:25,400
Alabama in Huntsville Owen Garriott he

259
00:15:28,840 --> 00:15:27,440
piloted the fourth and final test flight

260
00:15:30,580 --> 00:15:28,850
of the space shuttle Columbia before

261
00:15:33,430 --> 00:15:30,590
commanding discovery on its maiden

262
00:15:35,020 --> 00:15:33,440
voyage in 1984 his last assignment was

263
00:15:36,970 --> 00:15:35,030

the first planned and controlled mission

264

00:15:39,250 --> 00:15:36,980

by a foreign customer and the first to

265

00:15:40,990 --> 00:15:39,260

fly eight crew members later he served

266

00:15:49,950 --> 00:15:41,000

as vice president of Raytheon aerospace

267

00:15:56,250 --> 00:15:54,540

a three flight veteran he and fellow

268

00:15:58,290 --> 00:15:56,260

crew member Bob Crippen were the first

269

00:16:00,810 --> 00:15:58,300

to fly an orbiter in close proximity to

270

00:16:02,670 --> 00:16:00,820

a free flying satellite on STS seven

271

00:16:04,290 --> 00:16:02,680

he went on to command the return to

272

00:16:07,050 --> 00:16:04,300

flight mission after Challenger was lost

273

00:16:09,360 --> 00:16:07,060

he left NASA in 1989 and became later

274

00:16:10,230 --> 00:16:09,370

became president and CEO of axis space

275

00:16:21,450 --> 00:16:10,240

in Maryland

276

00:16:23,160 --> 00:16:21,460

Rick how he has flown four Shuttle

277

00:16:24,870 --> 00:16:23,170

missions piloting the first night launch

278

00:16:26,550 --> 00:16:24,880

and commanding the others including the

279

00:16:28,800 --> 00:16:26,560

maiden flight of Endeavour he also

280

00:16:30,840 --> 00:16:28,810

served as chief of NASA astronaut

281

00:16:32,670 --> 00:16:30,850

astronaut office for five years and is

282

00:16:34,500 --> 00:16:32,680

currently executive vice president and

283

00:16:43,370 --> 00:16:34,510

chief operating officer of United Space

284

00:16:47,610 --> 00:16:46,019

he commanded four of his five Space

285

00:16:49,290 --> 00:16:47,620

Shuttle missions including the first

286

00:16:51,540 --> 00:16:49,300

docking of a shuttle with the Russian

287

00:16:53,160 --> 00:16:51,550

space station Mir he served as chief of

288

00:16:55,650 --> 00:16:53,170

the astronaut office until September

289

00:16:57,300 --> 00:16:55,660

1994 and retired from NASA soon

290

00:16:59,160 --> 00:16:57,310

thereafter he currently spends his time

291

00:17:01,699 --> 00:16:59,170

giving motivational speeches and setting

292

00:17:11,269 --> 00:17:01,709

world aviation records in his spare time

293

00:17:16,169 --> 00:17:13,949

he will be forever remembered by an

294

00:17:18,059 --> 00:17:16,179

iconic photo taken of him flying freely

295

00:17:20,909 --> 00:17:18,069

without a tether over the earth on

296

00:17:22,620 --> 00:17:20,919

mission STS 41 be during the flight he

297

00:17:24,720 --> 00:17:22,630

tested the manned maneuvering unit a

298

00:17:26,880 --> 00:17:24,730

jet-powered backpack that allowed him to

299

00:17:28,380 --> 00:17:26,890

float away from the shuttle six years

300

00:17:29,970 --> 00:17:28,390

later he returned to space aboard

301
00:17:32,009 --> 00:17:29,980
discovery to deploy the Hubble Space

302
00:17:33,870 --> 00:17:32,019
Telescope he currently works for

303
00:17:43,930 --> 00:17:33,880
Lockheed Martin Space Systems company in

304
00:17:47,980 --> 00:17:46,269
he flew three Shuttle missions and was a

305
00:17:50,230 --> 00:17:47,990
member of the first space walking team

306
00:17:52,029 --> 00:17:50,240
to repair a satellite in orbit he

307
00:17:53,830 --> 00:17:52,039
launched twice more on the missions

308
00:17:55,899 --> 00:17:53,840
immediately before and after the loss of

309
00:17:57,700 --> 00:17:55,909
Challenger he retains the distinction of

310
00:17:58,899 --> 00:17:57,710
being the only American to test fly the

311
00:18:00,970 --> 00:17:58,909
Russian manned maneuvering unit

312
00:18:02,440 --> 00:18:00,980
currently he serves as director of

313
00:18:05,289 --> 00:18:02,450

science mathematics and technology

314

00:18:15,009 --> 00:18:05,299

education at Western Washington

315

00:18:16,779 --> 00:18:15,019

University of Washington he commanded two

316

00:18:20,470 --> 00:18:16,789

space flights and piloted another

317

00:18:21,850 --> 00:18:20,480

logging 463 hours in space his first

318

00:18:23,769 --> 00:18:21,860

flight was the maiden voyage of the

319

00:18:26,139 --> 00:18:23,779

space shuttle Discovery and the first

320

00:18:27,460 --> 00:18:26,149

shuttle pad abort he went on to command

321

00:18:29,470 --> 00:18:27,470

the third shuttle mission after the

322

00:18:30,909 --> 00:18:29,480

Challenger tragic tragedy he is

323

00:18:32,740 --> 00:18:30,919

currently director of NASA's Johnson

324

00:18:41,610 --> 00:18:32,750

Space Center in Houston Texas

325

00:18:46,620 --> 00:18:43,680

he has flown three Shuttle missions

326

00:18:48,960 --> 00:18:46,630

commanding sts-31 to successfully deploy

327

00:18:51,420 --> 00:18:48,970

the Hubble Space Telescope he went on to

328

00:18:53,370 --> 00:18:51,430

command STS 46 deploying the European

329

00:18:56,250 --> 00:18:53,380

retrievable carrier Eureka and the

330

00:18:58,170 --> 00:18:56,260

Italian tethered satellite from 1997 to

331

00:18:59,790 --> 00:18:58,180

2000 he held the padishah position of

332

00:19:01,650 --> 00:18:59,800

deputy director of NASA's Kennedy Space

333

00:19:03,510 --> 00:19:01,660

Center currently he serves as vice

334

00:19:05,430 --> 00:19:03,520

president of engineering and integration

335

00:19:13,650 --> 00:19:05,440

and chief technology officer at United

336

00:19:18,490 --> 00:19:16,630

he is a veteran of five shuttle missions

337

00:19:20,440 --> 00:19:18,500

and the first astronaut astronaut to log

338

00:19:22,330 --> 00:19:20,450

1,000 hours on the shuttle

339

00:19:24,280 --> 00:19:22,340

he made NASA's first unplanned spacewalk

340

00:19:26,170 --> 00:19:24,290

and performed three spacewalks during

341

00:19:28,210 --> 00:19:26,180

the first hubble space telescope repair

342

00:19:29,380 --> 00:19:28,220

mission he is currently a professor at

343

00:19:38,830 --> 00:19:29,390

the Massachusetts Institute of

344

00:19:43,810 --> 00:19:42,100

a four-time Space Shuttle veteran he

345

00:19:45,250 --> 00:19:43,820

distinguished himself as both commander

346

00:19:47,680 --> 00:19:45,260

of the first Hubble Space Telescope

347

00:19:49,240 --> 00:19:47,690

repair mission and as pilot of discovery

348

00:19:51,010 --> 00:19:49,250

for the shuttle programs return to

349

00:19:53,080 --> 00:19:51,020

flight mission following the 1986

350

00:19:54,610 --> 00:19:53,090

Challenger disaster he has recently

351

00:19:56,500 --> 00:19:54,620

retired as the president and chief

352

00:20:05,880 --> 00:19:56,510

executive officer for United Space

353

00:20:10,120 --> 00:20:08,169

his first mission aboard space shuttle

354

00:20:12,490 --> 00:20:10,130

Columbia was the last to fly before the

355

00:20:14,380 --> 00:20:12,500

Challenger accident in 1986 he also

356

00:20:16,810 --> 00:20:14,390

piloted space shuttle discovery on the

357

00:20:18,039 --> 00:20:16,820

five-day sts-31 mission to deploy the

358

00:20:20,860 --> 00:20:18,049

Hubble Space Telescope

359

00:20:22,960 --> 00:20:20,870

he flew twice more logging more than 680

360

00:20:34,320 --> 00:20:22,970

hours in orbits today he serves as the

361

00:20:38,639 --> 00:20:37,409

a poor time Shuttle astronaut he

362

00:20:40,799 --> 00:20:38,649

commanded the first mission to the

363

00:20:43,169 --> 00:20:40,809

International Space Station he served as

364

00:20:45,240 --> 00:20:43,179

mission specialist for STS at 27 a

365

00:20:48,180 --> 00:20:45,250

Department of Defense mission launched

366

00:20:50,820 --> 00:20:48,190

the Ulysses probe on STS 41 and operated

367

00:20:52,860 --> 00:20:50,830

the u.s. microgravity payload on STS 52

368

00:20:54,509 --> 00:20:52,870

he went on to become a civilian engineer

369

00:20:56,639 --> 00:20:54,519

assigned to the staff of the commander

370

00:21:03,529 --> 00:20:56,649

Naval Special Warfare command bill

371

00:21:07,729 --> 00:21:06,259

he flew five Space Shuttle missions and

372

00:21:10,310 --> 00:21:07,739

one long-duration MIR Space Station

373

00:21:11,419 --> 00:21:10,320

flight he piloted two flights including

374

00:21:13,460 --> 00:21:11,429

the third flight following the

375

00:21:14,930 --> 00:21:13,470

Challenger tragedy he went on to command

376

00:21:16,669 --> 00:21:14,940

two missions before becoming the third

377

00:21:18,830 --> 00:21:16,679

American to live aboard the Russian Mir

378

00:21:29,560 --> 00:21:18,840

Space Station and set an American record

379

00:21:35,200 --> 00:21:32,950

he is a 4:00 flight veteran piloting his

380

00:21:38,020 --> 00:21:35,210

first two Space Shuttle missions later

381

00:21:39,460 --> 00:21:38,030

he command it's STS 65 during which he

382

00:21:41,320 --> 00:21:39,470

and his crew set a record for the

383

00:21:43,900 --> 00:21:41,330

longest shuttle mission at that time an

384

00:21:45,940 --> 00:21:43,910

STS 88 the first space station assembly

385

00:21:47,320 --> 00:21:45,950

mission he is currently the center

386

00:21:56,860 --> 00:21:47,330

director right here at NASA's Kennedy

387

00:22:21,530 --> 00:21:59,650

ladies and gentlemen our Hall of Fame

388

00:22:27,289 --> 00:22:24,980

and now I would like to welcome to the

389

00:22:30,560 --> 00:22:27,299

podium Hall of Fame astronaut and

390

00:22:38,299 --> 00:22:30,570

Kennedy Space Center director mr. Robert

391

00:22:41,030 --> 00:22:38,309

Cabana well good afternoon and welcome

392

00:22:43,760 --> 00:22:41,040

to the Kennedy Space Center for today's

393

00:22:46,159 --> 00:22:43,770

Hall of Fame induction ceremony it's a

394

00:22:48,350 --> 00:22:46,169

real privilege for me to be here and see

395

00:22:52,400 --> 00:22:48,360

four of America's finest honored in this

396

00:22:55,520 --> 00:22:52,410

way my crewmate on STS 53 guy Bluford

397

00:22:57,940 --> 00:22:55,530

the first African American in space Ken

398

00:23:00,710 --> 00:22:57,950

Bowersox my running buddy and conscience

399

00:23:03,919 --> 00:23:00,720

Frank Culbertson my classmate from the

400

00:23:05,990 --> 00:23:03,929

Naval Academy and Kathy Thornton Kathy

401
00:23:08,810 --> 00:23:06,000
always had a ready smile for me when

402
00:23:10,610 --> 00:23:08,820
times were tough together they span the

403
00:23:12,830 --> 00:23:10,620
full 30 years of the space shuttles

404
00:23:14,840 --> 00:23:12,840
amazing contributions to America's space

405
00:23:16,970 --> 00:23:14,850
program and because of their

406
00:23:18,620 --> 00:23:16,980
accomplishments they're well deserving

407
00:23:21,409 --> 00:23:18,630
of this honor being bestowed on them

408
00:23:22,880 --> 00:23:21,419
today there are many changes coming to

409
00:23:23,510 --> 00:23:22,890
the Kennedy Space Center in the days

410
00:23:25,370 --> 00:23:23,520
ahead

411
00:23:27,560 --> 00:23:25,380
as we fly out the remaining Shuttle

412
00:23:29,750 --> 00:23:27,570
missions transitioned to commercial

413
00:23:32,120 --> 00:23:29,760

operations in low-earth orbit supporting

414

00:23:34,520 --> 00:23:32,130

research and astronauts aboard the

415

00:23:35,930 --> 00:23:34,530

International Space Station and as we

416

00:23:38,180 --> 00:23:35,940

develop the infrastructure and

417

00:23:40,600 --> 00:23:38,190

technologies that once again take NASA

418

00:23:42,830 --> 00:23:40,610

exploring beyond our home planet

419

00:23:45,530 --> 00:23:42,840

the astronauts being inducted today

420

00:23:47,750 --> 00:23:45,540

embody the characteristics that have

421

00:23:48,680 --> 00:23:47,760

made the human space program the success

422

00:23:50,810 --> 00:23:48,690

that it is

423

00:23:53,930 --> 00:23:50,820

and they leave a legacy that will

424

00:23:56,500 --> 00:23:53,940

inspire generations of explorers that

425

00:23:59,690 --> 00:23:56,510

follow paving the way for our future

426

00:24:02,720 --> 00:23:59,700

change is never easy in the future

427

00:24:05,299 --> 00:24:02,730

sometimes scenes uncertain but the one

428

00:24:07,850 --> 00:24:05,309

thing I can assure you is that the KSC

429

00:24:10,880 --> 00:24:07,860

team is up to any challenge that the

430

00:24:13,490 --> 00:24:10,890

future may bring we will continue to be

431

00:24:15,830 --> 00:24:13,500

a world leader in space we will explore

432

00:24:18,760 --> 00:24:15,840

beyond our boundaries and we will

433

00:24:21,470 --> 00:24:18,770

continue to make a difference why

434

00:24:24,620 --> 00:24:21,480

because of this amazingly talented and

435

00:24:26,450 --> 00:24:24,630

dedicated team that those of us on this

436

00:24:28,880 --> 00:24:26,460

stage have been privileged to be a very

437

00:24:31,220 --> 00:24:28,890

small part of I want to thank you again

438

00:24:33,770 --> 00:24:31,230

for coming today and welcome you and

439

00:24:44,150 --> 00:24:33,780

once again my sincere congratulations to

440

00:24:48,530 --> 00:24:46,550

and now ladies and gentlemen a Hall of

441

00:24:50,900 --> 00:24:48,540

Fame astronaut and chairman of the

442

00:25:01,490 --> 00:24:50,910

astronaut scholarship foundation colonel

443

00:25:04,850 --> 00:25:01,500

al worden Thank You Jon script he can't

444

00:25:06,770 --> 00:25:04,860

read his script anyway thanks Jon

445

00:25:08,810 --> 00:25:06,780

the astronaut scholarship foundation has

446

00:25:11,720 --> 00:25:08,820

been running really strong for the past

447

00:25:14,390 --> 00:25:11,730

25 years it's founded by the mercury 7

448

00:25:16,070 --> 00:25:14,400

astronauts in 1984 and its goal was to

449

00:25:18,440 --> 00:25:16,080

help the United States retain its world

450

00:25:21,770 --> 00:25:18,450

leadership in science and technology by

451
00:25:24,050 --> 00:25:21,780
providing scholarships to the top

452
00:25:26,270 --> 00:25:24,060
college students pursuing degrees in

453
00:25:28,340 --> 00:25:26,280
these fields in the beginning they

454
00:25:30,320 --> 00:25:28,350
awarded just a thousand dollars for each

455
00:25:33,050 --> 00:25:30,330
scholarship and they gave out seven in

456
00:25:35,120 --> 00:25:33,060
the first year today over 80 astronauts

457
00:25:37,190 --> 00:25:35,130
from every u.s. space program have

458
00:25:41,210 --> 00:25:37,200
joined in the effort the foundation now

459
00:25:44,090 --> 00:25:41,220
disperses this year nineteen \$10,000

460
00:25:47,210 --> 00:25:44,100
scholarships and is awarded nearly three

461
00:25:49,850 --> 00:25:47,220
million dollars since its inception I've

462
00:25:53,840 --> 00:25:49,860
got to tell you that just yesterday the

463
00:25:56,390 --> 00:25:53,850

board approved six more schools so we

464

00:25:59,930 --> 00:25:56,400

will be giving out \$10,000 scholarships

465

00:26:04,530 --> 00:25:59,940

to 25 schools next year and that's a

466

00:26:12,600 --> 00:26:10,920

I have to tell you that we kind of pride

467

00:26:14,790 --> 00:26:12,610

ourselves on the fact that this is the

468

00:26:17,370 --> 00:26:14,800

largest monetary award given in the

469

00:26:19,080 --> 00:26:17,380

United States to science and engineering

470

00:26:21,060 --> 00:26:19,090

students at the undergraduate level

471

00:26:23,280 --> 00:26:21,070

based solely on merit and this is

472

00:26:24,900 --> 00:26:23,290

something we're really proud of not only

473

00:26:26,760 --> 00:26:24,910

does the Foundation provide scholarships

474

00:26:28,230 --> 00:26:26,770

but we also promote promote the

475

00:26:31,560 --> 00:26:28,240

importance of science technology and

476
00:26:33,510 --> 00:26:31,570
space exploration one way we do this is

477
00:26:35,910 --> 00:26:33,520
by serving as consultant to NASA and

478
00:26:38,550 --> 00:26:35,920
Kennedy Space Center Visitor Complex for

479
00:26:41,370 --> 00:26:38,560
the u.s. astronaut Hall of Fame where we

480
00:26:43,080 --> 00:26:41,380
supervise the selection process of the

481
00:26:45,330 --> 00:26:43,090
new astronauts that are inducted into

482
00:26:47,520 --> 00:26:45,340
the Hall of Fame to do so we put

483
00:26:49,820 --> 00:26:47,530
together in outside committee of

484
00:26:52,650 --> 00:26:49,830
outstanding people

485
00:26:55,260 --> 00:26:52,660
astronauts aerospace journalists authors

486
00:26:57,120 --> 00:26:55,270
retired NASA and Industry officials many

487
00:26:59,910 --> 00:26:57,130
of them are here today the chairman is

488
00:27:01,320 --> 00:26:59,920

Bob Sieck Bob where are you Bob Sieck is

489

00:27:03,390 --> 00:27:01,330

the chairman of the selection committee

490

00:27:05,220 --> 00:27:03,400

and I'd like all the committee that's

491

00:27:14,800 --> 00:27:05,230

here to stand up and take a bow please

492

00:27:22,280 --> 00:27:18,650

to do so we put together the see yeah I

493

00:27:22,760 --> 00:27:22,290

can't read a script John I got ahead of

494

00:27:25,670 --> 00:27:22,770

myself

495

00:27:28,820 --> 00:27:25,680

oh well good thing this wasn't last

496

00:27:30,530 --> 00:27:28,830

night now as most of you know last night

497

00:27:32,600 --> 00:27:30,540

we held a wonderful gala to celebrate

498

00:27:34,700 --> 00:27:32,610

the new inductees and what a night it

499

00:27:36,650 --> 00:27:34,710

was but the evening wouldn't have been

500

00:27:38,450 --> 00:27:36,660

possible if we'll work for the support

501
00:27:41,030 --> 00:27:38,460
and really good support of our sponsors

502
00:27:42,970 --> 00:27:41,040
that being said I'd like to take a

503
00:27:46,190 --> 00:27:42,980
moment to thank our friends at NASA

504
00:27:48,260 --> 00:27:46,200
Charlie Bolden Bob Cabana and mike

505
00:27:49,670 --> 00:27:48,270
coates two directors and the

506
00:27:51,320 --> 00:27:49,680
administrator of NASA and that's a

507
00:27:53,630 --> 00:27:51,330
pretty big deal getting them all here at

508
00:27:58,160 --> 00:27:55,670
like to also thank Bill Moore from

509
00:28:00,950 --> 00:27:58,170
Delaware North Park Service who heads up

510
00:28:02,630 --> 00:28:00,960
to Kennedy Center Visitor Complex

511
00:28:04,670 --> 00:28:02,640
we appreciate your invaluable

512
00:28:08,150 --> 00:28:04,680
partnership with the foundation I also

513
00:28:11,030 --> 00:28:08,160

want to talk thank our top induction

514

00:28:13,580 --> 00:28:11,040

sponsors that's Boeing Company James

515

00:28:15,380 --> 00:28:13,590

long Lockheed Martin United Space

516

00:28:17,720 --> 00:28:15,390

Alliance in science applications

517

00:28:19,630 --> 00:28:17,730

international corporation and to all the

518

00:28:22,040 --> 00:28:19,640

others who helped support this event

519

00:28:23,480 --> 00:28:22,050

okay let me turn it back over to John to

520

00:28:29,820 --> 00:28:23,490

induct this year's class thank you very

521

00:28:37,090 --> 00:28:34,389

thanks al and now the time has arrived

522

00:28:39,100 --> 00:28:37,100

the induction of the ninth class of

523

00:28:41,710 --> 00:28:39,110

space shuttle astronauts into the u.s.

