



1  
00:00:16,790 --> 00:00:14,709  
ladies and gentlemen

2  
00:00:18,870 --> 00:00:16,800  
thank you for joining us for the u.s

3  
00:00:21,830 --> 00:00:18,880  
astronaut hall of fame induction

4  
00:00:23,590 --> 00:00:21,840  
ceremony honoring our nation's space

5  
00:00:25,429 --> 00:00:23,600  
heroes

6  
00:00:28,150 --> 00:00:25,439  
please rise for the presentation of

7  
00:00:30,390 --> 00:00:28,160  
colors by titusville high school naval

8  
00:00:32,069 --> 00:00:30,400  
junior rotc

9  
00:00:34,150 --> 00:00:32,079  
followed by the national anthem

10  
00:00:45,350 --> 00:00:34,160  
performed by nasa's launch services

11  
00:00:45,360 --> 00:01:11,670  
oh

12  
00:01:16,390 --> 00:01:12,630  
can

13  
00:01:19,469 --> 00:01:17,950

by the

14

00:01:22,950 --> 00:01:19,479

dawn's

15

00:01:34,310 --> 00:01:22,960

early light

16

00:01:38,630 --> 00:01:36,069

me

17

00:01:52,710 --> 00:01:38,640

who's brought stripes

18

00:01:52,720 --> 00:02:03,270

we

19

00:02:17,110 --> 00:02:04,990

and the

20

00:02:23,830 --> 00:02:19,910

gave proof

21

00:02:25,309 --> 00:02:23,840

to the night

22

00:02:30,790 --> 00:02:25,319

that our

23

00:03:01,830 --> 00:02:33,110

oh say

24

00:03:01,840 --> 00:03:30,869

praise

25

00:03:30,879 --> 00:03:43,270

oh

26  
00:03:48,550 --> 00:03:45,990  
ladies and gentlemen please welcome the

27  
00:03:50,630 --> 00:03:48,560  
chief operating officer of kennedy space

28  
00:04:00,630 --> 00:03:50,640  
center visitor complex

29  
00:04:04,550 --> 00:04:02,070  
thank you very much and thank you

30  
00:04:07,190 --> 00:04:04,560  
titusville high school naval junior rotc

31  
00:04:09,350 --> 00:04:07,200  
and shamika wow that was a

32  
00:04:11,750 --> 00:04:09,360  
that was some great singing on behalf of

33  
00:04:13,990 --> 00:04:11,760  
55 000 delaware north associates

34  
00:04:15,750 --> 00:04:14,000  
worldwide including us at kennedy space

35  
00:04:17,349 --> 00:04:15,760  
center visitor complex

36  
00:04:19,909 --> 00:04:17,359  
we welcome you to today's induction

37  
00:04:21,830 --> 00:04:19,919  
ceremony so celebrating the 13th class

38  
00:04:24,469 --> 00:04:21,840

of space shuttle astronauts entering the

39

00:04:32,070 --> 00:04:24,479

united states astronauts hall of fame

40

00:04:35,590 --> 00:04:34,150

the visitor complex is honored to host

41

00:04:38,070 --> 00:04:35,600

today's ceremony celebrating the

42

00:04:40,870 --> 00:04:38,080

achievements of two nasa astronauts

43

00:04:42,870 --> 00:04:40,880

shannon lucid and jerry ross as they are

44

00:04:44,870 --> 00:04:42,880

welcomed into an elite group of space

45

00:04:47,189 --> 00:04:44,880

exploration heroes and that is exactly

46

00:04:49,030 --> 00:04:47,199

what they are true heroes

47

00:04:50,790 --> 00:04:49,040

today their space flight their space

48

00:04:52,550 --> 00:04:50,800

flight careers

49

00:04:54,150 --> 00:04:52,560

today's inductees flew aboard the space

50

00:04:55,590 --> 00:04:54,160

shuttle lantis which is so beautifully

51

00:04:57,270 --> 00:04:55,600

displayed above us

52

00:04:59,990 --> 00:04:57,280

for the very first time we get to have

53

00:05:01,510 --> 00:05:00,000

this event in this location

54

00:05:04,070 --> 00:05:01,520

this time last year space shuttle

55

00:05:06,550 --> 00:05:04,080

atlantis was covered in 16 000 square

56

00:05:09,029 --> 00:05:06,560

feet of plastic wrap why we installed

57

00:05:11,749 --> 00:05:09,039

simulators interactives and graphics

58

00:05:13,990 --> 00:05:11,759

throughout this entire facility

59

00:05:15,830 --> 00:05:14,000

in june we celebrate the grand opening

60

00:05:18,629 --> 00:05:15,840

of atlantis with many of you many of you

61

00:05:20,469 --> 00:05:18,639

in attendance it is a heartwarming

62

00:05:22,469 --> 00:05:20,479

experience to watch each and every guest

63

00:05:24,150 --> 00:05:22,479

and visitors seeing their seeing

64

00:05:27,029 --> 00:05:24,160

atlantis up close for the very first

65

00:05:28,870 --> 00:05:27,039

time it's emotional heartfelt

66

00:05:30,629 --> 00:05:28,880

while they're clapping cheering and even

67

00:05:32,070 --> 00:05:30,639

tearing up a little bit but there's no

68

00:05:34,310 --> 00:05:32,080

doubt that they're walking out a little

69

00:05:35,990 --> 00:05:34,320

taller and a little prouder

70

00:05:38,390 --> 00:05:36,000

there is nowhere else on earth you can

71

00:05:40,070 --> 00:05:38,400

see a shuttle so dramatically showcase

72

00:05:41,830 --> 00:05:40,080

as if it were in orbit

73

00:05:43,909 --> 00:05:41,840

as only astronauts have had a chance to

74

00:05:45,909 --> 00:05:43,919

see it as the orbiter departs from the

75

00:05:47,990 --> 00:05:45,919

international space station

76

00:05:50,070 --> 00:05:48,000

in addition to showcasing atlantis

77

00:05:52,790 --> 00:05:50,080

kennedy space center visitor complex is

78

00:05:55,110 --> 00:05:52,800

focused on education all aspects of

79

00:05:57,029 --> 00:05:55,120

space flight and of science technology

80

00:05:59,430 --> 00:05:57,039

engineering and math known as stem

81

00:06:01,670 --> 00:05:59,440

activities needed to become an astronaut

82

00:06:03,110 --> 00:06:01,680

or an aerospace professional we are so

83

00:06:05,270 --> 00:06:03,120

excited about the activities the

84

00:06:06,950 --> 00:06:05,280

educational outreach outreach programs

85

00:06:09,189 --> 00:06:06,960

that we have in the coming in the very

86

00:06:11,590 --> 00:06:09,199

near future and currently going on today

87

00:06:13,350 --> 00:06:11,600

recently we initiated ksc activity

88

00:06:14,390 --> 00:06:13,360

adventures where children and adults

89

00:06:16,309 --> 00:06:14,400

alike

90

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

are able to experience and discover the

91

00:06:20,790 --> 00:06:18,080

logistics to launch and build a water

92

00:06:22,950 --> 00:06:20,800

rocket to build a land rover and also

93

00:06:24,710 --> 00:06:22,960

build a super jet car

94

00:06:26,469 --> 00:06:24,720

we have so many programs being developed

95

00:06:28,550 --> 00:06:26,479

that are designed to inspire our next

96

00:06:30,950 --> 00:06:28,560

generation they are the future of our

97

00:06:33,029 --> 00:06:30,960

continued success and and the growth of

98

00:06:34,710 --> 00:06:33,039

the u.s space program i'd like to

99

00:06:36,710 --> 00:06:34,720

recognize the contribution to today's

100

00:06:37,990 --> 00:06:36,720

ceremony by the astronaut scholarship

101  
00:06:40,150 --> 00:06:38,000  
foundation

102  
00:06:42,150 --> 00:06:40,160  
board of directors executive tammy

103  
00:06:44,629 --> 00:06:42,160  
executive director tammy knowles her

104  
00:06:47,110 --> 00:06:44,639  
team and her staff and volunteers since

105  
00:06:49,270 --> 00:06:47,120  
2001 when the first space shuttle class

106  
00:06:51,670 --> 00:06:49,280  
was inducted we have we have on we have

107  
00:06:53,029 --> 00:06:51,680  
been honored to work with the asf

108  
00:06:55,110 --> 00:06:53,039  
on behalf of kennedy space center

109  
00:06:56,950 --> 00:06:55,120  
visitor complex i would like to take a

110  
00:06:59,110 --> 00:06:56,960  
moment to congratulate you on 30 years

111  
00:07:07,589 --> 00:06:59,120  
of dedicated service and thank you for

112  
00:07:11,670 --> 00:07:09,670  
and now without further ado i would like

113  
00:07:13,909 --> 00:07:11,680

to welcome to the stage today's master

114

00:07:15,830 --> 00:07:13,919

of ceremonies for 32 years he was

115

00:07:17,749 --> 00:07:15,840

miami's correspondent for cnn

116

00:07:19,909 --> 00:07:17,759

responsible for the network coverage of

117

00:07:22,550 --> 00:07:19,919

news in florida and in the caribbean

118

00:07:24,150 --> 00:07:22,560

upon joining cnn in 1981 he was a

119

00:07:25,990 --> 00:07:24,160

network's principal correspondent for

120

00:07:27,830 --> 00:07:26,000

the coverage of the u.s space program

121

00:07:30,230 --> 00:07:27,840

having covered such events as john

122

00:07:33,189 --> 00:07:30,240

glenn's 1998 returned to space the

123

00:07:36,550 --> 00:07:33,199

curiosity landing on mars and the 1998

124

00:07:37,909 --> 00:07:36,560

1988 and 2005 return to flight missions