524

00:28:43,060 --> 00:28:41,720

astronaut Hall of Fame they will be

525

00:28:46,149 --> 00:28:43,070

introduced in the order in which they

526

00:28:49,360 --> 00:28:46,159

flew into space our first inductee is

527

00:28:51,279 --> 00:28:49,370

guy Bluford jr. blue bird flew four

528

00:28:53,409 --> 00:28:51,289

Shuttle missions during the 15 years he

529

00:28:55,119 --> 00:28:53,419

was in the astronaut corps as mission

530

00:28:56,590 --> 00:28:55,129

specialist and a flight engineer aboard

531

00:28:58,269 --> 00:28:56,600

the first night launch and landing of

532

00:28:59,619 --> 00:28:58,279

the space shuttle he assisted in

533

00:29:02,230 --> 00:28:59,629

developing techniques for nighttime

534

00:29:04,180 --> 00:29:02,240

operations on his second flight he led

535

00:29:05,649 --> 00:29:04,190

the International on-orbit payload team

536

00:29:09,279 --> 00:29:05,659

in the training and on-orbit operations

537

00:29:12,369 --> 00:29:09,289

of 76 experiments in the German d1 space

538

00:29:14,320 --> 00:29:12,379

lab he launched twice more managing the

539

00:29:16,330 --> 00:29:14,330

operations of several experiments in the

540

00:29:20,049 --> 00:29:16,340

support of the DoD Strategic Defense

541

00:29:22,509 --> 00:29:20,059

Initiative office on the STS 39 followed

542

00:29:25,269 --> 00:29:22,519

by classified space shuttle flight STS

543

00:29:26,799 --> 00:29:25,279

53 Bluford retains the distinction of

544

00:29:28,749 --> 00:29:26,809

becoming the first African American to

545

00:29:31,389 --> 00:29:28,759

fly in space he currently is the

546

00:29:34,090 --> 00:29:31,399

president of aerospace technology group

547

00:31:11,000 --> 00:29:34,100

in Cleveland Ohio let's take a look at a

548

00:31:44,600 --> 00:31:13,920

ladies and gentlemen astronaut guy

549

00:31:48,990 --> 00:31:47,370

to present a guy Bluford jr. for

550

00:31:51,150 --> 00:31:49,000

induction in the u.s. astronaut Hall of

551
00:31:52,920 --> 00:31:51,160
Fame please welcome Hall of Fame

552
00:32:05,060 --> 00:31:52,930
astronaut and Johnson Space Center

553
00:32:07,980 --> 00:32:05,070
director Michael coats thanks John

554
00:32:11,070 --> 00:32:07,990
it's a real privilege to be able to

555
00:32:13,050 --> 00:32:11,080
introduce my fellow crewmen and my good

556
00:32:15,390 --> 00:32:13,060
friend guy Bluford into the astronaut

557
00:32:18,780 --> 00:32:15,400
Hall of Fame and it's wonderful to see

558
00:32:21,180 --> 00:32:18,790
guy and Linda here this weekend as you

559
00:32:23,280 --> 00:32:21,190
know guy is famous for being the first

560
00:32:26,010 --> 00:32:23,290
African African American astronaut to

561
00:32:29,130 --> 00:32:26,020
fly into space which isn't even

562
00:32:32,730 --> 00:32:29,140
of which we can all be proud notice that

563
00:32:36,480 --> 00:32:32,740

correct grammar there Charlie Bolden

564

00:32:41,250 --> 00:32:36,490

told me that's correct grammar and he's

565

00:32:46,440 --> 00:32:41,260

a marine so we know it's true in fact

566

00:32:49,260 --> 00:32:46,450

he's my boss so I'm sure it's true but

567

00:32:52,920 --> 00:32:49,270

in fact guys career is a history of

568

00:32:54,990 --> 00:32:52,930

remarkable achievements an airforce f-4

569

00:32:58,010 --> 00:32:55,000

fighter pilot with a hundred and forty

570

00:33:01,200 --> 00:32:58,020

four combat missions in Southeast Asia a

571

00:33:04,350 --> 00:33:01,210

master's degree an MBA degree and a PhD

572

00:33:07,230 --> 00:33:04,360

a veteran of four Space Shuttle missions

573

00:33:09,840 --> 00:33:07,240

and an aerospace industry executive

574

00:33:13,080 --> 00:33:09,850

until his retirement is a vice president

575

00:33:15,300 --> 00:33:13,090

at Northrop Grumman and of course guy

576

00:33:19,130 --> 00:33:15,310

was a member of the finest astronaut

577

00:33:28,259 --> 00:33:22,370

just stating the facts there guys

578

00:33:30,630 --> 00:33:28,269

we took a vote we'd win right guy has

579

00:33:31,830 --> 00:33:30,640

some other interesting first as a

580

00:33:34,169 --> 00:33:31,840

shuttle astronaut

581

00:33:35,700 --> 00:33:34,179

including as you saw being a crewman on

582

00:33:39,990 --> 00:33:35,710

the first night launched a night landing

583

00:33:42,470 --> 00:33:40,000

of the shuttle and perhaps being on the

584

00:33:45,810 --> 00:33:42,480

most crowded shuttle missions ever flown

585

00:33:48,860 --> 00:33:45,820

his 61a mission was the only shuttle

586

00:33:51,570 --> 00:33:48,870

mission to launch with eight crewmen

587

00:33:55,139 --> 00:33:51,580

which is a crowd even for the relatively

588

00:33:59,580 --> 00:33:55,149

spacious space shuttle and our STS 39

589

00:34:02,399 --> 00:33:59,590

crew of seven was and it still is the

590

00:34:05,430 --> 00:34:02,409

tallest crew ever to launch averaging

591

00:34:08,190 --> 00:34:05,440

more than six feet in height with the

592

00:34:09,570 --> 00:34:08,200

equivalent of seven six footers working

593

00:34:12,180 --> 00:34:09,580

up in the flight deck at the same time

594

00:34:15,599 --> 00:34:12,190

during the rendezvous it was crowded

595

00:34:17,310 --> 00:34:15,609

even in zero gravity so better than most

596

00:34:19,829 --> 00:34:17,320

shuttle astronauts guy can probably

597

00:34:21,930 --> 00:34:19,839

relate to the crowded confines of the

598

00:34:25,230 --> 00:34:21,940

Apollo and Soyuz capsules that a lot of

599

00:34:27,839 --> 00:34:25,240

folks here had flown in it was our STS

600

00:34:30,570 --> 00:34:27,849

39 mission that most impressed me with

601
00:34:34,500 --> 00:34:30,580
guys abilities guy and I were the only

602
00:34:37,379 --> 00:34:34,510
two veterans on the seven-person crew on

603
00:34:39,990 --> 00:34:37,389
a busy and around-the-clock mission with

604
00:34:43,109 --> 00:34:40,000
complicated and still unique in space

605
00:34:45,990 --> 00:34:43,119
maneuvers and multiple crew intensive

606
00:34:48,119 --> 00:34:46,000
payloads guy was the payload commander

607
00:34:50,129 --> 00:34:48,129
and I was very fortunate to be able to

608
00:34:53,129 --> 00:34:50,139
delegate a tremendous number of tasks

609
00:34:56,430 --> 00:34:53,139
the guy I depended on him to show the

610
00:34:59,190 --> 00:34:56,440
five rookies how to quickly adapt to and

611
00:35:01,349 --> 00:34:59,200
efficiently operate in the strange new

612
00:35:03,690 --> 00:35:01,359
environment of zero-gravity and do what

613
00:35:06,960 --> 00:35:03,700

was required to achieve complete mission

614

00:35:09,420 --> 00:35:06,970

success any spacecraft commander looks

615

00:35:10,980 --> 00:35:09,430

for someone on the crew that he can

616

00:35:13,349 --> 00:35:10,990

count on to keep track of the big

617

00:35:16,140 --> 00:35:13,359

picture well working all the countless

618

00:35:18,390 --> 00:35:16,150

details and also make sure that nothing

619

00:35:21,599 --> 00:35:18,400

falls through the crack and guy did that

620

00:35:22,530 --> 00:35:21,609

perfectly for me he's been described as

621

00:35:24,780 --> 00:35:22,540

unflappable

622

00:35:27,750 --> 00:35:24,790

which is something you'd like to see in

623

00:35:30,720 --> 00:35:27,760

your astronauts he was also the type of

624

00:35:31,740 --> 00:35:30,730

capable and reliable crewman that makes

625

00:35:34,140 --> 00:35:31,750

space missions

626
00:35:37,230 --> 00:35:34,150
successful enjoyable and memorable and

627
00:35:39,930 --> 00:35:37,240
guys got the personality that makes it a

628
00:35:42,270 --> 00:35:39,940
joy to train with for many many months

629
00:35:45,870 --> 00:35:42,280
before we go fly and of course to fly

630
00:35:47,870 --> 00:35:45,880
with so I'm very proud to have been in

631
00:35:50,160 --> 00:35:47,880
the same astronaut class with guy I'm

632
00:35:52,500 --> 00:35:50,170
proud to have had the opportunity to fly

633
00:35:55,140 --> 00:35:52,510
with guy on a challenging and completely

634
00:35:57,090 --> 00:35:55,150
successful space shuttle mission and I'm

635
00:36:28,650 --> 00:35:57,100
immensely proud to induct guy Bluford

636
00:36:36,180 --> 00:36:32,940
Wow I'm really impressed and I feel very

637
00:36:39,150 --> 00:36:36,190
humbled to be here and very privileged

638
00:36:40,740 --> 00:36:39,160

to have my coats represent me you know

639

00:36:42,930 --> 00:36:40,750

one of the things about flying in space

640

00:36:45,690 --> 00:36:42,940

is that when you come down from flying

641

00:36:47,640 --> 00:36:45,700

in space as a team you go around and

642

00:36:50,910 --> 00:36:47,650

thank the people who help make your

643

00:36:52,920 --> 00:36:50,920

mission a success and we take a great

644

00:36:54,630 --> 00:36:52,930

deal of pride in that and what I was

645

00:36:57,240 --> 00:36:54,640

going to do this afternoon is to sort of

646

00:37:00,960 --> 00:36:57,250

do a little of that with reference to my

647

00:37:03,000 --> 00:37:00,970

career I'm a kid from inner-city

648

00:37:04,410 --> 00:37:03,010

Philadelphia just to give you a feel

649

00:37:07,010 --> 00:37:04,420

grew up on the inner city of

650

00:37:09,270 --> 00:37:07,020

Philadelphia and I was I grew up in the

651

00:37:12,120 --> 00:37:09,280

1940s and 50s

652

00:37:15,050 --> 00:37:12,130

I had great role models growing up and

653

00:37:17,490 --> 00:37:15,060

in Philadelphia I had a mother who was a

654

00:37:20,310 --> 00:37:17,500

schoolteacher and a father who was a

655

00:37:22,680 --> 00:37:20,320

mechanical engineer I went to great

656

00:37:25,380 --> 00:37:22,690

public schools and in the 40s really my

657

00:37:28,490 --> 00:37:25,390

heroes were the Tuskegee Airmen just to

658

00:37:31,050 --> 00:37:28,500

keep you field I grew up at a time when

659

00:37:33,750 --> 00:37:31,060

aviation was making a lot of changes I

660

00:37:35,520 --> 00:37:33,760

went from propeller driven airplanes and

661

00:37:39,090 --> 00:37:35,530

I remember a propeller driven airplane

662

00:37:40,860 --> 00:37:39,100

going from there to Jets to rocket

663

00:37:43,890 --> 00:37:40,870

powered airplanes and I remember as a

664

00:37:47,190 --> 00:37:43,900

kid astronauts were Flash Gordon and

665

00:37:50,330 --> 00:37:47,200

Ming and Buck Rogers you know people

666

00:37:53,940 --> 00:37:50,340

that you saw in the in the comic books I

667

00:37:56,910 --> 00:37:53,950

liked making airplanes and decided as a

668

00:38:00,480 --> 00:37:56,920

kid that I wanted to be an aerospace

669

00:38:03,240 --> 00:38:00,490

engineer my heroes growing up were

670

00:38:07,940 --> 00:38:03,250

people like dick Whitcomb who was a NASA

671

00:38:13,530 --> 00:38:07,950

engineer Jack Northrup of Northrop

672

00:38:16,590 --> 00:38:13,540

aviation and Kelly Johnson of the skunk

673

00:38:19,620 --> 00:38:16,600

works so I was an official and Phoenicia

674

00:38:21,870 --> 00:38:19,630

oh so speak of airplanes and so I

675

00:38:25,860 --> 00:38:21,880

decided as a kid that I wanted to be an

676

00:38:29,640 --> 00:38:25,870

aerospace engineer so I chased the dream

677

00:38:32,790 --> 00:38:29,650

I've decided to chase the dream and in

678

00:38:35,610 --> 00:38:32,800

1960 I went to Penn State to get a

679

00:38:37,960 --> 00:38:35,620

degree in aerospace engineering while I

680

00:38:40,270 --> 00:38:37,970

was there I discovered I had to take

681

00:38:44,740 --> 00:38:40,280

see see which was I didn't notice that

682

00:38:47,230 --> 00:38:44,750

in their catalog so I had to take ROTC

683

00:38:49,839 --> 00:38:47,240

so of course that took airforce and then

684

00:38:51,579 --> 00:38:49,849

I decided I'd go advanced Air Force and

685

00:38:55,120 --> 00:38:51,589

at that point I was gonna go in as an

686

00:38:57,010 --> 00:38:55,130

engineer until I discovered between my

687

00:39:00,099 --> 00:38:57,020

junior and senior year that I could fly

688

00:39:03,730 --> 00:39:00,109

airplanes and I thought that sounds cool

689

00:39:07,059 --> 00:39:03,740

and I'll try and do that and so in my

690

00:39:09,880 --> 00:39:07,069

senior year in ROTC the training was

691

00:39:10,930 --> 00:39:09,890

getting a private pilot's license and I

692

00:39:13,780 --> 00:39:10,940

remember

693

00:39:17,740 --> 00:39:13,790

buzzing the campus of Penn State

694

00:39:20,109 --> 00:39:17,750

University with 172 when I graduated

695

00:39:22,480 --> 00:39:20,119

from Penn State in 64 I had a degree in

696

00:39:26,319 --> 00:39:22,490

aerospace engineering I had a commission

697

00:39:29,109 --> 00:39:26,329

in the Air Force and a private pilot's

698

00:39:30,819 --> 00:39:29,119

license so I was off and running I went

699

00:39:32,770 --> 00:39:30,829

to pilot training and I was fortunate

700

00:39:36,040 --> 00:39:32,780

enough to meet a guy by the name of

701

00:39:39,460 --> 00:39:36,050

chappie James I decided to be a gun

702

00:39:42,370 --> 00:39:39,470

fighter and I was fortunate enough to do

703

00:39:45,040 --> 00:39:42,380

that by flying f4 is in Vietnam and then

704

00:39:48,099 --> 00:39:45,050

after Vietnam I was a t-38 instructor

705

00:39:50,109 --> 00:39:48,109

pilot teaching future fighter pilots not

706

00:39:53,170 --> 00:39:50,119

only for the Air Force but for the

707

00:39:55,839 --> 00:39:53,180

German airforce as well but I always

708

00:39:57,609 --> 00:39:55,849

wanted to be an engineer and eventually

709

00:40:00,099 --> 00:39:57,619

I went back to school got a master's

710

00:40:04,900 --> 00:40:00,109

degree and PhD in aerospace engineering

711

00:40:07,839 --> 00:40:04,910

and became an aerospace engineer and I

712

00:40:10,599 --> 00:40:07,849

let a branch at wright-patterson doing

713

00:40:12,880 --> 00:40:10,609

leading-edge research in aerospace

714

00:40:14,430 --> 00:40:12,890

engineering so it was really a fabulous

715

00:40:18,160 --> 00:40:14,440

job

716

00:40:22,390 --> 00:40:18,170

once again I decided to chase the dream

717

00:40:24,970 --> 00:40:22,400

chase the dream and in 77 I saw this ad

718

00:40:28,230 --> 00:40:24,980

for a flying in space on the shuttle I

719

00:40:30,309 --> 00:40:28,240

wasn't sure that that was for me every

720

00:40:32,859 --> 00:40:30,319

70,000 people who applied for the

721

00:40:35,829 --> 00:40:32,869

program I applied for the program and in

722

00:40:39,010 --> 00:40:35,839

early 78 I got this call from the

723

00:40:44,109 --> 00:40:39,020

strange guy his name was George Abby

724

00:40:48,750 --> 00:40:44,119

okay and it was in the middle of January

725

00:40:50,970 --> 00:40:48,760

and the snow was up to here okay

726

00:40:53,460 --> 00:40:50,980

and he asked me what the weather was

727

00:40:55,920 --> 00:40:53,470

like in Dayton and I moaned and groaned

728

00:40:58,140 --> 00:40:55,930

for about five minutes and how I hated

729

00:41:01,610 --> 00:40:58,150

the snow and sleet and sludge for which

730

00:41:04,290 --> 00:41:01,620

George and his monotone voice said hey

731

00:41:07,020 --> 00:41:04,300

it doesn't snow in Houston would you

732

00:41:10,040 --> 00:41:07,030

like to come to Houston and at that

733

00:41:14,010 --> 00:41:10,050

point I realized that I was a member of

734

00:41:16,290 --> 00:41:14,020

the 8th class of astronauts I take great

735

00:41:21,150 --> 00:41:16,300

deal of pride in part being part of the

736

00:41:24,690 --> 00:41:21,160

T FNG but 35 new guys we came on board

737

00:41:26,430 --> 00:41:24,700

in 1978 it was a great experience we

738

00:41:28,740 --> 00:41:26,440

were still learning how to fly the

739

00:41:31,340 --> 00:41:28,750

shuttle so the shuttle was still being

740

00:41:34,170 --> 00:41:31,350

developed at that time we really had

741

00:41:37,070 --> 00:41:34,180

legendary people at the Johnson Space

742

00:41:41,760 --> 00:41:37,080

Center everybody from Chris Craft to

743

00:41:43,770 --> 00:41:41,770

then not Glynn Lunney Gene Kranz a lot

744

00:41:46,080 --> 00:41:43,780

of those people we also had a legendary

745

00:41:48,960 --> 00:41:46,090

people in the astronaut office we had

746

00:41:52,230 --> 00:41:48,970

four people who went to the moon John

747

00:41:56,550 --> 00:41:52,240

Young Alan bean TK Mattingly and Fred

748

00:41:59,760 --> 00:41:56,560

Hayes Skylab people as well as Vance

749

00:42:02,190 --> 00:41:59,770

Brennan who flew on Apollo Soyuz so it

750

00:42:06,150 --> 00:42:02,200

was a great time to come into the

751
00:42:10,710 --> 00:42:06,160
astronaut program in 81 I was at Edwards

752
00:42:12,600 --> 00:42:10,720
when kripp and John brought Columbia in

753
00:42:15,330 --> 00:42:12,610
for the first time and I realized when

754
00:42:17,360 --> 00:42:15,340
they landed we had our vehicle we really

755
00:42:20,460 --> 00:42:17,370
had something that's really gonna fly I

756
00:42:24,030 --> 00:42:20,470
feel very fortunate I flew on four teams

757
00:42:25,710 --> 00:42:24,040
in the astronaut office and remember

758
00:42:29,400 --> 00:42:25,720
when there's a member of each of those

759
00:42:32,310 --> 00:42:29,410
teams up here on the stage okay I flew

760
00:42:34,350 --> 00:42:32,320
with Dan brandenstein and dick truly on

761
00:42:36,360 --> 00:42:34,360
STS eight first night launch and first

762
00:42:38,730 --> 00:42:36,370
night landing of the shuttle we work

763
00:42:40,530 --> 00:42:38,740

real hard to maintain our night vision

764

00:42:42,150 --> 00:42:40,540

as we climbed into the cockpit that

765

00:42:45,150 --> 00:42:42,160

evening I remember that was two o'clock

766

00:42:47,580 --> 00:42:45,160

in the morning and when the solid rocket

767

00:42:49,029 --> 00:42:47,590

boosters went off we forget about night

768

00:42:52,120 --> 00:42:49,039

vision okay

769

00:42:54,309 --> 00:42:52,130

really quite a run I realized on orbit

770

00:42:56,799 --> 00:42:54,319

how exciting that mission was and I have

771

00:42:59,439 --> 00:42:56,809

to tell you I was hooked on flying in

772

00:43:02,319 --> 00:42:59,449

space that was a great great experience

773

00:43:05,650 --> 00:43:02,329

I was turned back around and flew on

774

00:43:09,039 --> 00:43:05,660

sts-61 alpha I flew with the guy by the

775

00:43:12,579 --> 00:43:09,049

name of Hank Hartsfield and we had a

776
00:43:14,949 --> 00:43:12,589
team of three European astronauts that

777
00:43:17,559 --> 00:43:14,959
joined up with Barney Dunbar we ran a

778
00:43:20,019 --> 00:43:17,569
Space Lab in space and it was an

779
00:43:21,249 --> 00:43:20,029
exciting experience working with Germans

780
00:43:24,009 --> 00:43:21,259
in space and one of the nice features

781
00:43:26,979 --> 00:43:24,019
about Hank Hartsfield was that he was

782
00:43:29,199 --> 00:43:26,989
fluent in German and that was really a

783
00:43:32,140 --> 00:43:29,209
very help when we had to deal with a lot

784
00:43:35,289 --> 00:43:32,150
of German guys I flew with my third

785
00:43:38,849 --> 00:43:35,299
flight or with my coats fabulous guy to

786
00:43:43,150 --> 00:43:38,859
work with we flew it very complicated

787
00:43:45,069 --> 00:43:43,160
very challenging flight on STS 39 the

788
00:43:48,099 --> 00:43:45,079

thing I remember about Mike was Mike and

789

00:43:50,409 --> 00:43:48,109

I were the experienced guys we were

790

00:43:53,189 --> 00:43:50,419

flying for the third time and we had

791

00:43:56,499 --> 00:43:53,199

five rookies and you could tell that

792

00:43:57,789 --> 00:43:56,509

these rookies were all excited about

793

00:44:01,209 --> 00:43:57,799

flying in space

794

00:44:02,909 --> 00:44:01,219

every simulator every sim was exciting

795

00:44:06,729 --> 00:44:02,919

to them and for me and Mike it was

796

00:44:09,699 --> 00:44:06,739

another essence them another one orbits

797

00:44:11,439 --> 00:44:09,709

em okay we gotta taste the space food

798

00:44:14,259 --> 00:44:11,449

again you know but we had these five

799

00:44:16,749 --> 00:44:14,269

guys who were all excited and I had to

800

00:44:21,699 --> 00:44:16,759

remind them that this was a business

801
00:44:23,289 --> 00:44:21,709
trip this is just a business trip we're

802
00:44:25,659 --> 00:44:23,299
only gonna be out of town for eight days

803
00:44:29,199 --> 00:44:25,669
this is a business trip think about it

804
00:44:32,499 --> 00:44:29,209
as a business finally I had an

805
00:44:33,579 --> 00:44:32,509
opportunity to fly honesty is 53 I flew

806
00:44:37,539 --> 00:44:33,589
with Bob Cabana

807
00:44:40,689 --> 00:44:37,549
it was the dog team we decided we'd be

808
00:44:43,689 --> 00:44:40,699
dog team and so we all gate we all had

809
00:44:47,439 --> 00:44:43,699
dog names the commander was Dave Walker

810
00:44:49,959 --> 00:44:47,449
we had a dog mobile we gave our trainers

811
00:44:52,719 --> 00:44:49,969
dog names and we really had a good time

812
00:44:54,309 --> 00:44:52,729
it was a classified DoD flight I'd be

813
00:44:59,079 --> 00:44:54,319

happy to tell you what we did but I'd

814

00:45:02,230 --> 00:44:59,089

have to shoot all of you Bob cabana was

815

00:45:11,200 --> 00:45:02,240

named mighty dog you know marine type

816

00:45:14,530 --> 00:45:11,210

my dog name was doggone so in 93 I

817

00:45:19,900 --> 00:45:14,540

decided to once again chase the dream

818

00:45:23,200 --> 00:45:19,910

and left NASA I joined a small minority

819

00:45:25,870 --> 00:45:23,210

owned company and had an opportunity to

820

00:45:27,970 --> 00:45:25,880

run the largest a day contract ever

821

00:45:30,940 --> 00:45:27,980

awarded by the federal government 180

822

00:45:33,190 --> 00:45:30,950

million dollar company contract we did

823

00:45:36,839 --> 00:45:33,200

an awful lot of research in air

824

00:45:41,970 --> 00:45:36,849

breathing engines and composite

825

00:45:45,430 --> 00:45:41,980

materials and combustion in space and

826

00:45:47,200 --> 00:45:45,440

space powers based communication and we

827

00:45:50,109 --> 00:45:47,210

built experiments that flew on the

828

00:45:51,640 --> 00:45:50,119

shuttle we did that for four years the

829

00:45:54,220 --> 00:45:51,650

company was bought by another company

830

00:45:57,460 --> 00:45:54,230

called federal data

831

00:45:59,710 --> 00:45:57,470

I ran their business for three years

832

00:46:01,930 --> 00:45:59,720

chasing contracts we won a major

833

00:46:04,270 --> 00:46:01,940

contract with the International Space

834

00:46:06,010 --> 00:46:04,280

Station and then I finished up with

835

00:46:09,190 --> 00:46:06,020

Northrop Grumman and I was a vice

836

00:46:13,650 --> 00:46:09,200

president there and I worked on putting

837

00:46:16,030 --> 00:46:13,660

in a payload ops center and building two

838

00:46:19,390 --> 00:46:16,040

racks for the International Space

839

00:46:21,870 --> 00:46:19,400

Station combustion integration rack and

840

00:46:24,099 --> 00:46:21,880

the fluid integration rack two racks

841

00:46:27,849 --> 00:46:24,109

experiment racks that are currently on

842

00:46:29,230 --> 00:46:27,859

destiny I've been very fortunate to be a

843

00:46:30,910 --> 00:46:29,240

kid who grew up in an inner-city

844

00:46:33,760 --> 00:46:30,920

Philadelphia who wanted to be an

845

00:46:36,609 --> 00:46:33,770

aerospace engineer but most importantly

846

00:46:44,290 --> 00:46:36,619

I was very fortunate to in my freshman

847

00:47:00,349 --> 00:46:44,300

year met a woman who has been with 50

848

00:47:04,490 --> 00:47:02,090

when I go out and talk to kids all the

849

00:47:07,160 --> 00:47:04,500

time I tell them to work hard aim high

850

00:47:09,470 --> 00:47:07,170

and to chase their dreams and that's

851
00:47:11,690 --> 00:47:09,480
what I wanted that's what I did I want

852
00:47:14,000 --> 00:47:11,700
to congratulate the astronaut

853
00:47:15,800 --> 00:47:14,010
Scholarship Foundation for their

854
00:47:18,230 --> 00:47:15,810
scholarships and for helping other

855
00:47:28,810 --> 00:47:18,240
people chase their dreams thank you very

856
00:47:35,950 --> 00:47:34,750
the u.s. astronaut Hall of Fame before I

857
00:47:38,020 --> 00:47:35,960
go on I actually just won't let you know

858
00:47:40,780 --> 00:47:38,030
obviously I'm using the teleprompter

859
00:47:44,350 --> 00:47:40,790
which is I'm so grateful for because I

860
00:47:47,620 --> 00:47:44,360
can't remember your bees I don't know

861
00:47:48,880 --> 00:47:47,630
those things but there's a guy back

862
00:47:51,460 --> 00:47:48,890
there named Jeff who's running the

863
00:47:54,340 --> 00:47:51,470

teleprompter and he's awesome except

864

00:47:58,930 --> 00:47:54,350

that I talk really fast so the poor guy

865

00:48:02,110 --> 00:47:58,940

I'm seeing this so please forgive me if

866

00:48:04,360 --> 00:48:02,120

occasionally who's my place I'm also if

867

00:48:06,070 --> 00:48:04,370

you guys could do me a favor I can't see

868

00:48:08,770 --> 00:48:06,080

these fantastically well produced videos

869

00:48:11,050 --> 00:48:08,780

that are on so when they're over I don't

870

00:48:15,610 --> 00:48:11,060

know they're over so if you guys could

871

00:48:16,780 --> 00:48:15,620

applaud vigorously yeah

872

00:48:19,170 --> 00:48:16,790

that would help me tremendously

873

00:48:22,720 --> 00:48:19,180

otherwise I'll just hit a parent wait

874

00:48:26,200 --> 00:48:22,730

but I'd like to move on now to our

875

00:48:28,900 --> 00:48:26,210

second induct eight betsy say this is

876

00:48:31,510 --> 00:48:28,910

what jeff has to deal with he's a god

877

00:48:34,930 --> 00:48:31,520

bless him our second inductee today is

878

00:48:36,670 --> 00:48:34,940

Kathy Thornton Thornton flew for Space

879

00:48:38,950 --> 00:48:36,680

Shuttle missions during her 12 years in

880

00:48:40,660 --> 00:48:38,960

the astronaut corps during her second

881

00:48:41,950 --> 00:48:40,670

flight she served as mission specialist

882

00:48:44,700 --> 00:48:41,960

throughout the first and only

883

00:48:46,900 --> 00:48:44,710

three-person spacewalk in May 1992

884

00:48:48,190 --> 00:48:46,910

Thornton's first flight was as a mission

885

00:48:51,220 --> 00:48:48,200

specialist aboard the Department of

886

00:48:52,300 --> 00:48:51,230

Defense STS 33 mission and again aboard

887

00:48:54,340 --> 00:48:52,310

the maiden flight of space shuttle