125

00:07:39,189 --> 00:07:37,919

and numerous other space shuttle

126

00:07:41,749 --> 00:07:39,199

launches

127

00:07:44,309 --> 00:07:41,759

after retiring from cnn john czarella

128

00:07:46,469 --> 00:07:44,319

has started his own company jay-z media

129

00:07:48,869 --> 00:07:46,479

he has won two emmy awards and has been

130

00:07:50,469 --> 00:07:48,879

honored numerous times for his work

131

00:07:52,710 --> 00:07:50,479

most recently with the national space

132

00:07:55,830 --> 00:07:52,720

club's harry kokum award memorial news

133

00:07:58,070 --> 00:07:55,840

and community for communication

134

00:08:00,469 --> 00:07:58,080

john we appreciate all the great

135

00:08:02,790 --> 00:08:00,479

coverage of nasa the the space shuttle

136

00:08:04,869 --> 00:08:02,800

program and of course atlantis and now

137

00:08:06,309 --> 00:08:04,879

that you're retired from cnn we look

138

00:08:08,629 --> 00:08:06,319

forward to seeing you more around here

139

00:08:10,790 --> 00:08:08,639

as a guest rather than a correspondent

140

00:08:13,110 --> 00:08:10,800

so to make sure that happens i want to

141

00:08:14,869 --> 00:08:13,120

present you with your own very own and

142

00:08:16,790 --> 00:08:14,879

in your entire family with an annual

143

00:08:33,350 --> 00:08:16,800

pass so make sure we see you more often

144

00:08:37,110 --> 00:08:34,949

i can't thank you enough for that that's

145

00:08:39,430 --> 00:08:37,120

that's terrific i have to tell you that

146

00:08:42,790 --> 00:08:39,440

you know there's so much to see

147

00:08:45,430 --> 00:08:42,800

here that every time i come back i see

148

00:08:46,710 --> 00:08:45,440

something that i missed the last time so

149

00:08:49,509 --> 00:08:46,720

having this

150

00:08:51,350 --> 00:08:49,519

no more excuses for missing anything

151

00:08:54,470 --> 00:08:51,360

plenty of opportunities and i have to

152

00:08:56,070 --> 00:08:54,480

you and i still have to talk because my

153

00:08:58,550 --> 00:08:56,080

friends used to always tell me that when

154

00:09:02,310 --> 00:08:58,560

i left cnn the next job i took was going

155

00:09:05,269 --> 00:09:02,320

to be a tour bus operator here at ksc

156

00:09:07,190 --> 00:09:05,279

and it would be a very very special tour

157

00:09:09,590 --> 00:09:07,200

i would point out ladies and gentlemen

158

00:09:11,350 --> 00:09:09,600

off over there that is the parking lot

159

00:09:13,350 --> 00:09:11,360

where the wildlife officers had to pull

160

00:09:14,949 --> 00:09:13,360

the gator out from under one of the nasa

161

00:09:16,710 --> 00:09:14,959

employees cars

162

00:09:18,470 --> 00:09:16,720

and over there is the roach coach where

163

00:09:19,910 --> 00:09:18,480

we used to go to get our coffee and

164

00:09:21,990 --> 00:09:19,920

while we stayed out here all night

165

00:09:24,150 --> 00:09:22,000

waiting for a shuttle launch and back

166

00:09:25,829 --> 00:09:24,160

over there that's where the nasa swat

167

00:09:28,949 --> 00:09:25,839

team detained me for being in the wrong

168

00:09:30,550 --> 00:09:28,959

place at the wrong time once

169

00:09:33,030 --> 00:09:30,560

so it'll be a very special tour we'll

170

00:09:35,350 --> 00:09:33,040

have to work on that

171

00:09:37,110 --> 00:09:35,360

but thank you theron again very much and

172

00:09:39,430 --> 00:09:37,120

good afternoon ladies and gentlemen i am

173

00:09:41,670 --> 00:09:39,440

honored to be here once again as your

174

00:09:44,310 --> 00:09:41,680

master of ceremonies for the u.s

175

00:09:46,310 --> 00:09:44,320

astronaut hall of fame induction i was

176

00:09:48,150 --> 00:09:46,320

here for the opening of space shuttle

177

00:09:50,949 --> 00:09:48,160

atlantis a short time ago as theron

178

00:09:53,670 --> 00:09:50,959

mentioned and what an awesome experience

179

00:09:56,310 --> 00:09:53,680

it is to be hosting this iconic event

180

00:09:58,470 --> 00:09:56,320

now beneath the shuttle itself

181

00:10:00,870 --> 00:09:58,480

what an incredible tribute

182

00:10:03,590 --> 00:10:00,880

to the thousands of men and women of the

183

00:10:05,990 --> 00:10:03,600

space shuttle program and especially to

184

00:10:08,230 --> 00:10:06,000

our two inductees today who have both

185

00:10:10,310 --> 00:10:08,240

flown many missions

186

00:10:12,710 --> 00:10:10,320

aboard this glorious ship

187

00:10:14,949 --> 00:10:12,720

and now it is my privilege to introduce

188

00:10:25,430 --> 00:10:14,959

to you the attending members of the

189

00:10:30,470 --> 00:10:27,990

he piloted gemini 6 and commanded gemini

190

00:10:32,630 --> 00:10:30,480

9 and apollo 10 for which he was cited

191

00:10:35,110 --> 00:10:32,640

in the guinness book of world records

192

00:10:37,590 --> 00:10:35,120

for highest speed ever attained by man

193

00:10:40,470 --> 00:10:37,600

he commanded the american portion of the

194

00:10:42,550 --> 00:10:40,480

apollo soyuz test project culminating in

195

00:10:44,870 --> 00:10:42,560

a historic first meeting in space

196

00:10:49,829 --> 00:10:44,880

between american astronauts and soviet

197

00:10:53,750 --> 00:10:51,910

this astronaut made his first flight as

198

00:10:55,590 --> 00:10:53,760

pilot of germany 11 during which he

199

00:10:57,910 --> 00:10:55,600

successfully rendezvoused with the

200

00:11:00,870 --> 00:10:57,920

unmanned aegena target vehicle and

201  
00:11:03,030 --> 00:11:00,880  
performed two walks later he orbited the

202  
00:11:05,829 --> 00:11:03,040  
moon as command module pilot of apollo

203  
00:11:08,550 --> 00:11:05,839  
12 where he performed final re-docking

204  
00:11:09,990 --> 00:11:08,560  
maneuvers following a successful lunar

205  
00:11:12,630 --> 00:11:10,000  
orbit rendezvous

206  
00:11:15,350 --> 00:11:12,640  
dick gordon

207  
00:11:18,310 --> 00:11:15,360  
his most notable role was as lunar

208  
00:11:20,630 --> 00:11:18,320  
module pilot for the ill-fated apollo 13

209  
00:11:23,030 --> 00:11:20,640  
mission he also served as backup lunar

210  
00:11:26,069 --> 00:11:23,040  
module pilot for apollo 8 and 11 and

211  
00:11:27,990 --> 00:11:26,079  
backup commander for apollo 16. he went

212  
00:11:30,870 --> 00:11:28,000  
on to command one of two crews that flew

213  
00:11:33,069 --> 00:11:30,880

the space shuttle prototype enterprises

214

00:11:37,430 --> 00:11:33,079

approach and landing test flights in

215

00:11:42,389 --> 00:11:39,990

he was the sixth person to step foot on

216

00:11:45,910 --> 00:11:42,399

the moon as lunar module pilot during

217

00:11:48,150 --> 00:11:45,920

apollo 14 nasa's third moon landing he

218

00:11:52,629 --> 00:11:48,160

and the late alan shepard explored the

219

00:11:54,389 --> 00:11:52,639

moon's hilly framora region in 1971

220

00:11:56,870 --> 00:11:54,399

on the first mission devoted to lunar

221

00:11:59,670 --> 00:11:56,880

science he established records for the

222

00:12:05,910 --> 00:11:59,680

longest lunar surface eva and largest

223

00:12:10,790 --> 00:12:08,230

he is a veteran of two space flights

224

00:12:13,269 --> 00:12:10,800

logging more than 70 days in space his

225

00:12:15,910 --> 00:12:13,279

first space flight aboard sky lab set a

226

00:12:17,990 --> 00:12:15,920

new world record for a duration of 59

227

00:12:19,670 --> 00:12:18,000

days in space more than double the

228

00:12:22,069 --> 00:12:19,680

previous record during which he

229

00:12:24,550 --> 00:12:22,079

conducted three spacewalks he later flew

230

00:12:28,230 --> 00:12:24,560

aboard sts-9 which carried the first

231

00:12:35,750 --> 00:12:28,240

skylab scientific research module into

232

00:12:40,389 --> 00:12:38,550

logging 746 hours in space this

233

00:12:42,949 --> 00:12:40,399

astronaut served as the pilot of the

234

00:12:44,949 --> 00:12:42,959

apollo soyuz test project the first

235

00:12:47,190 --> 00:12:44,959

joint mission between the united states

236

00:12:49,030 --> 00:12:47,200

and russia he went on to command three

237

00:12:51,710 --> 00:12:49,040

space shuttle flights including the

238

00:12:55,030 --> 00:12:51,720

first mission labeled as operational

239

00:12:57,350 --> 00:12:55,040

sts-5 the successful first deployment of

240