888

00:48:55,990 --> 00:48:54,350

Endeavour she served as mission

889

00:48:59,020 --> 00:48:56,000

specialist aboard the first Hubble Space

890

00:49:00,820 --> 00:48:59,030

Telescope repair mission sts-61 along

891

00:49:03,220 --> 00:49:00,830

with alongside fellow inductee Ken

892

00:49:04,930 --> 00:49:03,230

Bowersox and later served as the payload

893

00:49:07,720 --> 00:49:04,940

commander on the second United States

894

00:49:09,310 --> 00:49:07,730

microgravity laboratory mission Thornton

895

00:49:11,200 --> 00:49:09,320

has co-authored an elementary science

896

00:49:13,000 --> 00:49:11,210

textbook series in partnership with NASA

897

00:49:14,980 --> 00:49:13,010

and currently she serves as the

898

00:49:16,450 --> 00:49:14,990

associate dean for graduate programs at

899

00:49:18,640 --> 00:49:16,460

the University of Virginia School of

900

00:49:19,960 --> 00:49:18,650

Engineering and Applied Science let's

901
00:50:14,180 --> 00:49:19,970
take a look at some video highlights

902
00:50:14,190 --> 00:51:00,160
and Katie we see a good deployed

903
00:51:38,599 --> 00:51:03,560
ladies and gentlemen astronaut Kathy

904
00:51:43,039 --> 00:51:41,089
to present Kathy Thornton for induction

905
00:51:44,809 --> 00:51:43,049
into the u.s. astronaut Hall of Fame

906
00:51:48,700 --> 00:51:44,819
please welcome Hall of Fame astronaut

907
00:51:52,009 --> 00:51:48,710
Dan brandenstein thank you John

908
00:51:54,529 --> 00:51:52,019
well it's certainly my privilege and

909
00:51:56,059 --> 00:51:54,539
honor to introduce Kathy today you've

910
00:51:58,549 --> 00:51:56,069
you've heard all the technical stuff

911
00:52:01,609 --> 00:51:58,559
from John's introduction and from the

912
00:52:04,819 --> 00:52:01,619
video so I'll talk about some of the

913
00:52:06,140 --> 00:52:04,829

other things the when you do something

914

00:52:09,079 --> 00:52:06,150

like this you have to look for reliable

915

00:52:12,650 --> 00:52:09,089

sources and I couldn't find any from her

916

00:52:15,109 --> 00:52:12,660

childhood so so we'll have to pick her

917

00:52:17,599 --> 00:52:15,119

pick it up after that will kind of start

918

00:52:20,660 --> 00:52:17,609

around the round graduating and going to

919

00:52:22,789 --> 00:52:20,670

college she majored in physics at I went

920

00:52:28,430 --> 00:52:22,799

the got her undergraduate at Auburn and

921

00:52:32,120 --> 00:52:28,440

then went alright went on to the

922

00:52:35,299 --> 00:52:32,130

University of Virginia for her for her

923

00:52:37,999 --> 00:52:35,309

master's and PhD later when she was on

924

00:52:38,900 --> 00:52:38,009

one of her assignments after graduating

925

00:52:41,960 --> 00:52:38,910

somebody asked her will

926

00:52:45,759 --> 00:52:41,970

why'd why do you study physics her

927

00:52:48,380 --> 00:52:45,769

answer was well home equus full in

928

00:52:51,289 --> 00:52:48,390

chemistry had to pay for the beakers if

929

00:52:55,220 --> 00:52:51,299

you broke him in the lab and math was

930

00:52:57,109 --> 00:52:55,230

too theoretical so but now she graduated

931

00:52:59,809 --> 00:52:57,119

I think did some research after that but

932

00:53:04,160 --> 00:52:59,819

ended up with a job with the US Army as

933

00:53:06,440 --> 00:53:04,170

an intelligence analyst it was back in

934

00:53:09,339 --> 00:53:06,450

1983 while she was working with these

935

00:53:12,529 --> 00:53:09,349

army guys analyzing intelligence that

936

00:53:13,910 --> 00:53:12,539

the call came for another astronaut

937

00:53:15,349 --> 00:53:13,920

selection and a lot of these army

938

00:53:17,089 --> 00:53:15,359

officers were getting it through the

939

00:53:19,009 --> 00:53:17,099

military chain of command and we're you

940

00:53:21,380 --> 00:53:19,019

know looking to apply for for the

941

00:53:22,519 --> 00:53:21,390

astronaut program and you know so Kathy

942

00:53:25,220 --> 00:53:22,529

kind of asked about that they said well

943

00:53:27,890 --> 00:53:25,230

you're not in the military you know so

944

00:53:29,299 --> 00:53:27,900

she found a different route probably

945

00:53:31,400 --> 00:53:29,309

through NASA I'm sure it was through

946

00:53:34,069 --> 00:53:31,410

NASA and I did in fact put in an

947

00:53:36,079 --> 00:53:34,079

application she was successful with that

948

00:53:38,809 --> 00:53:36,089

had the opportunity to go to Houston and

949

00:53:41,809 --> 00:53:38,819

get interviewed was successful with that

950

00:53:43,489 --> 00:53:41,819

and somewhere down the road she got just

951
00:53:47,269 --> 00:53:43,499
like guys she got a call from this Eddie

952
00:53:50,870 --> 00:53:47,279
guy and wanted to know if she wanted to

953
00:53:51,980 --> 00:53:50,880
come and be an astronaut she said well

954
00:53:54,500 --> 00:53:51,990
she

955
00:53:56,810 --> 00:53:54,510
think about it but but Steve Steve was

956
00:53:58,070 --> 00:53:56,820
over in Europe doing some research and

957
00:54:00,080 --> 00:53:58,080
and you know she wanted to check with

958
00:54:04,430 --> 00:54:00,090
him by the way at to this point she

959
00:54:05,960 --> 00:54:04,440
hadn't even told him about it yet so so

960
00:54:08,359 --> 00:54:05,970
she but she had a lot of resources so

961
00:54:09,710 --> 00:54:08,369
she gave her an hour to say whether or

962
00:54:11,960 --> 00:54:09,720
not she wanted to you know come to

963
00:54:13,670 --> 00:54:11,970

Houston and be an astronaut she had a

964

00:54:16,040 --> 00:54:13,680

lot of resources with that army job so

965

00:54:18,920 --> 00:54:16,050

the army headquarters in Germany had the

966

00:54:20,660 --> 00:54:18,930

MPS out looking for Steve so she could

967

00:54:23,840 --> 00:54:20,670

say hey I got this kind of neat job is

968

00:54:25,160 --> 00:54:23,850

it alright you we go do this and anyhow

969

00:54:30,859 --> 00:54:25,170

they didn't get to him in time so she

970

00:54:33,890 --> 00:54:30,869

accepted anyhow she she arrived in

971

00:54:35,300 --> 00:54:33,900

Houston without Steve because he was

972

00:54:37,790 --> 00:54:35,310

still professor at the University of

973

00:54:40,460 --> 00:54:37,800

Virginia and continued to be that

974

00:54:42,080 --> 00:54:40,470

throughout her career but she did have a

975

00:54:43,790 --> 00:54:42,090

Carol one of her daughters with her at

976

00:54:45,670 --> 00:54:43,800

that point in time and came into the

977

00:54:48,800 --> 00:54:45,680

astronaut office in the class of 84

978

00:54:52,040 --> 00:54:48,810

which is kind of a famous class so they

979

00:54:53,780 --> 00:54:52,050

their nickname were the maggots and it's

980

00:54:56,540 --> 00:54:53,790

long stories and a lot of stories

981

00:54:58,370 --> 00:54:56,550

associated with that so you can corner

982

00:55:00,560 --> 00:54:58,380

her later and find out about about all

983

00:55:02,900 --> 00:55:00,570

that after she finished the astronaut

984

00:55:05,359 --> 00:55:02,910

candidate training they decided to

985

00:55:08,359 --> 00:55:05,369

increase their family and and laura was

986

00:55:11,060 --> 00:55:08,369

born and then later she got assigned to

987

00:55:13,370 --> 00:55:11,070

STS 33 and and through that and we'll

988

00:55:15,260 --> 00:55:13,380

talk a little about that later but after

989

00:55:17,030 --> 00:55:15,270

that they decided to increase the family

990

00:55:19,940 --> 00:55:17,040

little bit more and Susan was born and

991

00:55:21,800 --> 00:55:19,950

all this time still retaining and doing

992

00:55:25,460 --> 00:55:21,810

the responsibilities of her job in the

993

00:55:27,290 --> 00:55:25,470

astronaut office katie is is you know it

994

00:55:29,510 --> 00:55:27,300

was a really smart person she kind of

995

00:55:33,800 --> 00:55:29,520

quiet and unassuming but could be very

996

00:55:37,340 --> 00:55:33,810

assertive if was required there's a

997

00:55:39,770 --> 00:55:37,350

chuckle from her family over there she's

998

00:55:42,260 --> 00:55:39,780

she's not she's not real big on protocol

999

00:55:44,840 --> 00:55:42,270

she's just interested in getting the job

1000

00:55:46,910 --> 00:55:44,850

done we'll talk a little bit about some

1001
00:55:49,099 --> 00:55:46,920
of the flight experiences mentioned

1002
00:55:50,270 --> 00:55:49,109
previously STS 33 was a classified

1003
00:55:53,570 --> 00:55:50,280
mission so obviously there not many

1004
00:55:55,220 --> 00:55:53,580
stories about that one I did lean from

1005
00:55:57,530 --> 00:55:55,230
him because wasn't classified apparently

1006
00:55:59,720 --> 00:55:57,540
during reentry the the commander and the

1007
00:56:02,750 --> 00:55:59,730
pilot were having some discussion back

1008
00:56:05,720 --> 00:56:02,760
and forth on some subject and and Katie

1009
00:56:06,800 --> 00:56:05,730
on that for entry was on the mid-deck so

1010
00:56:08,300 --> 00:56:06,810
you couldn't see what was going on all

1011
00:56:11,750 --> 00:56:08,310
she heard was coming across the intercom

1012
00:56:14,870 --> 00:56:11,760
and her response was just make up your

1013
00:56:18,470 --> 00:56:14,880

mind and do it once again that's her get

1014

00:56:20,570 --> 00:56:18,480

it done philosophy then when I had the

1015

00:56:22,970 --> 00:56:20,580

opportunity to fly with with Katie was

1016

00:56:24,680 --> 00:56:22,980

on sts-49 that's what we were supposed

1017

00:56:26,630 --> 00:56:24,690

to go up and do one spacewalk and then

1018

00:56:30,020 --> 00:56:26,640

rescue it'll sad satellite and then do

1019

00:56:33,650 --> 00:56:30,030

three spacewalks to demonstrate space

1020

00:56:35,780 --> 00:56:33,660

station assembly tasks well as you all

1021

00:56:38,300 --> 00:56:35,790

know it didn't quite go that way but

1022

00:56:41,210 --> 00:56:38,310

anyhow by that time there were three

1023

00:56:42,830 --> 00:56:41,220

daughters that Katie was I was hurting

1024

00:56:46,130 --> 00:56:42,840

around her home though they're very

1025

00:56:48,140 --> 00:56:46,140

energetic and adventuresome and one of

1026
00:56:49,670 --> 00:56:48,150
the favorite things for the SDS 49 crew

1027
00:56:52,160 --> 00:56:49,680
where every morning and the training

1028
00:56:55,940 --> 00:56:52,170
session to come in and hear the stories

1029
00:56:58,070 --> 00:56:55,950
of what the younger Thorntons were doing

1030
00:57:00,440 --> 00:56:58,080
in their adventures throughout their

1031
00:57:03,380 --> 00:57:00,450
neighborhood such as walking along

1032
00:57:05,990 --> 00:57:03,390
fences raising various chaos in the

1033
00:57:08,180 --> 00:57:06,000
neighborhood and going so far as writing

1034
00:57:12,500 --> 00:57:08,190
their own excuse notes to their teacher

1035
00:57:15,290 --> 00:57:12,510
to miss classes I think some of this get

1036
00:57:18,410 --> 00:57:15,300
had done philosophy of hers got passed

1037
00:57:20,359 --> 00:57:18,420
on to her kids also we noticed that

1038
00:57:22,970 --> 00:57:20,369

based on those stories about her

1039

00:57:24,740 --> 00:57:22,980

youngsters that the apples probably

1040

00:57:27,050 --> 00:57:24,750

didn't fall very far from the tree

1041

00:57:29,870 --> 00:57:27,060

because there were a lot of similar

1042

00:57:32,210 --> 00:57:29,880

stories about Katie from the her college

1043

00:57:33,590 --> 00:57:32,220

days and their NASA days don't have time

1044

00:57:35,450 --> 00:57:33,600

for a lot of those but one of the most

1045

00:57:38,150 --> 00:57:35,460

memorable ones for our training sessions

1046

00:57:40,820 --> 00:57:38,160

we were down here as a crew for sts-49

1047

00:57:42,830 --> 00:57:40,830

training on escape and rescue you know

1048

00:57:44,390 --> 00:57:42,840

the you go up in mandevilla cone you and

1049

00:57:46,370 --> 00:57:44,400

if you have a big emergency jump in a

1050

00:57:48,470 --> 00:57:46,380

basket slide down a wire you hop in a

1051
00:57:50,930 --> 00:57:48,480
tank and you drive this tank and no

1052
00:57:52,910 --> 00:57:50,940
Katie really really grooved on driving

1053
00:57:57,320 --> 00:57:52,920
that tank it was big armored personnel

1054
00:57:59,900 --> 00:57:57,330
carrier but but the fire rescue guys had

1055
00:58:02,740 --> 00:57:59,910
a new vehicle they were kind of testing

1056
00:58:06,590 --> 00:58:02,750
it out it was an amphibious vehicle and

1057
00:58:08,180 --> 00:58:06,600
they let Katie drive it and she went

1058
00:58:09,349 --> 00:58:08,190
through the swamp through the I mean she

1059
00:58:12,590 --> 00:58:09,359
was testing all the amphibious

1060
00:58:13,940 --> 00:58:12,600
capabilities of this vehicle as she went

1061
00:58:18,349 --> 00:58:13,950
too close to a limb took off the

1062
00:58:19,250 --> 00:58:18,359
windshield and I'm sure that while you

1063
00:58:20,570 --> 00:58:19,260

can see it's a look

1064

00:58:22,340 --> 00:58:20,580

the eye the fire and rescue guys you

1065

00:58:23,660 --> 00:58:22,350

know you know they were terrified the

1066

00:58:26,480 --> 00:58:23,670

rest of the crew riding along were

1067

00:58:27,650 --> 00:58:26,490

terrified and I'm not sure I'd be

1068

00:58:29,240 --> 00:58:27,660

willing to bet that the fire rescue

1069

00:58:32,420 --> 00:58:29,250

could never let another crew person

1070

00:58:35,240 --> 00:58:32,430

drive that vehicle during the mission

1071

00:58:37,490 --> 00:58:35,250

sts-49 as I said we had it took us three

1072

00:58:40,700 --> 00:58:37,500

tries to get the satellite we had three

1073

00:58:42,140 --> 00:58:40,710

guys out doing a spacewalk and Cathy we

1074

00:58:44,600 --> 00:58:42,150

referred to hers that the director of

1075

00:58:45,710 --> 00:58:44,610

evey a because when somebody's out doing

1076
00:58:47,750 --> 00:58:45,720
a spacewalk you have somebody inside

1077
00:58:48,830 --> 00:58:47,760
that's really riding herd on and make

1078
00:58:51,710 --> 00:58:48,840
sure they're doing everything in the

1079
00:58:53,030 --> 00:58:51,720
right sequence and and once again that a

1080
00:58:55,130 --> 00:58:53,040
service and get it done

1081
00:58:57,560 --> 00:58:55,140
came through because she was on top of

1082
00:58:59,900 --> 00:58:57,570
him the whole time unfortunately on the

1083
00:59:02,150 --> 00:58:59,910
fourth spacewalk Katie got the her

1084
00:59:04,880 --> 00:59:02,160
chance and that was some of the assembly

1085
00:59:09,140 --> 00:59:04,890
tasks of anyone were wrong and difficult

1086
00:59:11,120 --> 00:59:09,150
tasks really hard work and we had you

1087
00:59:13,400 --> 00:59:11,130
know they had a heart rate monitor so I

1088
00:59:15,350 --> 00:59:13,410

could verify that that she was going

1089

00:59:18,110 --> 00:59:15,360

beat for beat with Tom Akers who was the

1090

00:59:21,740 --> 00:59:18,120

other person doing an e VA and really

1091

00:59:24,350 --> 00:59:21,750

did an outstanding job and when you were

1092

00:59:26,300 --> 00:59:24,360

out on the as we call it a rubber

1093

00:59:28,760 --> 00:59:26,310

chicken circuit you're talking laughs

1094

00:59:31,100 --> 00:59:28,770

and I gotta ask what can women do that

1095

00:59:34,100 --> 00:59:31,110

space stuff and I always should point to

1096

00:59:36,170 --> 00:59:34,110

Katie and based on that performance on

1097

00:59:38,720 --> 00:59:36,180

that spacewalk I said you bet they can

1098

00:59:41,810 --> 00:59:38,730

and then some following that her next

1099

00:59:43,520 --> 00:59:41,820

mission was sts-61 the Hubble repair she

1100

00:59:46,550 --> 00:59:43,530

had an opportunity to do two spacewalks

1101
00:59:48,170 --> 00:59:46,560
on that she repaired and replaced the

1102
00:59:51,200 --> 00:59:48,180
solar arrays and also installed the

1103
00:59:52,340 --> 00:59:51,210
co-star which is corrected the optics of

1104
00:59:53,900 --> 00:59:52,350
the Hubble remembered Hubble went up

1105
00:59:56,240 --> 00:59:53,910
with a problem and they had to correct

1106
00:59:57,530 --> 00:59:56,250
the optics one of her tasks was to take

1107
00:59:59,950 --> 00:59:57,540
what she took the solar array off to

1108
01:00:02,630 --> 00:59:59,960
take the solar array just chuck it and

1109
01:00:04,880 --> 01:00:02,640
ask her about well you know what did it

1110
01:00:07,790 --> 01:00:04,890
feel like tossing a multi-million dollar

1111
01:00:11,900 --> 01:00:07,800
solar array away sure no problem it was

1112
01:00:14,030 --> 01:00:11,910
broke so along with along with the the

1113
01:00:16,340 --> 01:00:14,040

to EBA is that Katie and Tom Akers did

1114

01:00:18,620 --> 01:00:16,350

there were three done by by Jeff Hoffman

1115

01:00:21,290 --> 01:00:18,630

and story members of our Hall of Fame

1116

01:00:23,780 --> 01:00:21,300

and obviously the result of that mission

1117

01:00:26,450 --> 01:00:23,790

was a tremendous success her last

1118

01:00:28,010 --> 01:00:26,460

mission she was was a space of that

1119

01:00:29,780 --> 01:00:28,020

mission it was a six-day mission to

1120

01:00:32,330 --> 01:00:29,790

shift operations essentially working

1121

01:00:32,990 --> 01:00:32,340

around the clock and she was the payload

1122

01:00:35,390 --> 01:00:33,000

command

1123

01:00:36,800 --> 01:00:35,400

on that she was responsible for pulling

1124

01:00:38,060 --> 01:00:36,810

all experiments together and getting

1125

01:00:40,400 --> 01:00:38,070

everything lined up so went smoothly

1126

01:00:42,770 --> 01:00:40,410

on-orbit there were a vast array of

1127

01:00:46,099 --> 01:00:42,780

microgravity experiments on that mission

1128

01:00:47,810 --> 01:00:46,109

and she planned it and and got the rest

1129

01:00:50,210 --> 01:00:47,820

of the crew lined up and an exceedingly

1130

01:00:53,300 --> 01:00:50,220

good job that dedication and hard work

1131

01:00:56,060 --> 01:00:53,310

carried through to up on orbit and the

1132

01:00:58,849 --> 01:00:56,070

result was a very successful mission in

1133

01:01:01,640 --> 01:00:58,859

1996 Katie left the astronaut office

1134

01:01:04,010 --> 01:01:01,650

return to academia but she continues to

1135

01:01:07,700 --> 01:01:04,020

serve the space program when called on

1136

01:01:10,160 --> 01:01:07,710

various review boards and councils her

1137

01:01:16,730 --> 01:01:10,170

family is with here today her husband

1138

01:01:19,280 --> 01:01:16,740

Steve and daughter Carol where's Carol

1139

01:01:22,730 --> 01:01:19,290

and as sitting this and careless Mike

1140

01:01:25,880 --> 01:01:22,740

her fiance there's a wedding next Sunday

1141

01:01:27,200 --> 01:01:25,890

bye though those two are getting married

1142

01:01:33,320 --> 01:01:27,210

was really neat though and then Laura

1143

01:01:36,530 --> 01:01:33,330

and and then you're gonna Susan Susan so

1144

01:01:38,750 --> 01:01:36,540

it's I'm not sure who wrote the notes to

1145

01:01:42,079 --> 01:01:38,760

the teacher but it was one of those

1146

01:01:44,540 --> 01:01:42,089

three okay well to wrap it up you know

1147

01:01:47,500 --> 01:01:44,550

the acid up job is a very high intensity

1148

01:01:49,820 --> 01:01:47,510

stressful job with all the training

1149

01:01:52,190 --> 01:01:49,830

research and development mission support

1150

01:01:54,320 --> 01:01:52,200

and public appearances that are required

1151
01:01:57,650 --> 01:01:54,330
and you can ask any of the guys how

1152
01:01:59,540 --> 01:01:57,660
tough the job is but but to do all this

1153
01:02:01,490 --> 01:01:59,550
while raising three daughters and

1154
01:02:04,280 --> 01:02:01,500
maintaining a household is truly

1155
01:02:06,020 --> 01:02:04,290
phenomenal ladies and gentlemen I'd like

1156
01:02:36,480 --> 01:02:06,030
to introduce the newest member of the

1157
01:02:41,950 --> 01:02:40,120
thank you well I have to say that there

1158
01:02:43,330 --> 01:02:41,960
are some members and members of the

1159
01:02:44,920 --> 01:02:43,340
audience who have some stories from my

1160
01:02:47,260 --> 01:02:44,930
childhood here but I'm glad you didn't

1161
01:02:49,930 --> 01:02:47,270
run into them in time to get any

1162
01:02:51,940 --> 01:02:49,940
information yeah unlike guy I've not

1163
01:02:54,280 --> 01:02:51,950

really had a life's plan my my career

1164

01:02:56,920 --> 01:02:54,290

sort of been a random walk and I'll uh

1165

01:02:59,290 --> 01:02:56,930

oh you know a lot of what I haven't have

1166

01:03:01,150 --> 01:02:59,300

done to opportunities that came along

1167

01:03:03,520 --> 01:03:01,160

and people who made those opportunities

1168

01:03:05,490 --> 01:03:03,530

possible you know first of all my family

1169

01:03:08,160 --> 01:03:05,500

who's been with me through this entire

1170

01:03:11,110 --> 01:03:08,170

incredible journey today we had a

1171

01:03:14,470 --> 01:03:11,120

unforgettable tour of the of it of

1172

01:03:17,710 --> 01:03:14,480

endeavor in the OPF and thank you for

1173

01:03:19,720 --> 01:03:17,720

that Bob my family got to see for the

1174

01:03:21,190 --> 01:03:19,730

first time real flight Hardware even

1175

01:03:23,860 --> 01:03:21,200

though that this has been very much a

1176

01:03:26,260 --> 01:03:23,870

part of their entire lives for for many

1177

01:03:28,060 --> 01:03:26,270

years and I hope got to understand why

1178

01:03:30,790 --> 01:03:28,070

it took me away from them for so much

1179

01:03:33,700 --> 01:03:30,800

time my husband Steve and I have been

1180

01:03:35,920 --> 01:03:33,710

married 31 years last month we got

1181

01:03:38,020 --> 01:03:35,930

married in a very small private civil

1182

01:03:39,430 --> 01:03:38,030

ceremony by the sheriff in

1183

01:03:43,510 --> 01:03:39,440

Charlottesville Virginia wearing a gun

1184

01:03:44,920 --> 01:03:43,520

by the way and but you know when when we

1185

01:03:46,720 --> 01:03:44,930

walked through the read down the red

1186

01:03:48,100 --> 01:03:46,730

carpet last night at the gala I think

1187

01:03:51,250 --> 01:03:48,110

that's the first time he has ever walked

1188

01:03:55,960 --> 01:03:51,260

down an aisle with me I say it's about

1189

01:03:57,390 --> 01:03:55,970

time so they know all my thanks to them

1190

01:04:00,100 --> 01:03:57,400

for staying with me through all this

1191

01:04:02,320 --> 01:04:00,110

thanks especially to Dan who has chief

1192

01:04:04,690 --> 01:04:02,330

of the astronaut office and as commander

1193

01:04:07,930 --> 01:04:04,700

and sts-49 gave me an opportunity to do

1194

01:04:09,850 --> 01:04:07,940

a spacewalk that would have been an

1195

01:04:12,310 --> 01:04:09,860

easier decision to give to someone who

1196

01:04:14,020 --> 01:04:12,320

is less vertically challenged than I but

1197

01:04:16,330 --> 01:04:14,030

he took a chance on me and I'll forever

1198

01:04:18,430 --> 01:04:16,340

be grateful for that I'm also thankful

1199

01:04:20,020 --> 01:04:18,440

to all the guys that I flew with and I

1200

01:04:23,890 --> 01:04:20,030

say guys because with the exception of

1201

01:04:26,359 --> 01:04:23,900

one they were all guys see John and Jeff

1202

01:04:29,630 --> 01:04:26,369

and story and cubby and day

1203

01:04:32,779 --> 01:04:29,640

and it sucks yeah we all flew together

1204

01:04:35,630 --> 01:04:32,789

they kindly vacated the mid-deck where I

1205

01:04:37,249 --> 01:04:35,640

could bathe and dress they also took

1206

01:04:39,199 --> 01:04:37,259

over the mid-deck and banished me to the

1207

01:04:40,670 --> 01:04:39,209

flight tech while they dressed and then

1208

01:04:43,309 --> 01:04:40,680

forgot about me while they had their

1209

01:04:45,799 --> 01:04:43,319

breakfast and left me up there alone for

1210

01:04:47,329 --> 01:04:45,809

long periods of time but they were they

1211

01:04:49,400 --> 01:04:47,339

were wonderful guys to work with and I

1212

01:04:50,599 --> 01:04:49,410

couldn't have asked for better friends

1213

01:04:53,209 --> 01:04:50,609

and colleagues through all those

1214

01:04:55,009 --> 01:04:53,219

missions and I want to finally thank the

1215

01:04:56,839 --> 01:04:55,019

astronaut Hall of Fame members here for

1216

01:05:00,079 --> 01:04:56,849

letting me be a member of your amazing

1217

01:05:01,670 --> 01:05:00,089

Club and I hope that I can live up to to

1218

01:05:12,350 --> 01:05:01,680

the expectations so thank you all so

1219

01:05:16,800 --> 01:05:14,430

congratulations Kathy Thornton and

1220

01:05:21,510 --> 01:05:16,810

welcome to the u.s. astronaut Hall of

1221

01:05:24,870 --> 01:05:21,520

Fame our next inductee today is Frank

1222

01:05:28,470 --> 01:05:24,880

Culbertson jr. Culbertson joined the

1223

01:05:31,080 --> 01:05:28,480

astronaut corps in 1984 in November 1990

1224

01:05:33,300 --> 01:05:31,090

he piloted STS 38 the first shuttle to

1225

01:05:36,780 --> 01:05:33,310

land at Kennedy Space Center since 1985

1226

01:05:38,720 --> 01:05:36,790

he then commanded STS 51 which concluded

1227

01:05:40,800 --> 01:05:38,730

with the first night landing at KSC

1228

01:05:43,500 --> 01:05:40,810

Culbertson commanded the International

1229

01:05:46,530 --> 01:05:43,510

Space Station for 117 days during his

1230

01:05:48,150 --> 01:05:46,540

final mission on sts-1 o-5 Culbertson

1231

01:05:50,160 --> 01:05:48,160

served in many NASA leadership roles

1232

01:05:52,470 --> 01:05:50,170

including including deputy chief of

1233

01:05:54,690 --> 01:05:52,480

flight crew operations ISS support chief

1234

01:05:57,270 --> 01:05:54,700

of chief of astronaut office mission

1235

01:05:59,970 --> 01:05:57,280

support branch chief of the JSC Russian

1236

01:06:03,750 --> 01:05:59,980

projects manager oh wait manager of the

1237

01:06:07,410 --> 01:06:03,760

shuttle-mir program and finally as ISS

1238

01:06:09,600 --> 01:06:07,420

deputy program manager currently he is

1239

01:06:11,670 --> 01:06:09,610

senior vice president and deputy general

1240

01:06:13,590 --> 01:06:11,680

manager of the advanced programs group

1241

01:06:15,450 --> 01:06:13,600

at orbital sciences corporation and

1242

01:06:17,340 --> 01:06:15,460

oversees all human spaceflight for the

1243

01:07:51,540 --> 01:06:17,350

company let's take a look at some video

1244

01:08:16,549 --> 01:07:54,160

ladies and gentlemen astronaut Frank

1245

01:08:21,979 --> 01:08:20,329

and here to present Frank Culbertson jr.