00:12:59,910 --> 00:12:57,360

two commercial communications satellite

241

00:13:02,470 --> 00:12:59,920

from the orbiter's car payload bay vance

242

00:13:07,150 --> 00:13:05,030

during his 19 years with the astronaut

243

00:13:10,230 --> 00:13:07,160

program he logged more than

244

00:13:12,230 --> 00:13:10,240

386 hours in space and flew on three

245

00:13:13,910 --> 00:13:12,240

shuttle missions he served as pilot

246

00:13:16,870 --> 00:13:13,920

during the maiden voyage of shuttle

247

00:13:21,509 --> 00:13:16,880

challenger aboard sts-6 as commander of

248

00:13:23,269 --> 00:13:21,519

sts-51d and as commander of sts-51j

249

00:13:27,590 --> 00:13:23,279

the first flight of space shuttle

250

00:13:32,230 --> 00:13:29,829

a veteran of four space shuttle missions

251  
00:13:35,750 --> 00:13:32,240  
he piloted sts-8 the first mission with

252  
00:13:38,790 --> 00:13:35,760  
a night launch and landing he spent 261

253  
00:13:41,230 --> 00:13:38,800  
hours in space during sts 32 the longest

254  
00:13:44,150 --> 00:13:41,240  
shuttle mission and later commanded

255  
00:13:48,870 --> 00:13:44,160  
sts-49 the maiden flight of space

256  
00:13:51,910 --> 00:13:48,880  
shuttle endeavour dan brandenstein

257  
00:13:54,910 --> 00:13:51,920  
logging more than 500 hours in space he

258  
00:13:58,870 --> 00:13:54,920  
piloted sts-9 and later commanded

259  
00:14:00,710 --> 00:13:58,880  
sts-61b and sts-28 he also played a key

260  
00:14:02,470 --> 00:14:00,720  
role in returning the shuttle to flight

261  
00:14:04,790 --> 00:14:02,480  
following the challenger accident

262  
00:14:11,509 --> 00:14:04,800  
leading the space shuttle orbiter return

263  
00:14:15,670 --> 00:14:13,990

this astronaut a veteran of five space

264

00:14:17,430 --> 00:14:15,680

shuttle flights served as pilot for

265

00:14:19,189 --> 00:14:17,440

sts-41b

266

00:14:21,269 --> 00:14:19,199

which culminated in the first landing at

267

00:14:22,430 --> 00:14:21,279

kennedy space center's runway he then

268

00:14:27,670 --> 00:14:22,440

commanded

269

00:14:29,350 --> 00:14:27,680

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

270

00:14:31,269 --> 00:14:29,360

shuttle space shuttle mission to dock

271

00:14:36,150 --> 00:14:31,279

with the russian space station mirror

272

00:14:41,269 --> 00:14:38,230

he will be forever remembered by an

273

00:14:43,350 --> 00:14:41,279

iconic photo taken of him flying freely

274

00:14:45,670 --> 00:14:43,360

without a tether over the earth on

275

00:14:46,949 --> 00:14:45,680

mission sts-41b

276

00:14:49,350 --> 00:14:46,959

during the flight he tested the

277

00:14:51,670 --> 00:14:49,360

man-maneuvering unit a jet-powered

278

00:14:52,949 --> 00:14:51,680

backpack that allowed him to float away

279

00:14:54,629 --> 00:14:52,959

from the shuttle

280

00:14:56,790 --> 00:14:54,639

six years later he returned to space

281

00:15:03,030 --> 00:14:56,800

aboard discovery to deploy the hubble

282

00:15:10,389 --> 00:15:05,509

he flew three space shuttle missions

283

00:15:13,189 --> 00:15:10,399

sts-41c 61c and sts-26 and was a member

284

00:15:15,590 --> 00:15:13,199

of the first spacewalking team to repair

285

00:15:17,750 --> 00:15:15,600

a satellite in orbit he retains the

286

00:15:19,670 --> 00:15:17,760

distinction of being the only american

287

00:15:25,590 --> 00:15:19,680

to test fly the russian manned

288

00:15:30,470 --> 00:15:28,870

he logged over 770 hours in space over

289

00:15:33,590 --> 00:15:30,480

the course of five space shuttle

290

00:15:35,590 --> 00:15:33,600

missions including sts-41d the maiden

291

00:15:38,069 --> 00:15:35,600

flight of discovery during his third

292

00:15:40,310 --> 00:15:38,079

flight sts-31 he helped deploy the

293

00:15:42,790 --> 00:15:40,320

hubble space telescope and assisted in

294

00:15:46,870 --> 00:15:42,800

its servicing on the next mission steve

295

00:15:52,069 --> 00:15:48,670

he served as pilot of

296

00:15:54,629 --> 00:15:52,079

sts-51c and commander of sts-31 which

297

00:15:57,590 --> 00:15:54,639

deployed the hubble space telescope and

298

00:16:00,069 --> 00:15:57,600

sts-46 which conducted the first

299

00:16:03,829 --> 00:16:00,079

tethered satellite system test flight

300

00:16:06,389 --> 00:16:03,839

from 1997 to 2000 he was deputy director

301  
00:16:11,110 --> 00:16:06,399  
of nasa's kennedy space center lauren

302  
00:16:16,790 --> 00:16:13,590  
a veteran of five space shuttle missions

303  
00:16:20,230 --> 00:16:16,800  
he became the first astronaut to log 1

304  
00:16:22,870 --> 00:16:20,240  
000 hours in space on the shuttle and

305  
00:16:26,790 --> 00:16:22,880  
made nasa's first shuttle contingency

306  
00:16:35,269 --> 00:16:26,800  
spacewalk he has logged 21.5

307  
00:16:40,870 --> 00:16:37,590  
a four-time space shuttle veteran he has

308  
00:16:42,790 --> 00:16:40,880  
logged over 646 hours in space he

309  
00:16:45,430 --> 00:16:42,800  
distinguished himself as both commander

310  
00:16:48,230 --> 00:16:45,440  
of the first hubble space telescope

311  
00:16:50,310 --> 00:16:48,240  
mission repair mission and as pilot of

312  
00:16:53,230 --> 00:16:50,320  
discovery for the shuttle program's

313  
00:17:06,470 --> 00:16:53,240

return to flight mission following the

314

00:17:13,350 --> 00:17:08,710

she logged more than 1

315

00:17:15,990 --> 00:17:13,360

200 hours 53 days in space she served as

316

00:17:19,029 --> 00:17:16,000

mission specialist for sts-61a

317

00:17:20,590 --> 00:17:19,039

and sts-32 and payload commander on

318

00:17:24,390 --> 00:17:20,600

sts-50

319

00:17:27,669 --> 00:17:24,400

sts-89 in 1995 she made space history

320

00:17:29,510 --> 00:17:27,679

aboard atlantis on sts-71 by docking

321

00:17:36,549 --> 00:17:29,520

with the russian mir space station

322

00:17:42,470 --> 00:17:38,630

a veteran of four space shuttle flights

323

00:17:45,029 --> 00:17:42,480

he piloted sts-61c and sts-31 which

324

00:17:48,070 --> 00:17:45,039

deployed the hubble space telescope then

325

00:17:52,230 --> 00:17:48,080

served as commander for sts-45 and

326

00:17:55,510 --> 00:17:52,240

sts-60 logging more than 680 hours in

327

00:18:01,430 --> 00:17:55,520

orbit today he serves as nasa's

328

00:18:07,190 --> 00:18:04,630

he has logged 161 days in space on five

329

00:18:11,750 --> 00:18:07,200

missions he served as pilot of sts-29

330

00:18:14,390 --> 00:18:11,760

and sts-33 and commander of sts-43 and

331

00:18:16,310 --> 00:18:14,400

58. this astronaut became the third

332

00:18:18,549 --> 00:18:16,320

american to live aboard the russian

333

00:18:25,029 --> 00:18:18,559

space station mir setting an american

334

00:18:31,110 --> 00:18:28,230

she has logged over 975

335

00:18:33,590 --> 00:18:31,120

hours in space including more than 21

336

00:18:35,350 --> 00:18:33,600

hours of extra vehicular activity she

337

00:18:38,630 --> 00:18:35,360

flew four space shuttle missions

338

00:18:40,310 --> 00:18:38,640

including sts 49 the maiden flight of

339

00:18:45,270 --> 00:18:40,320

space shuttle endeavour

340

00:18:49,590 --> 00:18:47,270

he is a veteran of four space flights

341

00:18:53,990 --> 00:18:49,600

and has logged 38 days in space he

342

00:18:57,990 --> 00:18:54,000

piloted sts-41 and sts-53 and served as

343

00:19:00,710 --> 00:18:58,000

commander of sts-65 and sts-88 during

344

00:19:03,029 --> 00:19:00,720

sts-65 he and his crew set a record for

345

00:19:05,430 --> 00:19:03,039

the longest space shuttle mission at the

346

00:19:07,430 --> 00:19:05,440

time he's currently the center director

347

00:19:14,150 --> 00:19:07,440

right here at nasa's kennedy space

348

00:19:19,390 --> 00:19:16,230

he is a veteran of six space shuttle

349

00:19:22,470 --> 00:19:19,400

missions logging more than 1

350

00:19:25,110 --> 00:19:22,480

592 hours in space he was the first

351  
00:19:28,150 --> 00:19:25,120  
american to command five space shuttle

352  
00:19:30,630 --> 00:19:28,160  
missions aboard sts-63 he positioned

353  
00:19:33,190 --> 00:19:30,640  
discovery within 30 feet of the space

354  
00:19:34,950 --> 00:19:33,200  
station mir conducting the first u.s

355  
00:19:40,470 --> 00:19:34,960  
space shuttle rendezvous with the