1246

01:08:24,289 --> 01:08:21,989

for induction into the u.s. astronaut

1247

01:08:26,209 --> 01:08:24,299

Hall of Fame please welcome back to the

1248

01:08:29,660 --> 01:08:26,219

stage Hall of Fame astronaut and NASA

1249

01:08:33,859 --> 01:08:29,670

Administrator Charles Bolden John thank

1250

01:08:35,870 --> 01:08:33,869

you very much and you know it's I am

1251

01:08:39,079 --> 01:08:35,880

going to try not to talk about Frank's

1252

01:08:40,579 --> 01:08:39,089

professional acumen and all of his

1253

01:08:43,399 --> 01:08:40,589

records and everything because you've

1254

01:08:44,959 --> 01:08:43,409

already heard many of them I really want

1255

01:08:46,640 --> 01:08:44,969

to talk a little bit about the man but

1256

01:08:49,910 --> 01:08:46,650

let me say one thing about this class

1257

01:08:51,769 --> 01:08:49,920

because I think it's incredible one of

1258

01:08:54,019 --> 01:08:51,779

the things that is striking to me is

1259

01:08:56,569 --> 01:08:54,029

that in addition to their professional

1260

01:08:59,059 --> 01:08:56,579

proress they are probably four of the

1261

01:09:00,439 --> 01:08:59,069

most spectacular just downright good

1262

01:09:02,990 --> 01:09:00,449

human beings that I had an opportunity

1263

01:09:04,879 --> 01:09:03,000

to to get to know in my time in the

1264

01:09:07,339 --> 01:09:04,889

astronaut office so congratulations to

1265

01:09:09,079 --> 01:09:07,349

the four of you you know what a little I

1266

01:09:13,189 --> 01:09:09,089

don't know how rare it is to have two

1267

01:09:15,649 --> 01:09:13,199

Hall of Famers soon who are connected

1268

01:09:17,019 --> 01:09:15,659

through two generations but such as the

1269

01:09:19,099 --> 01:09:17,029

case with Frank Culbertson to me

1270

01:09:21,140 --> 01:09:19,109

unbeknownst to either of us while we

1271

01:09:22,519 --> 01:09:21,150

were high school students our mothers

1272

01:09:24,289 --> 01:09:22,529

work together as members of the South

1273

01:09:27,229 --> 01:09:24,299

Carolina human relations council during

1274

01:09:29,149 --> 01:09:27,239

the 1960s in an effort to head off the

1275

01:09:31,010 --> 01:09:29,159

kind of violent activities of the civil

1276

01:09:33,200 --> 01:09:31,020

rights era that was sweeping through the

1277

01:09:34,789 --> 01:09:33,210

segregated south as a first year

1278

01:09:37,309 --> 01:09:34,799

Midshipmen at the Naval Academy I

1279

01:09:39,579 --> 01:09:37,319

visited Frank's school Holly Hill high

1280

01:09:41,919 --> 01:09:39,589

to talk about life at the Naval Academy

1281

01:09:44,450 --> 01:09:41,929

three aha

1282

01:09:46,099 --> 01:09:44,460

three years later Frank arrived at the

1283

01:09:49,910 --> 01:09:46,109

Naval Academy as a member of the class

1284

01:09:52,189 --> 01:09:49,920

of 1971 since then we've been following

1285

01:09:55,250 --> 01:09:52,199

each other around in our professional

1286

01:09:57,830 --> 01:09:55,260

careers the stories of Frank's rise from

1287

01:09:58,700 --> 01:09:57,840

student to astronaut and now industrial

1288

01:10:01,430 --> 01:09:58,710

leader and innovator

1289

01:10:05,180 --> 01:10:01,440

full of humor in spite of Frank's always

1290

01:10:07,430 --> 01:10:05,190

serious demeanor cousin Janet and I

1291

01:10:10,520 --> 01:10:07,440

think Janet's here I know Janet is I

1292

01:10:13,700 --> 01:10:10,530

think but cousin Janet told of how the

1293

01:10:15,799 --> 01:10:13,710

family always quote marveled but were

1294

01:10:18,560 --> 01:10:15,809

never surprised by his singular path

1295

01:10:21,439 --> 01:10:18,570

from Holly Hill to Annapolis to Japan

1296

01:10:23,240 --> 01:10:21,449

into space her pride when they drive

1297

01:10:26,180 --> 01:10:23,250

through the Frank Culbertson interchange

1298

01:10:28,370 --> 01:10:26,190

on i-95 and i-26

1299

01:10:30,500 --> 01:10:28,380

in route from Shaw from Charleston South

1300

01:10:32,899 --> 01:10:30,510

Carolina to Charlotte North Carolina

1301

01:10:35,089 --> 01:10:32,909

always makes them proud all the time

1302

01:10:37,040 --> 01:10:35,099

that Frank broke his arm when he struck

1303

01:10:38,979 --> 01:10:37,050

Janet's brother on the head and ended up

1304

01:10:41,300 --> 01:10:38,989

getting the worst of it

1305

01:10:43,459 --> 01:10:41,310

Naval Academy classmate Frank Fuchs

1306

01:10:45,830 --> 01:10:43,469

reminisced about a Liberty four-way from

1307

01:10:49,010 --> 01:10:45,840

the Academy into DC I know you told me

1308

01:10:50,750 --> 01:10:49,020

not to remediate that's right but they

1309

01:10:54,620 --> 01:10:50,760

were in Frank's or as they called him

1310

01:10:57,709 --> 01:10:54,630

Kobe's car it was a British Hecht

1311

01:10:59,419 --> 01:10:57,719

hatchback and when they got to the bar

1312

01:11:02,000 --> 01:10:59,429

well when they got to the eating

1313

01:11:04,129 --> 01:11:02,010

establishment allegedly there was no

1314

01:11:06,740 --> 01:11:04,139

parking space so they decided to

1315

01:11:09,410 --> 01:11:06,750

physically lift the car up into a spot

1316

01:11:11,240 --> 01:11:09,420

in front of the DC watering hole only to

1317

01:11:14,140 --> 01:11:11,250

find that the car had become quite a bit

1318

01:11:17,149 --> 01:11:14,150

heavier after the evening of drinking

1319

01:11:19,939 --> 01:11:17,159

Frank's time with SIAC brought its share

1320

01:11:22,010 --> 01:11:19,949

of Frank Culbertson law also as Walt

1321

01:11:25,010 --> 01:11:22,020

Hammerstein relayed about Frank's United

1322

01:11:27,439 --> 01:11:25,020

Way team being quote unquote rewarded

1323

01:11:30,109 --> 01:11:27,449

for their superb fundraising performance

1324

01:11:31,939 --> 01:11:30,119

with a solo trumpet performance by Frank

1325

01:11:34,100 --> 01:11:31,949

Frank had been on the D&B

1326

01:11:36,109 --> 01:11:34,110

the drum and bugle corps at the Naval

1327

01:11:39,320 --> 01:11:36,119

Academy as a coronet player I guess they

1328

01:11:41,780 --> 01:11:39,330

were with the coulomb trumpet bugles all

1329

01:11:43,879 --> 01:11:41,790

right all realize that it was a good

1330

01:11:47,660 --> 01:11:43,889

thing that Frank had gone had become an

1331

01:11:50,600 --> 01:11:47,670

aviator because he never would have made

1332

01:11:53,000 --> 01:11:50,610

it as a professional musician Carl walls

1333

01:11:54,229 --> 01:11:53,010

Frank's Frank wants me to ask you one

1334

01:11:57,020 --> 01:11:54,239

thing and he says he wants to know if

1335

01:11:59,600 --> 01:11:57,030

you recall the flight day to ax toss pre

1336

01:12:02,060 --> 01:11:59,610

deploy discovery of the mangled ASE and

1337

01:12:03,770 --> 01:12:02,070

the obvious scorch marks on the MLI at

1338

01:12:05,600 --> 01:12:03,780

the back of the payload bay so he wanted

1339

01:12:08,030 --> 01:12:05,610

to remind you of one exploit from there

1340

01:12:10,879 --> 01:12:08,040

no matter what stories you hear however

1341

01:12:13,120 --> 01:12:10,889

in my estimation there is no question of

1342

01:12:15,500 --> 01:12:13,130

the quality of the man Frank Culbertson

1343

01:12:18,320 --> 01:12:15,510

being inducted into the astronaut Hall

1344

01:12:19,820 --> 01:12:18,330

of Fame today whether as a leader in his

1345

01:12:21,709 --> 01:12:19,830

church our church while we were in

1346

01:12:25,189 --> 01:12:21,719

Houston together and Katie's as a matter

1347

01:12:27,770 --> 01:12:25,199

of fact as a father to his children a

1348

01:12:29,930 --> 01:12:27,780

sibling to his sisters or a friend to

1349

01:12:32,899 --> 01:12:29,940

many whose lives he has touched he is

1350

01:12:35,689 --> 01:12:32,909

truly in a league of his own Jackie and

1351

01:12:37,790 --> 01:12:35,699

I are the proud godparents to Frank's

1352

01:12:40,280 --> 01:12:37,800

and Rebecca's son and daughter Frank and

1353

01:12:41,810 --> 01:12:40,290

Annie and we've watched the girls Wendy

1354

01:12:43,970 --> 01:12:41,820

Amanda and Ashley

1355

01:12:46,190 --> 01:12:43,980

grow up to become beautiful productive

1356

01:12:49,790 --> 01:12:46,200

young women Frank's friendship is

1357

01:12:52,070 --> 01:12:49,800

endless and loyal and his passion about

1358

01:12:53,810 --> 01:12:52,080

the future of human spaceflight and his

1359

01:12:56,000 --> 01:12:53,820

dedication to helping us realize the

1360

01:12:58,280 --> 01:12:56,010

promise of that bright future speak

1361

01:13:01,400 --> 01:12:58,290

volumes to his qualification to be with

1362

01:13:03,830 --> 01:13:01,410

us here today it's my distinct honor as

1363

01:13:06,920 --> 01:13:03,840

a fellow South Carolinian to represent

1364

01:13:38,109 --> 01:13:06,930

to present to you my dear lifelong

1365

01:13:43,669 --> 01:13:40,359

Thank You charlie

1366

01:13:47,330 --> 01:13:43,679

thank you all very much and this is an

1367

01:13:50,450 --> 01:13:47,340

amazing honor and I'd first like to

1368

01:13:53,750 --> 01:13:50,460

thank general Charles Bolden my buddy

1369

01:13:57,009 --> 01:13:53,760

Charlie for those kind words and for his

1370

01:13:59,450 --> 01:13:57,019

leadership my entire life almost and I

1371

01:14:01,040 --> 01:13:59,460

tell you I have to tell you Charlie I

1372

01:14:03,140 --> 01:14:01,050

think has the hardest job in the country

1373

01:14:06,290 --> 01:14:03,150

right now certainly in the space program

1374

01:14:09,680 --> 01:14:06,300

and he is executing that job with with

1375

01:14:12,470 --> 01:14:09,690

courage humility and calmness in a way

1376

01:14:15,799 --> 01:14:12,480

that we all can follow and trust and I

1377

01:14:17,180 --> 01:14:15,809

think will bring us to the future in a

1378

01:14:18,740 --> 01:14:17,190

way that we'll all be very proud and

1379

01:14:29,390 --> 01:14:18,750

Charlie thank you very much for being a

1380

01:14:32,270 --> 01:14:29,400

physician and yes I have followed

1381

01:14:34,069 --> 01:14:32,280

Charlie into many many jobs and careers

1382

01:14:37,700 --> 01:14:34,079

over the years and I am NOT eager to

1383

01:14:41,779 --> 01:14:37,710

follow you into that one believe me but

1384

01:14:43,430 --> 01:14:41,789

I'm happy to help all I can there's a

1385

01:14:45,640 --> 01:14:43,440

lot of people I need to thank today and

1386

01:14:48,560 --> 01:14:45,650

and I will do my best to do that

1387

01:14:50,390 --> 01:14:48,570

I'm still pretty surprised to have ever

1388

01:14:52,370 --> 01:14:50,400

been selected as an astronaut so to be

1389

01:14:57,049 --> 01:14:52,380

here as a part of the Hall of Fame to me

1390

01:14:58,729 --> 01:14:57,059

is just an amazing amazing miracle I've

1391

01:15:00,290 --> 01:14:58,739

always tried to do my best and tried to

1392

01:15:02,629 --> 01:15:00,300

be a great teammate or be a good

1393

01:15:04,910 --> 01:15:02,639

teammate with great teams and try to

1394

01:15:07,729 --> 01:15:04,920

contribute all I can to make sure that

1395

01:15:11,149 --> 01:15:07,739

that everyone is successful as best we

1396

01:15:12,680 --> 01:15:11,159

can be and and I've been fortunate to be

1397

01:15:19,310 --> 01:15:12,690

a part of a lot of really good teams

1398

01:15:20,899 --> 01:15:19,320

starting way back when and I knew if

1399

01:15:22,459 --> 01:15:20,909

Charlie cried a little bit I'd probably

1400

01:15:25,189 --> 01:15:22,469

cry a little bit too so it's gonna be

1401

01:15:27,109 --> 01:15:25,199

hard we're a lot of light but that first

1402

01:15:28,490 --> 01:15:27,119

team is sitting down there and in the

1403

01:15:30,500 --> 01:15:28,500

round the third and fourth rows and

1404

01:15:33,109 --> 01:15:30,510

that's my sisters and I want to thank

1405

01:15:35,540 --> 01:15:33,119

them for putting up with me and and for

1406

01:15:38,240 --> 01:15:35,550

being great sisters and we came from

1407

01:15:39,740 --> 01:15:38,250

really awesome parents who I really wish

1408

01:15:42,470 --> 01:15:39,750

could be here today they would be very

1409

01:15:43,669 --> 01:15:42,480

proud of all of us and and they were

1410

01:15:45,620 --> 01:15:43,679

great supporters of the space program

1411

01:15:47,500 --> 01:15:45,630

and and I know are smiling down on us

1412

01:15:49,760 --> 01:15:47,510

today

1413

01:15:51,800 --> 01:15:49,770

going through the Naval Academy I was a

1414

01:15:53,840 --> 01:15:51,810

part of a terrific company one of my

1415

01:15:56,500 --> 01:15:53,850

former roommate is here Frank Fuchs and

1416

01:15:58,970 --> 01:15:56,510

at least four of my classmates are here

1417

01:16:01,300 --> 01:15:58,980

to him up on the stage here I think

1418

01:16:04,070 --> 01:16:01,310

we're the second Academy class to reach

1419

01:16:08,300 --> 01:16:04,080

a membership of three in the Hall of

1420

01:16:10,520 --> 01:16:08,310

Fame and I think I'm very proud of that

1421

01:16:14,120 --> 01:16:10,530

and I really appreciate being a part of

1422

01:16:16,340 --> 01:16:14,130

that being a member of the Navy team

1423

01:16:18,770 --> 01:16:16,350

throughout my career was was something I

1424

01:16:22,010 --> 01:16:18,780

was also very proud of and and unlike

1425

01:16:24,200 --> 01:16:22,020

Kathy I did have a plan and I had

1426

01:16:26,690 --> 01:16:24,210

planned since I was 11 to be a Navy

1427

01:16:28,690 --> 01:16:26,700

pilot and since I was 12 to be a test

1428

01:16:31,520 --> 01:16:28,700

pilot since I was 13 to be an astronaut

1429

01:16:33,860 --> 01:16:31,530

now that was a long wait between the

1430

01:16:37,610 --> 01:16:33,870

time I had got selected and a lot of

1431

01:16:39,260 --> 01:16:37,620

potential side tracks and side trips but

1432

01:16:40,670 --> 01:16:39,270

I always wanted to do that and I wanted

1433

01:16:42,860 --> 01:16:40,680

to be like these guys on the front row

1434

01:16:44,120 --> 01:16:42,870

here and they were my heroes and I read

1435

01:16:46,190 --> 01:16:44,130

all about him and learned everything I

1436

01:16:51,320 --> 01:16:46,200

could a lot of me gone to the Naval

1437

01:16:53,750 --> 01:16:51,330

Academy sorry buzz but but I did want to

1438

01:16:55,670 --> 01:16:53,760

be a Navy pilot and and I knew that that

1439

01:16:57,560 --> 01:16:55,680

was a path for me that would get me to

1440

01:16:59,180 --> 01:16:57,570

at least close to my dream and if not

1441

01:17:01,550 --> 01:16:59,190

I'd be able to do things that I felt

1442

01:17:05,600 --> 01:17:01,560

would be productive and hopefully

1443

01:17:07,430 --> 01:17:05,610

valuable to the country as I went

1444

01:17:09,020 --> 01:17:07,440

through the my Navy career I had a

1445

01:17:10,730 --> 01:17:09,030

chance to serve with a lot of people I

1446

01:17:13,010 --> 01:17:10,740

applied to the test pilot school four

1447

01:17:15,200 --> 01:17:13,020

times and finally on the fourth try

1448

01:17:16,340 --> 01:17:15,210

after I think getting tired of me

1449

01:17:18,800 --> 01:17:16,350

applying they finally said all right you

1450

01:17:20,840 --> 01:17:18,810

can come in and I managed to get into

1451

01:17:23,330 --> 01:17:20,850

the class of 81 prior to that I had

1452

01:17:27,020 --> 01:17:23,340

applied to the astronaut program in the

1453

01:17:28,910 --> 01:17:27,030

same group that Charlie and and pinky

1454

01:17:30,910 --> 01:17:28,920

and others had applied to and was told

1455

01:17:33,380 --> 01:17:30,920