356  
00:19:46,070 --> 00:19:42,950  
he is a veteran of three space flights

357  
00:19:49,029 --> 00:19:46,080  
and has logged more than 146 days in

358  
00:19:50,789 --> 00:19:49,039  
space as commander of sts-51 he

359  
00:19:52,470 --> 00:19:50,799  
conducted the first shuttle night

360  
00:19:54,789 --> 00:19:52,480  
landing at ksc

361  
00:19:56,710 --> 00:19:54,799  
on his final mission during expedition 3

362  
00:19:58,029 --> 00:19:56,720  
he commanded the international space

363  
00:20:04,870 --> 00:19:58,039

station for

364

00:20:10,110 --> 00:20:06,710

he is a veteran of six space flights

365

00:20:14,950 --> 00:20:10,120

during which he logged more than 1

366

00:20:18,710 --> 00:20:14,960

380 hours 57 days in space he served as

367

00:20:21,830 --> 00:20:18,720

pilot for sts-47 sts-66

368

00:20:29,510 --> 00:20:21,840

and sts-76 he served as commander aboard

369

00:20:34,470 --> 00:20:31,750

he is a veteran of four space flights

370

00:20:36,950 --> 00:20:34,480

and has logged more than 932

371

00:20:39,990 --> 00:20:36,960

hours in space he served as mission

372

00:20:42,870 --> 00:20:40,000

specialist on his first flight sts-55

373

00:20:45,270 --> 00:20:42,880

during the skylab d2 mission he piloted

374

00:20:47,190 --> 00:20:45,280

sts-71 the first space shuttle mission

375

00:20:51,430 --> 00:20:47,200

to dock with the russian space station

376  
00:20:53,270 --> 00:20:51,440  
mir he was commander on sts 84 and 91

377  
00:20:56,070 --> 00:20:53,280  
marking the conclusion of a highly

378  
00:21:00,789 --> 00:20:56,080  
successful joint u.s russia venture

379  
00:21:07,830 --> 00:21:03,909  
she is a veteran of four space flights

380  
00:21:09,590 --> 00:21:07,840  
logging more than 870 hours around 35

381  
00:21:12,310 --> 00:21:09,600  
days in space

382  
00:21:15,350 --> 00:21:12,320  
she first made history in 1995 when she

383  
00:21:17,830 --> 00:21:15,360  
took the controls of discovery on sts 63

384  
00:21:20,149 --> 00:21:17,840  
to become the first woman space shuttle

385  
00:21:24,789 --> 00:21:20,159  
pilot she again made history as

386  
00:21:27,029 --> 00:21:24,799  
commander of columbia on sts 93. in 2005

387  
00:21:29,990 --> 00:21:27,039  
she commanded sts-114

388  
00:21:32,070 --> 00:21:30,000

to test and evaluate new procedures for

389

00:21:38,070 --> 00:21:32,080

flight safety shuttle inspection and

390

00:21:43,430 --> 00:21:40,470

he is a veteran of three space shuttle

391

00:21:46,870 --> 00:21:43,440

missions logging more than 455 hours in

392

00:21:49,590 --> 00:21:46,880

space he served as pilot of sts-51b

393

00:21:53,510 --> 00:21:49,600

space lab 3 and was the spacecraft

394

00:21:55,029 --> 00:21:53,520

commander on sts 33 and sts 44 fred

395

00:21:57,750 --> 00:21:55,039

gregory

396

00:22:10,470 --> 00:21:57,760

ladies and gentlemen our hall of fame

397

00:22:13,350 --> 00:22:11,669

dick gordon gordon's not going to be

398

00:22:15,590 --> 00:22:13,360

happy he's sitting right behind me again

399

00:22:19,430 --> 00:22:15,600

i know

400

00:22:23,029 --> 00:22:21,909

before before we continue i would like

401  
00:22:24,789 --> 00:22:23,039  
to

402  
00:22:26,870 --> 00:22:24,799  
take a moment

403  
00:22:29,190 --> 00:22:26,880  
to mark the passing of four hall of fame

404  
00:22:31,750 --> 00:22:29,200  
astronauts since our last astronaut hall

405  
00:22:33,110 --> 00:22:31,760  
of fame induction ceremony

406  
00:22:34,870 --> 00:22:33,120  
dale gardner

407  
00:22:38,310 --> 00:22:34,880  
scott carpenter

408  
00:22:40,710 --> 00:22:38,320  
charles gordon fullerton and bill pogue

409  
00:22:42,870 --> 00:22:40,720  
these space legends made remarkable

410  
00:22:43,990 --> 00:22:42,880  
contributions to the exploration of

411  
00:22:45,909 --> 00:22:44,000  
space

412  
00:22:48,070 --> 00:22:45,919  
and their legacy lives on

413  
00:22:57,750 --> 00:22:48,080

through their respective educational

414

00:23:02,630 --> 00:22:59,669

you know ladies and gentlemen you should

415

00:23:04,549 --> 00:23:02,640

stop and just pause for a moment

416

00:23:06,870 --> 00:23:04,559

and just reflect on where you are and

417

00:23:09,110 --> 00:23:06,880

where you were sitting beneath atlantis

418

00:23:11,029 --> 00:23:09,120

here and with all of these

419

00:23:13,110 --> 00:23:11,039

great men and women here for many of us

420

00:23:14,470 --> 00:23:13,120

this may be a once-in-a-lifetime

421

00:23:18,070 --> 00:23:14,480

opportunity

422

00:23:19,909 --> 00:23:18,080

so cherish it embrace it enjoy this

423

00:23:21,029 --> 00:23:19,919

you may never have this opportunity

424

00:23:24,070 --> 00:23:21,039

again

425

00:23:25,990 --> 00:23:24,080

and i want to say that this event

426  
00:23:29,350 --> 00:23:26,000  
is not just about

427  
00:23:31,830 --> 00:23:29,360  
honoring the greatness of the past

428  
00:23:33,270 --> 00:23:31,840  
it is also about the promise

429  
00:23:35,190 --> 00:23:33,280  
of the future

430  
00:23:38,470 --> 00:23:35,200  
and where we go from here

431  
00:23:41,750 --> 00:23:38,480  
it is about inspiration dedication and a

432  
00:23:45,750 --> 00:23:43,269  
and many of you out there with young

433  
00:23:47,750 --> 00:23:45,760  
children it may be your children who

434  
00:23:49,990 --> 00:23:47,760  
someday will be sitting up here who

435  
00:23:52,070 --> 00:23:50,000  
someday like edgar mitchell may walk on

436  
00:23:53,430 --> 00:23:52,080  
the moon or may take those first steps

437  
00:23:56,149 --> 00:23:53,440  
on mars

438  
00:23:57,269 --> 00:23:56,159

so remember this is not just about

439

00:23:59,190 --> 00:23:57,279

honoring

440

00:24:01,350 --> 00:23:59,200

the legends but it is about looking

441

00:24:03,830 --> 00:24:01,360

forward to the future

442

00:24:06,950 --> 00:24:03,840

and now it is my pleasure to welcome to

443

00:24:14,549 --> 00:24:06,960

the podium hall of fame astronaut and

444

00:24:17,830 --> 00:24:16,230

thank you very much it's um it's a

445

00:24:20,310 --> 00:24:17,840

pleasure for me to be here and i want to

446

00:24:21,590 --> 00:24:20,320

on behalf of the 17 000 plus nasa

447

00:24:24,390 --> 00:24:21,600

employees

448

00:24:26,310 --> 00:24:24,400

civil servants and the 40 000 plus

449

00:24:29,029 --> 00:24:26,320

contractors in the nasa family i want to

450

00:24:30,710 --> 00:24:29,039

welcome all of you here um it's a

451

00:24:33,110 --> 00:24:30,720

delight to be here and be a part of this

452

00:24:35,990 --> 00:24:33,120

celebration i want to congratulate two

453

00:24:38,870 --> 00:24:36,000

very good friends who are out there

454

00:24:41,269 --> 00:24:38,880

uh shannon lucid and jerry ross

455

00:24:43,029 --> 00:24:41,279

they are explorers and pioneers in their

456

00:24:44,630 --> 00:24:43,039

own very respective ways and you'll hear

457

00:24:47,830 --> 00:24:44,640

about that later

458

00:24:51,269 --> 00:24:47,840

as we've always done at nasa we kind of

459

00:24:53,190 --> 00:24:51,279

do the things that others either don't

460

00:24:55,510 --> 00:24:53,200

can't or won't

461

00:24:58,149 --> 00:24:55,520

and we're continuing to do that as we

462

00:24:59,590 --> 00:24:58,159

embark today on an ambitious journey

463

00:25:01,909 --> 00:24:59,600

that's going to take us deeper into

464

00:25:04,070 --> 00:25:01,919

space than humans have ever been before

465

00:25:05,750 --> 00:25:04,080

and we're really excited about it uh

466

00:25:07,430 --> 00:25:05,760

some of us had an opportunity or some of

467

00:25:09,190 --> 00:25:07,440

my my colleagues had an opportunity to

468

00:25:10,310 --> 00:25:09,200

listen earlier today to the nasa

469

00:25:14,230 --> 00:25:10,320

scholars

470

00:25:16,070 --> 00:25:14,240

the way for what we're going to be doing

471

00:25:17,350 --> 00:25:16,080

in the future that i really think is

472

00:25:19,269 --> 00:25:17,360

going to dwarf some of the

473

00:25:21,110 --> 00:25:19,279

accomplishments that you've heard about

474

00:25:22,630 --> 00:25:21,120

with the introductions of those of us in

475

00:25:24,630 --> 00:25:22,640

the hall of fame today

476

00:25:27,029 --> 00:25:24,640

we've transitioned now successfully out

477

00:25:29,350 --> 00:25:27,039