don't bother you're not a test pilot and

1456

01:17:35,120 --> 01:17:33,390

and so I kept trying to get in and was

1457

01:17:36,680 --> 01:17:35,130

determined that I was going to somehow

1458

01:17:40,390 --> 01:17:36,690

at least give myself the best shot at

1459

01:17:42,770 --> 01:17:40,400

doing that and fortunately in 1984 I was

1460

01:17:46,520 --> 01:17:42,780

selected for an interview in the very

1461

01:17:48,020 --> 01:17:46,530

last group and in that year and very

1462

01:17:52,850 --> 01:17:48,030

late in the process I got a phone call

1463

01:17:54,890 --> 01:17:52,860

from that same mr. Abbey and he said I

1464

01:17:56,930 --> 01:17:54,900

just come back from a air combat

1465

01:17:58,880 --> 01:17:56,940

training flight in the Navy f-14 and he

1466

01:18:00,260 --> 01:17:58,890

said how's it going Frank now first of

1467

01:18:02,360 --> 01:18:00,270

all I'm sorry it was a guy named Wayne

1468

01:18:04,130 --> 01:18:02,370

raus on the phone and Dwayne said hey

1469

01:18:05,840 --> 01:18:04,140

Frank how's it going and I was expecting

1470

01:18:08,150 --> 01:18:05,850

either John or George if I was gonna get

1471

01:18:09,260 --> 01:18:08,160

selected or Dwayne if I wasn't and I

1472

01:18:10,970 --> 01:18:09,270

said well I don't know Dwayne I guess

1473

01:18:13,190 --> 01:18:10,980

not so good he said well can you hold

1474

01:18:17,990 --> 01:18:13,200

for a second for mr. Abbey and I said

1475

01:18:19,280 --> 01:18:18,000

well sure and and and and George asked

1476

01:18:21,080 --> 01:18:19,290

me a couple of questions and they said

1477

01:18:22,400 --> 01:18:21,090

well you know we would really like to

1478

01:18:24,590 --> 01:18:22,410

think about coming down here to work for

1479

01:18:26,740 --> 01:18:24,600

us I was not as quick as Cathy and I

1480

01:18:28,760 --> 01:18:26,750

said oh yeah I'll be right there

1481

01:18:30,290 --> 01:18:28,770

should I said well I think about it a

1482

01:18:34,520 --> 01:18:30,300

little bit but he didn't own a house

1483

01:18:36,410 --> 01:18:34,530

line and and and being a member of the

1484

01:18:38,360 --> 01:18:36,420

maggots is a fantastic team that I'm

1485

01:18:41,930 --> 01:18:38,370

always proud of and and chef thanks for

1486

01:18:43,280 --> 01:18:41,940

awarding us with that name and Cathy

1487

01:18:48,350 --> 01:18:43,290

thanks for putting up with it until you

1488

01:18:53,060 --> 01:18:48,360

finally got used to it fantastic people

1489

01:18:54,560 --> 01:18:53,070

to work with throughout and you know the

1490

01:18:56,690 --> 01:18:54,570

thing about the the intersection in

1491

01:18:58,640 --> 01:18:56,700

South Carolina that Charlie mentioned

1492

01:19:02,090 --> 01:18:58,650

what he didn't mention is he's got about

1493

01:19:05,060 --> 01:19:02,100

11 miles of freeway that are in the

1494

01:19:08,390 --> 01:19:05,070

upper part of the state but but I am

1495

01:19:10,370 --> 01:19:08,400

proud to be a part from that state and a

1496

01:19:11,690 --> 01:19:10,380

friend of Charlie's and and there are a

1497

01:19:15,170 --> 01:19:11,700

number of us from South Carolina in the

1498

01:19:17,090 --> 01:19:15,180

program including Charlie Duke who set

1499

01:19:19,490 --> 01:19:17,100

an example for us in Ron McNair who also

1500

01:19:22,340 --> 01:19:19,500

set a fantastic example for us on the

1501

01:19:25,880 --> 01:19:22,350

Challenger so it's very humbling for me

1502

01:19:27,380 --> 01:19:25,890

to be be a part of that the team that I

1503

01:19:33,500 --> 01:19:27,390

do really have to thank the most though

1504

01:19:35,350 --> 01:19:33,510

is is Rebecca and the kids because all

1505

01:19:37,580 --> 01:19:35,360

of them did put up with a lot and

1506

01:19:40,850 --> 01:19:37,590

Rebecca and I've been been married for

1507

01:19:45,530 --> 01:19:40,860

almost 23 years she's sitting there

1508

01:19:48,290 --> 01:19:45,540

counting thinking is he right and and

1509

01:19:51,140 --> 01:19:48,300

and and she is has done a fantastic job

1510

01:19:54,500 --> 01:19:51,150

of raising all the kids that we have and

1511

01:19:56,210 --> 01:19:54,510

and all the grandkids and and and I set

1512

01:19:58,250 --> 01:19:56,220

an example that that we all love

1513

01:19:59,900 --> 01:19:58,260

following and has always stood beside me

1514

01:20:02,930 --> 01:19:59,910

even when I was gone almost all the time

1515

01:20:05,630 --> 01:20:02,940

or having to sit by myself and learn

1516

01:20:07,820 --> 01:20:05,640

Russian or waiting for airplanes or

1517

01:20:11,630 --> 01:20:07,830

waiting for me to not launch which

1518

01:20:12,860 --> 01:20:11,640

happened on STS 51 five times she had

1519

01:20:14,480 --> 01:20:12,870

the hardest job getting the kids to get

1520

01:20:16,550 --> 01:20:14,490

back on that Prop plane and eat those go

1521

01:20:18,890 --> 01:20:16,560

fish again to get back to Houston so we

1522

01:20:20,840 --> 01:20:18,900

could go back into quarantine again but

1523

01:20:22,670 --> 01:20:20,850

but she did a great job of keeping the

1524

01:20:24,860 --> 01:20:22,680

team together and helping organize and

1525

01:20:26,540 --> 01:20:24,870

and motivating everybody and keeping

1526

01:20:29,330 --> 01:20:26,550

them calm well I notice that she wasn't

1527

01:20:31,130 --> 01:20:29,340

always feeling so calm the toughest time

1528

01:20:34,220 --> 01:20:31,140

for Rebecca I think was on September the

1529

01:20:35,950 --> 01:20:34,230

11th 2001 I happened to be the commander

1530

01:20:38,330 --> 01:20:35,960

of the space station at that time and

1531

01:20:41,030 --> 01:20:38,340

she had to endure all of that without me

1532

01:20:42,470 --> 01:20:41,040

here and and help track down all the

1533

01:20:44,840 --> 01:20:42,480

kids and make sure everybody was alright

1534

01:20:46,400 --> 01:20:44,850

and then made the phone call to me with

1535

01:20:48,020 --> 01:20:46,410

the help of NASA to let me know she had

1536

01:20:52,010 --> 01:20:48,030

found everybody and everybody was okay

1537

01:20:53,270 --> 01:20:52,020

and and and knew what to do and and then

1538

01:20:54,830 --> 01:20:53,280

she had to endure three more months of

1539

01:20:56,330 --> 01:20:54,840

being me being gone while the country

1540

01:21:02,000 --> 01:20:56,340

was changing in the world was changing

1541

01:21:04,040 --> 01:21:02,010

my children I am so proud of they all

1542

01:21:09,950 --> 01:21:04,050

turned out pretty darn good despite me

1543

01:21:11,420 --> 01:21:09,960

and and I am just cannot tell you how

1544

01:21:13,250 --> 01:21:11,430

great it is to have all of you here and

1545

01:21:15,440 --> 01:21:13,260

all those children you're producing we

1546

01:21:18,380 --> 01:21:15,450

have five grandchildren the youngest is

1547

01:21:21,740 --> 01:21:18,390

11 days old and it made the trip here

1548

01:21:24,230 --> 01:21:21,750

and and only two of them are having kids

1549

01:21:28,100 --> 01:21:24,240

so far so I think we got more coming and

1550

01:21:29,840 --> 01:21:28,110

and I'm looking forward to that I really

1551

01:21:32,540 --> 01:21:29,850

want to thank the foundation I want to

1552

01:21:33,950 --> 01:21:32,550

thank the committee that selected us it

1553

01:21:35,000 --> 01:21:33,960

was probably like when they selected me

1554

01:21:36,380 --> 01:21:35,010

for the astronaut office there was

1555

01:21:38,360 --> 01:21:36,390

another guy with a long name they meant

1556

01:21:40,790 --> 01:21:38,370

to get but you know I came up first so I

1557

01:21:42,140 --> 01:21:40,800

managed to get in but this is a

1558

01:21:43,580 --> 01:21:42,150

tremendous honor for me I will do

1559

01:21:46,190 --> 01:21:43,590

everything I can to help the foundation

1560

01:21:47,840 --> 01:21:46,200

in the future and it's a real privilege

1561

01:21:49,820 --> 01:21:47,850

to be a member of this club

1562

01:21:51,710 --> 01:21:49,830

I've always felt privileged to serve the

1563

01:21:53,900 --> 01:21:51,720

country and to be a member of both the

1564

01:21:55,160 --> 01:21:53,910

military and the astronaut corps but

1565

01:21:57,530 --> 01:21:55,170

most of all to be a member of the NASA

1566

01:21:59,270 --> 01:21:57,540

team and the space community because we

1567

01:22:01,700 --> 01:21:59,280

have got one heck of a job ahead of us

1568

01:22:04,250 --> 01:22:01,710

and keeping the leadership of the United

1569

01:22:06,620 --> 01:22:04,260

States in space maintaining our

1570

01:22:08,090 --> 01:22:06,630

technological leadership by ensuring

1571

01:22:09,620 --> 01:22:08,100

that we are educating our children in

1572

01:22:11,660 --> 01:22:09,630

science technology engineering and math

1573

01:22:13,310 --> 01:22:11,670

and by setting the kind of examples of

1574

01:22:14,990 --> 01:22:13,320

leadership that the people up here set

1575

01:22:16,030 --> 01:22:15,000

so that our children know what to do

1576

01:22:19,270 --> 01:22:16,040

when they are in leadership positions

1577

01:22:22,100 --> 01:22:19,280

it's all about that it's all about

1578

01:22:23,390 --> 01:22:22,110

building a future for them and it's all

1579

01:22:25,120 --> 01:22:23,400

about having the courage to make the

1580

01:22:27,380 --> 01:22:25,130

hard decisions to make that happen and

1581

01:22:29,090 --> 01:22:27,390

and being willing to spend

1582

01:22:31,730 --> 01:22:29,100

resources on it and I think there's

1583

01:22:33,550 --> 01:22:31,740

nothing more important than moving the

1584

01:22:36,140 --> 01:22:33,560

frontiers further and further out and

1585

01:22:38,000 --> 01:22:36,150

this is the community that does it this

1586

01:22:40,250 --> 01:22:38,010

is the one that that takes the risk

1587

01:22:42,470 --> 01:22:40,260

whether you fly in space or you make the

1588

01:22:44,600 --> 01:22:42,480

decisions to fly into space or you put

1589

01:22:46,280 --> 01:22:44,610

the wrench to the bolt and tighten it to

1590

01:22:48,140 --> 01:22:46,290

just the right amount it takes a lot of

1591

01:22:50,900 --> 01:22:48,150

courage to do that right and then allow

1592

01:22:53,030 --> 01:22:50,910

somebody or help somebody get into that

1593

01:22:54,680 --> 01:22:53,040

seat and ride that rocket someday we're

1594

01:22:55,940 --> 01:22:54,690

going to go a long long way out into

1595

01:22:57,740 --> 01:22:55,950

space and it's going to get harder and

1596

01:22:59,570 --> 01:22:57,750

harder as we do that and it's going to

1597

01:23:02,630 --> 01:22:59,580

take this next generation following this

1598

01:23:04,850 --> 01:23:02,640

generation and the ones out here who are

1599

01:23:07,010 --> 01:23:04,860

setting a great example to keep that

1600

01:23:08,990 --> 01:23:07,020

going and we need to do that we

1601
01:23:11,000 --> 01:23:09,000
absolutely need to do that so again

1602
01:23:12,800 --> 01:23:11,010
charlie thank you for your leadership al

1603
01:23:14,950 --> 01:23:12,810
and your team thank you very much for

1604
01:23:17,900 --> 01:23:14,960
what you're doing and to the entire

1605
01:23:19,940 --> 01:23:17,910
astronaut Hall of Fame and astronaut

1606
01:23:29,109 --> 01:23:19,950
scholarship foundation thank you so much

1607
01:23:37,240 --> 01:23:31,910
congratulations Frank Culbertson jr. and

1608
01:23:43,910 --> 01:23:41,680
our final inductee today is Ken Bowersox

1609
01:23:45,919 --> 01:23:43,920
Bowersox piloted the precedent-setting

1610
01:23:48,770 --> 01:23:45,929
mission to the crippled hubble space

1611
01:23:50,720 --> 01:23:48,780
telescope in 1993 capturing and

1612
01:23:53,660 --> 01:23:50,730
restoring it to full capability through

1613
01:23:55,310 --> 01:23:53,670

a record five spacewalks he also served

1614

01:23:56,990 --> 01:23:55,320

as pilot aboard the first flight of the

1615

01:23:59,180 --> 01:23:57,000

United States microgravity laboratory

1616

01:24:01,970 --> 01:23:59,190

and the first extended duration orbiter

1617

01:24:03,560 --> 01:24:01,980

flight Bowersox flew three more Shuttle

1618

01:24:06,350 --> 01:24:03,570

missions commanding the laboratories

1619

01:24:07,790 --> 01:24:06,360

second flight four STS 73 and the second

1620

01:24:11,209 --> 01:24:07,800

Hubble Space Telescope maintenance

1621

01:24:12,979 --> 01:24:11,219

mission for STS 82 launching on STS 1 1

1622

01:24:15,890 --> 01:24:12,989

3 he lived aboard the International

1623

01:24:19,550 --> 01:24:15,900

Space Station from November 2002 through

1624

01:24:21,590 --> 01:24:19,560

May 2003 as commander of expedition 6

1625

01:24:23,300 --> 01:24:21,600

the first crew of US astronauts to

1626

01:24:26,540 --> 01:24:23,310

return to Earth in the Russian Soyuz

1627

01:24:28,100 --> 01:24:26,550

spacecraft currently he is SpaceX vice

1628

01:24:31,550 --> 01:24:28,110

president of astronaut safety and

1629

01:24:33,439 --> 01:24:31,560

mission assurance way to go can take a

1630

01:25:15,940 --> 01:24:33,449

look at some video highlights from his

1631

01:25:23,720 --> 01:25:21,740

well it was an exciting career while we

1632

01:25:26,810 --> 01:25:23,730

will reenact all of his launches right

1633

01:25:51,640 --> 01:25:26,820

now on stage come on kit ladies and

1634

01:25:56,620 --> 01:25:55,150

and here to present Ken Bowersox for

1635

01:25:59,410 --> 01:25:56,630

induction into the u.s. astronaut Hall

1636

01:26:09,430 --> 01:25:59,420

of Fame is Hall of Fame astronaut dick

1637

01:26:18,520 --> 01:26:09,440

cubby the only thing between 500 people

1638

01:26:20,050 --> 01:26:18,530

and a cold iced tea is me and socks well

1639

01:26:22,420 --> 01:26:20,060

we almost got to see all the great

1640

01:26:25,060 --> 01:26:22,430

accomplishments of Ken Bowersox on the

1641

01:26:26,290 --> 01:26:25,070

video but it it was four o'clock and I

1642

01:26:28,620 --> 01:26:26,300

think we were supposed to be done at

1643

01:26:33,370 --> 01:26:28,630

4:00 and somebody pulled the plug so

1644

01:26:35,170 --> 01:26:33,380

we're gonna get through this I'm gonna

1645

01:26:38,440 --> 01:26:35,180

try to put as accomplishments in

1646

01:26:41,500 --> 01:26:38,450

perspective though because if you peel

1647

01:26:43,980 --> 01:26:41,510

the onion just a little bit you find out

1648

01:26:49,120 --> 01:26:43,990

that socks is a man of many firsts and

1649

01:26:53,620 --> 01:26:49,130

seconds first socks is a member of the

1650

01:26:56,980 --> 01:26:53,630

xix the first member of the 1987 class

1651
01:27:00,370 --> 01:26:56,990
of astronauts now this class picked up

1652
01:27:01,750 --> 01:27:00,380
the nickname of the gaffers and former

1653
01:27:04,870 --> 01:27:01,760
astronaut friends who don't remember the

1654
01:27:09,310 --> 01:27:04,880
gaff and gaffer stande stood for George

1655
01:27:15,370 --> 01:27:09,320
Abbey's final 15 a lasting legacy

1656
01:27:18,490 --> 01:27:15,380
it is Sox has another first in fact it's

1657
01:27:21,850 --> 01:27:18,500
not just the first it's an only you know

1658
01:27:24,070 --> 01:27:21,860
most of the pilot astronauts wanted to

1659
01:27:27,580 --> 01:27:24,080
fly to space shuttle and command a

1660
01:27:30,160 --> 01:27:27,590
mission and be responsible for the crew

1661
01:27:31,930 --> 01:27:30,170
on orbit and land of thing and and do

1662
01:27:33,790 --> 01:27:31,940
all those piloting stuff but there was a

1663
01:27:36,670 --> 01:27:33,800

couple that actually then went on to

1664

01:27:40,060 --> 01:27:36,680

become Space Station commanders Frank

1665

01:27:40,630 --> 01:27:40,070

Culbertson was one Sox was the other but

1666

01:27:46,630 --> 01:27:40,640

Sox

1667

01:27:50,110 --> 01:27:46,640

space shuttle commander was able to do

1668

01:27:52,150 --> 01:27:50,120

and that was to finagle a space walk on

1669

01:27:54,190 --> 01:27:52,160

either a space shuttle or a space

1670

01:27:57,670 --> 01:27:54,200

station mission so I guess after

1671

01:27:59,980 --> 01:27:57,680

watching 10 spacewalks during his to

1672

01:28:01,990 --> 01:27:59,990

Hubble missions he decided this is

1673

01:28:04,960 --> 01:28:02,000

pretty easy I know how to do it

1674

01:28:05,950 --> 01:28:04,970

and must have thought that spending five

1675

01:28:08,230 --> 01:28:05,960

and a half months on the International

1676
01:28:13,450 --> 01:28:08,240
Space Station with Don Pettit was worth

1677
01:28:15,520 --> 01:28:13,460
a couple of spacewalks socks had the

1678
01:28:17,530 --> 01:28:15,530
misfortune of being on the International

1679
01:28:20,770 --> 01:28:17,540
Space Station when we lost Columbia and

1680
01:28:23,110 --> 01:28:20,780
her crew the subsequent grounding of the

1681
01:28:26,320 --> 01:28:23,120
space shuttle fleet took away his ride

1682
01:28:30,730 --> 01:28:26,330
home until the Russians offered up a

1683
01:28:33,610 --> 01:28:30,740
seat on a Soyuz so then Sox became one

1684
01:28:37,750 --> 01:28:33,620
of the first two US astronauts to return

1685
01:28:41,380 --> 01:28:37,760
to Earth on a Soyuz spacecraft the only

1686
01:28:45,370 --> 01:28:41,390
problem was that Sox didn't land where

1687
01:28:48,550 --> 01:28:45,380
he was supposed to and they got lost in

1688
01:28:51,310 --> 01:28:48,560

Kazakhstan but in the process of doing

1689

01:28:55,330 --> 01:28:51,320

that Sox introduced us to the now

1690

01:28:59,080 --> 01:28:55,340

infamous Soyuz ballistic entry another

1691

01:29:02,020 --> 01:28:59,090

first have you noticed that things come

1692

01:29:03,880 --> 01:29:02,030

in duplicates for Sox and you might not

1693

01:29:06,040 --> 01:29:03,890

seen this but peeling the onion a little

1694

01:29:08,110 --> 01:29:06,050

bit either he's really good at what he

1695

01:29:09,610 --> 01:29:08,120

does or the flight crew operations folks

1696

01:29:12,430 --> 01:29:09,620

making assignments wanted to make it

1697

01:29:16,560 --> 01:29:12,440

easy on him so I'll give you an example

1698

01:29:19,330 --> 01:29:16,570

his first commander was dick Richards

1699

01:29:20,110 --> 01:29:19,340

when assigned for a pretty quick turn to

1700

01:29:21,640 --> 01:29:20,120

another mission

1701

01:29:25,090 --> 01:29:21,650

they gave him another commander named

1702

01:29:29,800 --> 01:29:25,100

dick now I think he could have learned

1703

01:29:31,780 --> 01:29:29,810

another commanders name but then it

1704

01:29:33,430 --> 01:29:31,790

would have forever precluded him from

1705

01:29:35,680 --> 01:29:33,440

being able to say that he started his

1706

01:29:45,289 --> 01:29:35,690

astronaut career flying with a bunch of

1707

01:29:45,299 --> 01:29:49,579

right socks

1708

01:29:54,409 --> 01:29:51,379

now you look at the missions that he

1709

01:29:57,739 --> 01:29:54,419

flew the first one was the United States

1710

01:29:59,000 --> 01:29:57,749

microgravity laboratory one and he was

1711

01:30:02,719 --> 01:29:59,010

the pilot on that mission

1712

01:30:05,839 --> 01:30:02,729

his third mission was the United States

1713

01:30:08,239 --> 01:30:05,849

micro lab microgravity laboratory 2 and

1714

01:30:10,429 --> 01:30:08,249

he was the commander his second mission

1715

01:30:13,429 --> 01:30:10,439

he was pilot on the first Hubble

1716

01:30:15,319 --> 01:30:13,439

servicing mission his fourth mission he

1717

01:30:17,989 --> 01:30:15,329

was commander on the second Hubble

1718

01:30:23,899 --> 01:30:17,999

servicing mission come on socks where's

1719

01:30:25,579 --> 01:30:23,909

the challenge now there was something

1720

01:30:29,319 --> 01:30:25,589

that socks did for me that I'll be

1721

01:30:32,629 --> 01:30:29,329

forever grateful for for many years

1722

01:30:37,089 --> 01:30:32,639

Frank Culbertson and I and the crew of

1723

01:30:46,609 --> 01:30:42,799

at the Kennedy Space Center we landed

1724

01:30:50,540 --> 01:30:46,619

with three low level lights on and a lot

1725

01:30:53,599 --> 01:30:50,550

of well let's see a lot of entertaining

1726

01:30:55,309 --> 01:30:53,609

comments from our astronaut buddies well

1727

01:30:59,540 --> 01:30:55,319

when socks and his crew came down for

1728

01:31:01,699 --> 01:30:59,550

STS 82 they had 40 38 and they managed

1729

01:31:05,629 --> 01:31:01,709

to declare emergencies for all four of

1730

01:31:10,940 --> 01:31:05,639

them because I love you.thank socks so

1731

01:31:15,590 --> 01:31:13,250

for a navy guy Sox has an affinity for

1732

01:31:17,180 --> 01:31:15,600

the Air Force now you know if you look

1733

01:31:19,730 --> 01:31:17,190

at his bio and everything you know he

1734

01:31:21,350 --> 01:31:19,740

graduated from the Naval Academy he's

1735

01:31:25,280 --> 01:31:21,360

got a master's degree from Columbia

1736

01:31:28,730 --> 01:31:25,290

University he's not dumb but he couldn't

1737

01:31:31,640 --> 01:31:28,740

get into Navy TPS so the Navy sent him

1738

01:31:32,810 --> 01:31:31,650

to the Air Force test pilot school now

1739

01:31:34,550 --> 01:31:32,820

this is what I think is really

1740

01:31:37,370 --> 01:31:34,560

interesting he works for a company now

1741

01:31:41,630 --> 01:31:37,380

whose rockets are named after the Air

1742

01:31:43,670 --> 01:31:41,640

Force Academy mascot the Falcon I am

1743

01:31:45,380 --> 01:31:43,680

told there's no truth absolutely no

1744

01:31:48,110 --> 01:31:45,390

truth this story that sucks as a

1745

01:31:49,640 --> 01:31:48,120

condition of his SpaceX employment tried

1746

01:31:51,860 --> 01:31:49,650

to get Elon to change the name of the

1747

01:31:59,110 --> 01:31:51,870

rocket to build the goat the Naval

1748

01:32:01,820 --> 01:31:59,120

Academy mascot Sox's lasting

1749

01:32:03,950 --> 01:32:01,830

contribution to show business however

1750

01:32:07,030 --> 01:32:03,960

may be his greatest distinguishing

1751

01:32:09,830 --> 01:32:07,040

accomplishment amongst the astronauts a

1752

01:32:17,960 --> 01:32:09,840

hoot was almost smarter than a 5th

1753

01:32:24,810 --> 01:32:20,760

dan berry got voted off the island and

1754

01:32:27,450 --> 01:32:24,820

survivor and buzz a buzz

1755

01:32:36,750 --> 01:32:27,460

we admire you greatly for Dancing with

1756

01:32:41,670 --> 01:32:36,760

the Stars but socks is the astronaut

1757

01:32:43,830 --> 01:32:41,680

king of sitcom he made three guest

1758

01:32:46,040 --> 01:32:43,840

appearances on a tool time segment of

1759

01:32:48,690 --> 01:32:46,050

home improvement during the mid-1990s

1760

01:32:52,490 --> 01:32:48,700

each time he went with his shuttle crew

1761

01:32:54,930 --> 01:32:52,500

each time a hit show and I can almost

1762

01:32:57,420 --> 01:32:54,940

repeat his lines from the first time

1763

01:33:00,240 --> 01:32:57,430

because they were wonderful and done in

1764

01:33:03,510 --> 01:33:00,250

a style that I think even John would

1765

01:33:04,950 --> 01:33:03,520

have been proud of several years ago

1766

01:33:05,490 --> 01:33:04,960

some friends of mine were in Warsaw

1767

01:33:08,280 --> 01:33:05,500

Poland

1768

01:33:09,810 --> 01:33:08,290

and after returning to their hotel room

1769

01:33:13,440 --> 01:33:09,820

one day they found a rerun of home

1770

01:33:16,770 --> 01:33:13,450

improvement on polish TV it was a socks

1771

01:33:18,810 --> 01:33:16,780

episode when they got back to the states

1772

01:33:20,790 --> 01:33:18,820

they were eager to call me and tell me

1773

01:33:23,550 --> 01:33:20,800

that they thoroughly enjoyed watching my

1774

01:33:25,080 --> 01:33:23,560

friend on the rerun and all of the

1775

01:33:26,730 --> 01:33:25,090

astronauts shenanigans that he brought

1776

01:33:35,530 --> 01:33:26,740

to the show but they were most impressed

1777

01:33:40,010 --> 01:33:38,270

ladies and gentlemen I present the

1778

01:33:43,190 --> 01:33:40,020

newest member of the astronaut Hall of

1779

01:34:14,739 --> 01:33:43,200

Fame a man of many firsts and seconds my

1780

01:34:19,339 --> 01:34:18,109

thanks cubby for the introduction I used

1781

01:34:20,660 --> 01:34:19,349

to call him cubby when we were flying

1782

01:34:22,310 --> 01:34:20,670

together because I didn't want to call

1783

01:34:27,580 --> 01:34:22,320

him dick and confuse him with the other

1784

01:34:31,549 --> 01:34:27,590

guy but it was really great haven't you

1785

01:34:35,089 --> 01:34:31,559

introduced me today I learned a lot from

1786

01:34:36,859 --> 01:34:35,099

from cubby on sts-61 you all may

1787

01:34:39,560 --> 01:34:36,869

remember that there was a lot of

1788

01:34:41,479 --> 01:34:39,570

pressure on the whole NASA team prior to

1789

01:34:45,250 --> 01:34:41,489

that mission the Hubble Space Telescope

1790

01:34:47,839 --> 01:34:45,260

wasn't working as well as we all hoped

1791

01:34:49,370 --> 01:34:47,849

but it was still working pretty well and

1792

01:34:50,540 --> 01:34:49,380

there were a lot of people who were

1793

01:34:54,109 --> 01:34:50,550

worried we were going to make it worse

1794

01:34:56,330 --> 01:34:54,119

instead of better and so we went through

1795

01:34:59,719 --> 01:34:56,340

the training we got on orbit and as

1796

01:35:01,540 --> 01:34:59,729

we're on orbit the EDA crews outside and

1797

01:35:03,589 --> 01:35:01,550

Tom Akers is looking out the window

1798

01:35:06,049 --> 01:35:03,599

talking to the the folks while they're

1799

01:35:07,939 --> 01:35:06,059

working and claude nicollier is over on

1800

01:35:08,779 --> 01:35:07,949

the arm and Katie and I are doing our

1801

01:35:11,239 --> 01:35:08,789

thing

1802

01:35:14,089 --> 01:35:11,249

Akers mentions that cubby sure isn't

1803

01:35:16,669 --> 01:35:14,099

around very much he was down on the the

1804

01:35:18,890 --> 01:35:16,679

mid deck do another useful work that

1805

01:35:21,169 --> 01:35:18,900

needed to be done by the team and so

1806

01:35:23,299 --> 01:35:21,179

when he floated back upstairs we said

1807

01:35:27,109 --> 01:35:23,309

hey cubby this is a really important

1808

01:35:29,540 --> 01:35:27,119

mission you know you're you seem to be

1809

01:35:31,250 --> 01:35:29,550

awfully relaxed about it all he goes hey

1810

01:35:35,229 --> 01:35:31,260

man I'm retiring after this mission you

1811

01:35:43,219 --> 01:35:38,899

but but what I learned from that was a

1812

01:35:45,890 --> 01:35:43,229

great way to succeed as a leader and our

1813

01:35:48,950 --> 01:35:45,900

mission was very successful largely

1814

01:35:51,319 --> 01:35:48,960

because of Cubby's leadership is to

1815

01:35:53,450 --> 01:35:51,329

build your team build a good plan and

1816

01:35:54,739 --> 01:35:53,460

then turn your team loose to accomplish

1817

01:35:57,620 --> 01:35:54,749

the plan to get out of their way and let

1818

01:35:59,870 --> 01:35:57,630

them do their job and and and trust them

1819

01:36:04,759 --> 01:35:59,880

and and Covey did that and and and I'll

1820

01:36:07,489 --> 01:36:04,769

always remember that this is a great day

1821

01:36:09,589 --> 01:36:07,499

for me yesterday was a great day because

1822

01:36:19,580 --> 01:36:09,599

we got to launch a new rocket for the

1823

01:36:26,250 --> 01:36:22,640

and today I get this really neat metal

1824

01:36:29,310 --> 01:36:26,260

and I get to sit up here with folks that

1825

01:36:32,670 --> 01:36:29,320

taught me everything I know about space

1826

01:36:34,350 --> 01:36:32,680

exploration and and and folks that I

1827

01:36:38,220 --> 01:36:34,360

didn't get to work with in the astronaut

1828

01:36:41,010 --> 01:36:38,230

office but who inspired me when I was a

1829

01:36:42,210 --> 01:36:41,020

kid and even if I had never become an

1830

01:36:46,170 --> 01:36:42,220

astronaut which was something I always

1831

01:36:50,720 --> 01:36:46,180

wanted to do helped get me to study

1832

01:36:54,150 --> 01:36:50,730

science and technology in school and and

1833

01:36:58,260 --> 01:36:54,160

learn things that were very important

1834

01:37:00,840 --> 01:36:58,270

for accomplishing my dreams but the best

1835

01:37:02,490 --> 01:37:00,850

part of it all is to see the work that

1836

01:37:06,420 --> 01:37:02,500

these folks are still doing with the

1837

01:37:09,000 --> 01:37:06,430

astronaut scholarship foundation science

1838

01:37:12,780 --> 01:37:09,010

technology education is really important

1839

01:37:16,800 --> 01:37:12,790

for building the future leaders of our

1840

01:37:18,360 --> 01:37:16,810

exploration programs space exploration

1841

01:37:21,330 --> 01:37:18,370

is a team sport and you'll hear this a

1842

01:37:23,130 --> 01:37:21,340

lot very few people get to ride on the

1843

01:37:25,470 --> 01:37:23,140

vehicles that go into space and spend

1844

01:37:27,030 --> 01:37:25,480

time in space and there are thousands of

1845

01:37:29,400 --> 01:37:27,040

people that are required to make it

1846

01:37:32,490 --> 01:37:29,410

possible and without good strong Science

1847

01:37:34,890 --> 01:37:32,500

and Technology education in our country

1848

01:37:38,430 --> 01:37:34,900

space exploration will be something that

1849

01:37:39,990 --> 01:37:38,440

other countries do so it's great for me

1850

01:37:43,380 --> 01:37:40,000

to see what the astronaut Scholarship

1851

01:37:45,980 --> 01:37:43,390

Foundation does to to build our team and

1852

01:37:49,590 --> 01:37:45,990

make exploration possible in our country

1853

01:37:52,440 --> 01:37:49,600

in closing I just want to say thanks to

1854

01:37:54,990 --> 01:37:52,450

my family Annie and my boys Matt Tim and

1855

01:37:58,560 --> 01:37:55,000

Luke for all the support they've given

1856

01:38:00,270 --> 01:37:58,570

me over the years as I worked on a lot

1857

01:38:02,580 --> 01:38:00,280

of different missions in a lot of

1858

01:38:04,830 --> 01:38:02,590

different strange places and I want to

1859

01:38:16,429 --> 01:38:04,840

thank all of you for making this a great

1860

01:38:21,079 --> 01:38:19,169

congratulations Ken Bowersox and welcome

1861

01:38:23,520 --> 01:38:21,089

to the u.s. astronaut Hall of Fame

1862

01:38:26,520 --> 01:38:23,530

ladies and gentlemen I am proud to

1863

01:38:29,129 --> 01:38:26,530

present to you the class of 2010 u.s.

1864

01:38:31,770 --> 01:38:29,139

astronaut Hall of Fame inductees guy

1865

01:38:33,689 --> 01:38:31,780

Bluford junior Kathy Thornton Frank

1866

01:38:53,900 --> 01:38:33,699

Culbertson general junior and Ken

1867

01:39:12,989 --> 01:38:56,120

and all the members of the u.s.

1868

01:39:17,080 --> 01:39:15,429

well it has been my pleasure to be with

1869

01:39:18,850 --> 01:39:17,090

you guys today and on behalf of the

1870

01:39:20,709 --> 01:39:18,860

Kennedy Space Center Visitor Complex and

1871

01:39:22,810 --> 01:39:20,719

the astronaut a Scholarship Foundation

1872

01:39:24,939 --> 01:39:22,820

thank you for joining us for this

1873

01:39:26,589 --> 01:39:24,949

historic ceremony please remain standing