of out of the the leo access business

478

00:25:31,269 --> 00:25:29,360

nasa doesn't do that anymore we depend

479

00:25:34,630 --> 00:25:31,279

on two american companies to take cargo

480

00:25:36,950 --> 00:25:34,640

to space and and if congress funds uh to

481

00:25:38,789 --> 00:25:36,960

the maximum amount requested uh within

482

00:25:41,110 --> 00:25:38,799

the next three years you're going to see

483

00:25:42,870 --> 00:25:41,120

us return here to launch americans from

484

00:25:44,549 --> 00:25:42,880

the kennedy space center but it's going

485

00:25:47,110 --> 00:25:44,559

to be aboard commercial rockets and i'm

486

00:25:49,269 --> 00:25:47,120

really excited about that

487

00:25:51,510 --> 00:25:49,279

some of the future hall of famers that

488

00:25:53,350 --> 00:25:51,520

are out there now as scholars

489

00:25:55,510 --> 00:25:53,360

are probably going to be among those

490

00:25:56,390 --> 00:25:55,520

that fly on those commercial rockets out

491

00:25:59,269 --> 00:25:56,400

of here

492

00:26:01,029 --> 00:25:59,279

and as as as john mentioned earlier are

493

00:26:02,470 --> 00:26:01,039

going to be among the first that are

494

00:26:03,990 --> 00:26:02,480

going to actually set foot on a

495

00:26:05,830 --> 00:26:04,000

different planet

496

00:26:08,230 --> 00:26:05,840

than we live today and that planet we

497

00:26:10,789 --> 00:26:08,240

hope will be mars

498

00:26:12,789 --> 00:26:10,799

i i want to say that we're continuing to

499

00:26:15,590 --> 00:26:12,799

expand our science our aeronautics our

500

00:26:18,149 --> 00:26:15,600

technology development portfolios and

501  
00:26:20,310 --> 00:26:18,159  
humans to mars is where we're focused

502  
00:26:23,510 --> 00:26:20,320  
right now it's an exciting time for

503  
00:26:25,590 --> 00:26:23,520  
anybody in the aerospace business

504  
00:26:27,269 --> 00:26:25,600  
it's an exciting time for all of us on

505  
00:26:29,269 --> 00:26:27,279  
the stage and i hope it will be an

506  
00:26:30,870 --> 00:26:29,279  
exciting time for all of you who have

507  
00:26:33,350 --> 00:26:30,880  
come out to join us

508  
00:26:35,269 --> 00:26:33,360  
the kids over here there was a little

509  
00:26:37,590 --> 00:26:35,279  
kid up there

510  
00:26:38,549 --> 00:26:37,600  
in one of the modules that was floating

511  
00:26:40,710 --> 00:26:38,559  
through

512  
00:26:43,269 --> 00:26:40,720  
and i thought of him as i got ready to

513  
00:26:44,549 --> 00:26:43,279

get up to make my remarks so some mother

514

00:26:46,230 --> 00:26:44,559

probably looked up there and she's

515

00:26:49,350 --> 00:26:46,240

scared to death but all i can tell you

516

00:26:50,950 --> 00:26:49,360

mom if he's yours hang on because

517

00:26:52,710 --> 00:26:50,960

he's probably going to be doing the same

518

00:26:54,630 --> 00:26:52,720

kind of thing on mars before you know it

519

00:26:56,390 --> 00:26:54,640

so thanks again to all of you for coming

520

00:27:02,710 --> 00:26:56,400

congratulations shannon and jerry for

521

00:27:05,510 --> 00:27:04,149

thank you charlie

522

00:27:07,269 --> 00:27:05,520

and now i'd like to welcome to the

523

00:27:10,149 --> 00:27:07,279

podium hall of fame astronaut and

524

00:27:15,909 --> 00:27:10,159

kennedy space center director mr robert

525

00:27:19,669 --> 00:27:17,830

thanks john well good afternoon everyone

526  
00:27:21,669 --> 00:27:19,679  
and welcome to the kennedy space center

527  
00:27:23,590 --> 00:27:21,679  
it's a real privilege for me to be here

528  
00:27:25,590 --> 00:27:23,600  
today for the induction of shannon lucid

529  
00:27:26,870 --> 00:27:25,600  
and jerry ross into the u.s astronaut

530  
00:27:28,950 --> 00:27:26,880  
hall of fame

531  
00:27:30,710 --> 00:27:28,960  
i worked closely with shannon during the

532  
00:27:33,510 --> 00:27:30,720  
shuttle mirror program where she

533  
00:27:35,029 --> 00:27:33,520  
excelled during a very challenging time

534  
00:27:36,870 --> 00:27:35,039  
and i had the privilege of flying with

535  
00:27:38,789 --> 00:27:36,880  
jerry on sts-88 where he did three

536  
00:27:40,149 --> 00:27:38,799  
spacewalks hooking up the first two

537  
00:27:41,750 --> 00:27:40,159  
modules of the international space

538  
00:27:43,430 --> 00:27:41,760

station and

539

00:27:44,630 --> 00:27:43,440

both of them are very deserving of this

540

00:27:47,190 --> 00:27:44,640

honor

541

00:27:48,389 --> 00:27:47,200

today's focus is on history and

542

00:27:50,149 --> 00:27:48,399

accomplishments of these two

543

00:27:52,549 --> 00:27:50,159

distinguished astronauts but i want to

544

00:27:54,310 --> 00:27:52,559

briefly talk about making history not

545

00:27:56,870 --> 00:27:54,320

remembering it because that's what we're

546

00:27:58,789 --> 00:27:56,880

doing at ksc today we're making history

547

00:28:01,669 --> 00:27:58,799

as we transform this storied launch

548

00:28:03,909 --> 00:28:01,679

complex into a spaceport of the future

549

00:28:06,070 --> 00:28:03,919

that will once again allow us to explore

550

00:28:08,630 --> 00:28:06,080

beyond our home planet

551  
00:28:10,870 --> 00:28:08,640  
in the onc high bay right now

552  
00:28:13,110 --> 00:28:10,880  
the high bay that once prepared apollo

553  
00:28:15,110 --> 00:28:13,120  
spacecraft to go to the moon the very

554  
00:28:17,430 --> 00:28:15,120  
first orion spacecraft is nearing

555  
00:28:20,389 --> 00:28:17,440  
completion for a test flight later later

556  
00:28:22,470 --> 00:28:20,399  
this year aboard a delta iv heavy rocket

557  
00:28:24,070 --> 00:28:22,480  
exploration flight test one will travel

558  
00:28:26,310 --> 00:28:24,080  
further from the earth than we've gone

559  
00:28:28,470 --> 00:28:26,320  
since we went to the moon re-entering at

560  
00:28:30,149 --> 00:28:28,480  
roughly 80 percent of lunar re-entry

561  
00:28:32,549 --> 00:28:30,159  
velocity to check out the thermal

562  
00:28:34,549 --> 00:28:32,559  
protection system and other systems on

563  
00:28:36,389 --> 00:28:34,559

the vehicle as well as checking out our

564

00:28:38,789 --> 00:28:36,399

recovery procedures when it touches down

565

00:28:41,350 --> 00:28:38,799

off the coast of california

566

00:28:42,950 --> 00:28:41,360

launch complex 39 modifications are on

567

00:28:45,029 --> 00:28:42,960

track for a test flight of the space

568

00:28:47,669 --> 00:28:45,039

launch system with orion aboard it in

569

00:28:49,909 --> 00:28:47,679

fiscal year 18. the mobile launcher

570

00:28:53,430 --> 00:28:49,919

crawler transporter high bay 3 and the

571

00:28:56,070 --> 00:28:53,440

vab and launch pad 39b are in various

572

00:28:58,470 --> 00:28:56,080

stages of a total upgrade that will one

573

00:29:00,710 --> 00:28:58,480

day in the not too distant future be our

574

00:29:02,549 --> 00:29:00,720

launch point to the planet mars

575

00:29:04,070 --> 00:29:02,559

in the meantime we're enabling a new

576

00:29:06,149 --> 00:29:04,080

commercial market

577

00:29:08,070 --> 00:29:06,159

utilizing a national capability to

578

00:29:10,830 --> 00:29:08,080

ensure that we remain a world leader in

579

00:29:13,350 --> 00:29:10,840

space as we transform to a true

580

00:29:15,269 --> 00:29:13,360

multi-user spaceport with both

581

00:29:17,269 --> 00:29:15,279

government and commercial flights crew

582

00:29:18,870 --> 00:29:17,279

and cargo to and from low earth orbit

583

00:29:21,190 --> 00:29:18,880

and beyond

584

00:29:23,269 --> 00:29:21,200

this fall our commercial crew program

585

00:29:25,350 --> 00:29:23,279

will have a contract with a commercial

586

00:29:27,430 --> 00:29:25,360

company that will enable us to fly our

587

00:29:30,789 --> 00:29:27,440

cruise to our international space

588

00:29:32,630 --> 00:29:30,799

station on a u.s rocket in 2017

589

00:29:34,230 --> 00:29:32,640

relieving our reliance on our russian

590

00:29:36,549 --> 00:29:34,240

partners

591

00:29:39,350 --> 00:29:36,559

spacex has taken over maintenance in

592

00:29:41,830 --> 00:29:39,360

operations of launch pad 39a

593

00:29:45,669 --> 00:29:41,840

boeing plans on bringing their cst 100

594

00:29:47,430 --> 00:29:45,679

spacecraft to the opf bay 3.

595

00:29:50,549 --> 00:29:47,440

sierra nevada is looking to process the

596

00:29:52,870 --> 00:29:50,559

dream chaser in the onc high bay

597

00:29:54,789 --> 00:29:52,880

and space florida is negotiating to take

598

00:29:56,710 --> 00:29:54,799

over the shuttle landing facility to

599

00:29:59,350 --> 00:29:56,720

develop a horizontal launch and land

600

00:30:00,389 --> 00:29:59,360

capability for sub-orbital and orbital

601  
00:30:02,389 --> 00:30:00,399

flights

602  
00:30:04,710 --> 00:30:02,399

all the while we continue to support the

603  
00:30:05,909 --> 00:30:04,720

international space station with science

604  
00:30:08,070 --> 00:30:05,919

and cargo

605  
00:30:10,149 --> 00:30:08,080

in our launch services program continues

606  
00:30:12,070 --> 00:30:10,159

to procure the expendable rockets for

607  
00:30:14,470 --> 00:30:12,080

our science missions

608  
00:30:16,710 --> 00:30:14,480

the kennedy space center is our launch

609  
00:30:19,350 --> 00:30:16,720

pad to an exciting future of space

610  
00:30:21,430 --> 00:30:19,360

exploration in establishing a human

611  
00:30:23,909 --> 00:30:21,440

presence in our solar system with the

612  
00:30:27,029 --> 00:30:23,919

goal of putting boots on mars

613  
00:30:28,789 --> 00:30:27,039

so again my sincere congratulations to

614

00:30:31,110 --> 00:30:28,799

shannon and jerry

615

00:30:32,230 --> 00:30:31,120

and thanks to all of you for your

616

00:30:35,029 --> 00:30:32,240

support

617

00:30:37,190 --> 00:30:35,039

as we continue to make history as our

618

00:30:40,870 --> 00:30:37,200

nation's premier launch complex thank

619

00:30:44,470 --> 00:30:42,789

thanks bob and now ladies and gentlemen

620

00:30:46,630 --> 00:30:44,480

please welcome hall of fame astronaut

621

00:30:52,630 --> 00:30:46,640

and astronaut scholarship foundation

622

00:30:56,870 --> 00:30:55,110

thank you john good afternoon everyone

623

00:30:58,950 --> 00:30:56,880

as chairman of the astronaut scholarship

624

00:30:59,750 --> 00:30:58,960

foundation let me first say how happy i

625

00:31:01,750 --> 00:30:59,760

am

626

00:31:04,549 --> 00:31:01,760

to be here today and join

627

00:31:07,029 --> 00:31:04,559

you all in welcoming shannon and jerry

628

00:31:09,110 --> 00:31:07,039

into the u.s astronaut hall of fame

629

00:31:11,269 --> 00:31:09,120

now uh i had opportunity to fly with

630

00:31:13,110 --> 00:31:11,279

shannon on 51g

631

00:31:14,549 --> 00:31:13,120

where the crew shared many a peanut

632

00:31:16,950 --> 00:31:14,559

butter sandwich

633

00:31:18,870 --> 00:31:16,960

except shannon she hates peanut butter

634

00:31:20,789 --> 00:31:18,880

and i played a lot of softball with

635

00:31:22,549 --> 00:31:20,799

jerry uh he was an outfielder and he had

636

00:31:24,389 --> 00:31:22,559

a rifle of an arm it was always a joy to

637

00:31:26,310 --> 00:31:24,399

watch him pick people off a second base

638

00:31:28,470 --> 00:31:26,320

from deep in the outfield

639

00:31:30,789 --> 00:31:28,480

the the astronaut scholarship foundation

640

00:31:32,950 --> 00:31:30,799

is celebrating our 30th anniversary this

641

00:31:36,549 --> 00:31:32,960

year it was founded by the original

642

00:31:37,990 --> 00:31:36,559

seven astronauts in 1984 to ensure that

643

00:31:40,389 --> 00:31:38,000

united states would maintain its

644

00:31:42,310 --> 00:31:40,399

leadership in science and engineering by

645

00:31:44,230 --> 00:31:42,320

supporting some of the best science and

646

00:31:47,110 --> 00:31:44,240

engineering students and we've come a

647

00:31:48,710 --> 00:31:47,120

long way since then we started out by

648

00:31:50,950 --> 00:31:48,720

the first year by giving seven one

649

00:31:52,950 --> 00:31:50,960

thousand dollar scholarships

650

00:31:55,110 --> 00:31:52,960

last year we gave out twenty eight ten

651  
00:31:57,590 --> 00:31:55,120  
thousand dollar scholarships to uh

652  
00:32:00,389 --> 00:31:57,600  
deserving students and yesterday at our

653  
00:32:02,710 --> 00:32:00,399  
board of directors meeting we approved

654  
00:32:04,549 --> 00:32:02,720  
30 scholarships for the upcoming year

655  
00:32:13,830 --> 00:32:04,559  
and are planning to shoot for 35 the

656  
00:32:18,230 --> 00:32:15,830  
the astronaut scholarship is uh one of

657  
00:32:19,990 --> 00:32:18,240  
the most prestigious uh awards given to

658  
00:32:21,669 --> 00:32:20,000  
undergraduate science and engineering

659  
00:32:23,269 --> 00:32:21,679  
students in america and it's based

660  
00:32:24,870 --> 00:32:23,279  
solely on merit

661  
00:32:26,830 --> 00:32:24,880  
we are very proud of our scholars and

662  
00:32:30,310 --> 00:32:26,840  
their accomplishments to date we've

663  
00:32:32,870 --> 00:32:30,320

awarded over more than 3.7 million

664

00:32:35,269 --> 00:32:32,880

dollars in scholarships to 350 science

665

00:32:37,430 --> 00:32:35,279

and engineering students nationwide

666

00:32:39,110 --> 00:32:37,440

and many of them are here with us today

667

00:32:40,710 --> 00:32:39,120

so with the scholars please stand up

668

00:32:42,789 --> 00:32:40,720

there's some terrific

669

00:32:47,269 --> 00:32:42,799

students and scholars

670

00:32:53,110 --> 00:32:48,789

and ladies and gentlemen you're looking

671

00:32:55,029 --> 00:32:53,120

at the innovation leaders of tomorrow

672

00:32:57,830 --> 00:32:55,039

thank you

673

00:33:00,389 --> 00:32:57,840

of course uh asf could not do it alone

674

00:33:02,710 --> 00:33:00,399

uh we received uh terrific support from

675

00:33:04,549 --> 00:33:02,720

uh all of the astronauts from our

676  
00:33:05,590 --> 00:33:04,559  
friends at nasa charlie bolden and bob

677  
00:33:07,830 --> 00:33:05,600  
cabana

678  
00:33:08,830 --> 00:33:07,840  
and from the kennedy space center uh

679  
00:33:11,029 --> 00:33:08,840  
theron

680  
00:33:13,669 --> 00:33:11,039  
pratzy their involvement is truly

681  
00:33:15,190 --> 00:33:13,679  
appreciated and we thank you very much

682  
00:33:17,590 --> 00:33:15,200  
and now it's my pleasure to turn it back

683  
00:33:19,430 --> 00:33:17,600  
to you john and we can introduce

684  
00:33:25,190 --> 00:33:19,440  
and induct the new class of hall of fame

685  
00:33:28,470 --> 00:33:26,509  
thanks dan

686  
00:33:31,190 --> 00:33:28,480  
congratulations to the astronaut

687  
00:33:33,029 --> 00:33:31,200  
scholarship foundation on 30 remarkable

688  
00:33:35,190 --> 00:33:33,039

years

689

00:33:37,269 --> 00:33:35,200

and the time has arrived the induction

690

00:33:39,269 --> 00:33:37,279

of the 13th class of space shuttle

691

00:33:41,350 --> 00:33:39,279

astronauts into the united states

692

00:33:43,830 --> 00:33:41,360

astronaut hall of fame

693

00:33:53,269 --> 00:33:43,840

they will be introduced in the order in

694

00:33:57,830 --> 00:33:55,830

shannon lucent a phd is a veteran of

695

00:33:59,669 --> 00:33:57,840

five space shuttle flights

696

00:34:03,389 --> 00:33:59,679

she boarded space shuttle discovery on

697

00:34:05,029 --> 00:34:03,399

june 17 1985 for her first mission

698

00:34:06,710 --> 00:34:05,039

sts-51g

699

00:34:08,869 --> 00:34:06,720

on this mission the crew deployed and

700

00:34:10,869 --> 00:34:08,879

retrieved the spartan satellite along

701  
00:34:14,790 --> 00:34:10,879  
with several other communications

702  
00:34:17,349 --> 00:34:14,800  
satellites on march 22nd 1996 lucid

703  
00:34:18,869 --> 00:34:17,359  
launched aboard sts-76

704  
00:34:21,990 --> 00:34:18,879  
atlantis toward the russian space

705  
00:34:24,790 --> 00:34:22,000  
station mir she spent 188 days working

706  
00:34:27,190 --> 00:34:24,800  
as board engineer 2 on life and physical

707  
00:34:29,270 --> 00:34:27,200  
science experiments lucid is the only

708  
00:34:31,270 --> 00:34:29,280  
american woman to have served on the

709  
00:34:33,510 --> 00:34:31,280  
mirror president clinton

710  
00:34:36,629 --> 00:34:33,520  
presented lucid with the congressional

711  
00:34:39,909 --> 00:34:36,639  
space medal of honor in december 1996

712  
00:34:42,470 --> 00:34:39,919  
for her mission to mir marking her as

713  
00:34:45,109 --> 00:34:42,480

the first woman to receive this award

714

00:34:48,710 --> 00:34:45,119

lucid's other missions included sts-34

715

00:34:51,030 --> 00:34:48,720

atlantis sts 43 atlantis and sts 58

716

00:34:53,909 --> 00:34:51,040

columbia after serving on mir lucie

717

00:34:56,550 --> 00:34:53,919

became nasa's chief scientist at nasa

718

00:34:58,870 --> 00:34:56,560

headquarters in washington d.c she then

719

00:35:01,190 --> 00:34:58,880

went on to serve as capcom in mission

720

00:35:04,550 --> 00:35:01,200

control helping her fellow astronauts in

721

00:35:07,270 --> 00:35:04,560

space lucid retired from nasa in january

722

00:35:23,349 --> 00:35:07,280

2012. let's take a look at some video

723

00:35:28,069 --> 00:35:25,910

one we have this ignition and liftoff

724

00:35:44,470 --> 00:35:28,079

lift off of discovery and clear the

725

00:35:48,630 --> 00:35:46,710

jl was flying the orbiter and i was

726

00:35:52,550 --> 00:35:48,640

flying the arm but the arm worked as

727

00:35:59,270 --> 00:35:55,190

and ignition and liftoff of atlanta and

728

00:36:02,230 --> 00:35:59,280

the galileo spacecraft bound for jupiter

729

00:36:04,630 --> 00:36:02,240

is released ius is moving up to 58

730

00:36:08,470 --> 00:36:04,640

degrees galileo reports positive

731

00:36:13,670 --> 00:36:11,589

two one and liftoff of the space shuttle

732

00:36:18,870 --> 00:36:13,680

atlantis on a nine-day mission to deploy

733

00:36:18,880 --> 00:36:25,670

like a beautiful deploy guy

734

00:36:41,990 --> 00:36:27,670

and liftoff of colombia on a life

735

00:37:05,990 --> 00:36:44,870

mr ignition and liftoff of atlantis on

736

00:37:11,829 --> 00:37:09,510

main gear touchdown nose gear touchdown

737

00:37:13,510 --> 00:37:11,839

wrapping up a 3.9 million mile mission

738

00:37:22,870 --> 00:37:13,520

to bring shannon moose at home after a

739

00:37:39,910 --> 00:37:24,630

ladies and gentlemen

740

00:37:39,920 --> 00:38:06,470

oh

741

00:38:09,990 --> 00:38:08,310

to present shannon lucid for induction

742

00:38:11,750 --> 00:38:10,000

into the united states astronaut hall of

743

00:38:25,589 --> 00:38:11,760

fame please welcome hall of fame

744

00:38:30,310 --> 00:38:28,230

great well good afternoon shannon how

745

00:38:31,589 --> 00:38:30,320

are you doing

746

00:38:32,710 --> 00:38:31,599

super

747

00:38:35,589 --> 00:38:32,720

okay

748

00:38:38,630 --> 00:38:35,599

and good afternoon to everyone who's

749

00:38:41,430 --> 00:38:38,640

here today to see shannon lucid

750

00:38:43,589 --> 00:38:41,440

and jerry ross inducted into the

751

00:38:45,589 --> 00:38:43,599

astronaut hall of fame

752

00:38:47,589 --> 00:38:45,599

wow

753

00:38:49,109 --> 00:38:47,599

let me just tell you a little bit about

754

00:38:54,950 --> 00:38:49,119

shannon

755

00:38:57,990 --> 00:38:54,960

was born in shanghai china

756

00:39:01,430 --> 00:38:58,000

to missionary parents

757

00:39:03,430 --> 00:39:01,440

she grew up in bethany oklahoma general

758

00:39:05,750 --> 00:39:03,440

stafford likes that

759

00:39:08,550 --> 00:39:05,760

being an oklahoma man

760

00:39:11,750 --> 00:39:08,560

and shannon graduated

761

00:39:15,349 --> 00:39:11,760

with a phd in biochemistry from the

762

00:39:18,790 --> 00:39:15,359

university of oklahoma

763

00:39:21,829 --> 00:39:18,800

shannon then married mike lucid

764

00:39:25,510 --> 00:39:21,839

and they now have three children and

765

00:39:31,750 --> 00:39:28,870

shannon worked as a researcher associate

766

00:39:35,190 --> 00:39:31,760

with the oklahoma medical research

767

00:39:39,670 --> 00:39:35,200

foundation until she was selected as an

768

00:39:46,150 --> 00:39:42,630

shannon then was an astronaut for more

769

00:39:47,910 --> 00:39:46,160

than three decades

770

00:39:50,390 --> 00:39:47,920

i don't know if that's a record but

771

00:39:55,030 --> 00:39:50,400

that's a long time

772

00:39:59,430 --> 00:39:55,040

that means people liked her and her work

773

00:40:00,190 --> 00:39:59,440

she flew on five space missions

774

00:40:03,750 --> 00:40:00,200

in

775

00:40:05,030 --> 00:40:03,760

1985 aboard the discovery spaceship she

776  
00:40:09,750 --> 00:40:05,040  
deployed

777  
00:40:10,670 --> 00:40:09,760  
and ret retrieved the spartan satellite

778  
00:40:12,230 --> 00:40:10,680  
in

779  
00:40:15,750 --> 00:40:12,240  
1989

780  
00:40:18,790 --> 00:40:15,760  
shannon deployed galileo to jupiter a

781  
00:40:23,990 --> 00:40:18,800  
very important mission

782  
00:40:25,750 --> 00:40:24,000  
in 1991 august the 2nd of august

783  
00:40:29,750 --> 00:40:25,760  
shannon lucid

784  
00:40:30,630 --> 00:40:29,760  
aboard the discovery lifted off

785  
00:40:36,069 --> 00:40:30,640  
and

786  
00:40:40,069 --> 00:40:36,079  
satellite

787  
00:40:41,270 --> 00:40:40,079  
then in october of 1993

788  
00:40:43,030 --> 00:40:41,280

shannon

789

00:40:46,309 --> 00:40:43,040

launched aboard the

790

00:40:49,910 --> 00:40:46,319

columbia and conducted life science

791

00:40:52,710 --> 00:40:49,920

research for 14 days in space

792

00:40:56,390 --> 00:40:52,720

with six other crew members and i can

793

00:40:59,829 --> 00:40:56,400

tell you shannon was instrumental

794

00:41:03,510 --> 00:40:59,839

in the big success of that mission

795

00:41:07,190 --> 00:41:03,520

which nasa management recognized as

796

00:41:11,750 --> 00:41:07,200

their most successful space lab missions

797

00:41:11,760 --> 00:41:16,230

nasa was getting tired of shannon

798

00:41:22,950 --> 00:41:19,750

and decided to send her to the russians

799

00:41:25,270 --> 00:41:22,960

in the cosmonaut training center

800

00:41:27,190 --> 00:41:25,280

and so shannon went over to star city

801  
00:41:29,829 --> 00:41:27,200  
russia

802  
00:41:33,270 --> 00:41:29,839  
and there i must tell you the story is

803  
00:41:36,710 --> 00:41:33,280  
she was so popular at the time

804  
00:41:37,589 --> 00:41:36,720  
that only two other passengers joined

805  
00:41:42,470 --> 00:41:37,599  
her

806  
00:41:45,109 --> 00:41:42,480  
to russia

807  
00:41:47,349 --> 00:41:45,119  
so she was a popular astronaut at that

808  
00:41:49,430 --> 00:41:47,359  
time

809  
00:41:51,750 --> 00:41:49,440  
shannon trained at the

810  
00:41:54,470 --> 00:41:51,760  
at the gregaron cosmonaut training

811  
00:41:56,870 --> 00:41:54,480  
center for more than a year

812  
00:42:01,430 --> 00:41:56,880  
her favorite course

813  
00:42:03,589 --> 00:42:01,440

was the mere communication system

814

00:42:05,270 --> 00:42:03,599

shannon then launched aboard the

815

00:42:10,710 --> 00:42:05,280

atlantis

816

00:42:13,750 --> 00:42:10,720

in march of 1960 1996.

817

00:42:17,349 --> 00:42:13,760

she flew on mir conducting material

818

00:42:19,030 --> 00:42:17,359

science research for 188

819

00:42:20,630 --> 00:42:19,040

days

820

00:42:23,750 --> 00:42:20,640

during the mission

821

00:42:28,710 --> 00:42:23,760

she communicated a lot with her family

822

00:42:35,030 --> 00:42:31,990

prior to returning to the planet

823

00:42:37,510 --> 00:42:35,040

she told the nasa administrator

824

00:42:41,510 --> 00:42:37,520

that she wanted

825

00:42:42,630 --> 00:42:41,520

m ms when she landed

826

00:42:45,510 --> 00:42:42,640

so

827

00:42:47,910 --> 00:42:45,520

shannon returned and landed out here at

828

00:42:51,430 --> 00:42:47,920

the kennedy space center

829

00:42:53,670 --> 00:42:51,440

and the nasa administrator brought her

830

00:42:54,870 --> 00:42:53,680

the m ms into the mid-neck of the

831

00:42:57,510 --> 00:42:54,880

orbiter

832

00:42:59,589 --> 00:42:57,520

and at this point of course shannon had

833

00:43:03,109 --> 00:42:59,599

set a world

834

00:43:07,270 --> 00:43:03,119

record duration space flight that stood

835

00:43:15,030 --> 00:43:11,109

her popularity though had now soared

836

00:43:18,309 --> 00:43:15,040

she didn't return on a 747 she returned

837

00:43:20,390 --> 00:43:18,319

on a space shuttle to america

838

00:43:21,270 --> 00:43:20,400

and at this point

839

00:43:23,910 --> 00:43:21,280

uh

840

00:43:26,710 --> 00:43:23,920

she went to ellington field in houston

841

00:43:28,950 --> 00:43:26,720

and president clinton met her there her

842

00:43:31,109 --> 00:43:28,960

popularity had really

843

00:43:33,430 --> 00:43:31,119

changed

844

00:43:35,430 --> 00:43:33,440

shannon then worked as nasa's chief

845

00:43:39,030 --> 00:43:35,440

scientist

846

00:43:44,870 --> 00:43:39,040

and then became a capcom

847

00:43:49,670 --> 00:43:47,589

a few quotes from a number of crew

848

00:43:52,950 --> 00:43:49,680

members that i talked to

849

00:43:54,470 --> 00:43:52,960

uh before i was going to do this

850

00:43:56,870 --> 00:43:54,480

pretty significant

851  
00:43:58,870 --> 00:43:56,880  
these are the human side of shannon

852  
00:44:02,710 --> 00:43:58,880  
lucid quote

853  
00:44:05,190 --> 00:44:02,720  
shannon is an extraordinary woman

854  
00:44:06,470 --> 00:44:05,200  
and scientist

855  
00:44:10,150 --> 00:44:06,480  
quote

856  
00:44:11,670 --> 00:44:10,160  
she paved the way for us

857  
00:44:14,309 --> 00:44:11,680  
quote

858  
00:44:16,550 --> 00:44:14,319  
i look up to her

859  
00:44:19,589 --> 00:44:16,560  
these are a number of comments and i got

860  
00:44:23,030 --> 00:44:19,599  
many more that her peers

861  
00:44:25,349 --> 00:44:23,040  
passed on to me

862  
00:44:28,470 --> 00:44:25,359  
shannon and i were crewmates for the

863  
00:44:30,950 --> 00:44:28,480

better part of seven years

864

00:44:33,190 --> 00:44:30,960

we trained and flew on two space shuttle

865

00:44:35,750 --> 00:44:33,200

missions together

866

00:44:37,109 --> 00:44:35,760

and then we trained in star city

867

00:44:40,069 --> 00:44:37,119

together

868

00:44:43,190 --> 00:44:40,079

and had an incredible rendezvous for a

869

00:44:44,790 --> 00:44:43,200

five-day length of time on board the mir

870

00:44:47,109 --> 00:44:44,800

space station

871

00:44:48,390 --> 00:44:47,119

where she pulled me aside and said john

872

00:44:52,550 --> 00:44:48,400

come here

873

00:44:57,589 --> 00:44:52,560

let me tell you what's really going on

874

00:45:05,109 --> 00:45:02,069

my observations of shannon lucid

875

00:45:07,349 --> 00:45:05,119

number one without a doubt

876  
00:45:10,790 --> 00:45:07,359  
her entire priority

877  
00:45:13,190 --> 00:45:10,800  
she is a loving wife

878  
00:45:16,550 --> 00:45:13,200  
a wonderful mom

879  
00:45:19,670 --> 00:45:16,560  
and an incredible grandmother

880  
00:45:23,270 --> 00:45:19,680  
this is shannon lucid's focus in her

881  
00:45:26,150 --> 00:45:23,280  
life and it was the entire time i knew

882  
00:45:27,750 --> 00:45:26,160  
and trained with her

883  
00:45:32,829 --> 00:45:27,760  
number two

884  
00:45:35,750 --> 00:45:32,839  
shannon is a great space person

885  
00:45:37,670 --> 00:45:35,760  
absolutely you would want her on a

886  
00:45:41,030 --> 00:45:37,680  
mission to mars

887  
00:45:47,109 --> 00:45:41,040  
i mean this woman was made for space

888  
00:45:54,390 --> 00:45:49,109

another observation

889

00:45:54,400 --> 00:45:58,829

you can count on her

890

00:46:06,550 --> 00:46:03,030

shannon is willing to help out

891

00:46:07,750 --> 00:46:06,560

when help is needed

892

00:46:09,430 --> 00:46:07,760

shannon

893

00:46:11,349 --> 00:46:09,440

is willing

894

00:46:13,270 --> 00:46:11,359

to sit

895

00:46:17,270 --> 00:46:13,280

on the sidelines

896

00:46:21,190 --> 00:46:17,280

and help others shine

897

00:46:23,030 --> 00:46:21,200

this is a beautiful human being shannon

898

00:46:25,190 --> 00:46:23,040

lucid

899

00:46:29,349 --> 00:46:25,200

ladies and gentlemen

900

00:47:15,430 --> 00:46:29,359

please help us induct shannon lucid into

901  
00:47:21,109 --> 00:47:17,349  
thank you all so much

902  
00:47:22,630 --> 00:47:21,119  
it is a real honor to be here

903  
00:47:24,309 --> 00:47:22,640  
actually it's just a little emotional to

904  
00:47:25,910 --> 00:47:24,319  
be this close to me or because as john

905  
00:47:28,710 --> 00:47:25,920  
mentioned

906  
00:47:31,030 --> 00:47:28,720  
the last time i was this close to mir

907  
00:47:33,990 --> 00:47:31,040  
mir was talking to me uh

908  
00:47:36,390 --> 00:47:34,000  
i'm sorry to atlanta

909  
00:47:37,990 --> 00:47:36,400  
atlanta's was talking tamir and i was

910  
00:47:41,109 --> 00:47:38,000  
looking out and you'll really count on a

911  
00:47:43,589 --> 00:47:41,119  
road on the ride home until

912  
00:47:45,510 --> 00:47:43,599  
you know the shuttle has knocked a

913  
00:47:47,430 --> 00:47:45,520

mirror and i was waiting

914

00:47:50,309 --> 00:47:47,440

to see it dock so that

915

00:47:51,510 --> 00:47:50,319

i would think maybe i do have a ride

916

00:47:54,230 --> 00:47:51,520

home

917

00:47:56,710 --> 00:47:54,240

so it's a little emotional anyway thank

918

00:47:59,190 --> 00:47:56,720

you so much john for your introduction

919

00:48:01,430 --> 00:47:59,200

and as any of you who have known and

920

00:48:04,549 --> 00:48:01,440

worked with john you know

921

00:48:07,270 --> 00:48:04,559

that john has a way with words i might

922

00:48:08,150 --> 00:48:07,280

say he exaggerates a little

923

00:48:10,309 --> 00:48:08,160

but

924

00:48:11,430 --> 00:48:10,319

we always appreciate everything he has

925

00:48:13,190 --> 00:48:11,440

to say

926  
00:48:16,390 --> 00:48:13,200  
and it was john's

927  
00:48:18,390 --> 00:48:16,400  
way with words that i came to appreciate

928  
00:48:21,589 --> 00:48:18,400  
most when we were training together in

929  
00:48:24,309 --> 00:48:21,599  
star city for over a year we lived and

930  
00:48:27,270 --> 00:48:24,319  
worked together in star city and every

931  
00:48:30,710 --> 00:48:27,280  
day we would walk from our apartments

932  
00:48:32,549 --> 00:48:30,720  
over to the training session the section

933  
00:48:33,510 --> 00:48:32,559  
where we would train

934  
00:48:35,510 --> 00:48:33,520  
and

935  
00:48:37,190 --> 00:48:35,520  
all day long all we ever heard was

936  
00:48:40,309 --> 00:48:37,200  
russian

937  
00:48:43,910 --> 00:48:40,319  
for so for day in and day out week after

938  
00:48:45,910 --> 00:48:43,920

week the only english i ever heard was

939

00:48:48,549 --> 00:48:45,920

when i walked back and forth to the

940

00:48:50,790 --> 00:48:48,559

training with john and believe me

941

00:48:53,349 --> 00:48:50,800

he kept me very fluent in english as i

942

00:48:55,510 --> 00:48:53,359

listened to what he had to say

943

00:49:00,790 --> 00:48:55,520

and i really really appreciate that

944

00:49:06,069 --> 00:49:04,710

as i think back i have so much to be

945

00:49:09,270 --> 00:49:06,079

thankful for

946

00:49:10,390 --> 00:49:09,280

i am very very thankful to my parents

947

00:49:12,790 --> 00:49:10,400

for

948

00:49:16,230 --> 00:49:12,800

encouraging me to learn everything i

949

00:49:18,309 --> 00:49:16,240

possibly could about god's creation i'm

950

00:49:21,430 --> 00:49:18,319

also very thankful to the science

951  
00:49:23,589 --> 00:49:21,440  
fiction writers of the 40s and the 50s

952  
00:49:27,190 --> 00:49:23,599  
who wrote about

953  
00:49:29,750 --> 00:49:27,200  
exploring space and how they inspired

954  
00:49:32,230 --> 00:49:29,760  
the people and inspired people in our

955  
00:49:35,829 --> 00:49:32,240  
nation to get ready to think and set

956  
00:49:37,670 --> 00:49:35,839  
sort of set the stage for when we were

957  
00:49:39,829 --> 00:49:37,680  
as a nation ready to enter into the

958  
00:49:42,390 --> 00:49:39,839  
space program

959  
00:49:45,990 --> 00:49:42,400  
and along that line i am extremely

960  
00:49:48,069 --> 00:49:46,000  
thankful that our nation decided to do

961  
00:49:50,390 --> 00:49:48,079  
space exploration because obviously

962  
00:49:52,549 --> 00:49:50,400  
space exploration was not

963  
00:49:54,790 --> 00:49:52,559

part of our nation's goal when i was a

964

00:49:57,430 --> 00:49:54,800

child but we decided as a nation to do

965

00:49:58,390 --> 00:49:57,440

space exploration and i'm extremely

966

00:50:01,829 --> 00:49:58,400

thankful

967

00:50:06,950 --> 00:50:01,839

that i was able to play a small part in

968

00:50:11,829 --> 00:50:09,510

i'm also very very thankful and grateful

969

00:50:14,549 --> 00:50:11,839

to my husband mike and my three children

970

00:50:16,549 --> 00:50:14,559

who supported me and everything i did

971

00:50:18,230 --> 00:50:16,559

without them i never would have had

972

00:50:20,390 --> 00:50:18,240

without their support i never would have

973

00:50:23,030 --> 00:50:20,400

been able to have such a wonderful time

974

00:50:25,349 --> 00:50:23,040

living and working in space

975

00:50:27,190 --> 00:50:25,359

and of course i'm very thankful of being

976

00:50:29,829 --> 00:50:27,200

in the right place at the right time to

977

00:50:32,230 --> 00:50:29,839

be part of the shuttle program

978

00:50:34,950 --> 00:50:32,240

now the shuttle was a very awesome

979

00:50:38,710 --> 00:50:34,960

platform for us as a nation to learn

980

00:50:40,950 --> 00:50:38,720

what it takes to live and work in space

981

00:50:43,109 --> 00:50:40,960

now in hindsight sort of as we look in

982

00:50:44,230 --> 00:50:43,119

the river view mirror at the shuttle

983

00:50:46,470 --> 00:50:44,240

program

984

00:50:48,870 --> 00:50:46,480

i think that there are three gifts that

985

00:50:51,510 --> 00:50:48,880

the shuttle has given us as we plan for

986

00:50:54,150 --> 00:50:51,520

the future plan to go on leave low earth

987

00:50:56,630 --> 00:50:54,160

orbit now if you ask anybody else they

988

00:50:58,230 --> 00:50:56,640

would have a different list but these

989

00:51:00,710 --> 00:50:58,240

are the three things that i think that

990

00:51:02,309 --> 00:51:00,720

the shuttle has given us and i hope that

991

00:51:03,589 --> 00:51:02,319

we build on

992

00:51:06,230 --> 00:51:03,599

the first one

993

00:51:09,589 --> 00:51:06,240

is that the shuttle has enabled

994

00:51:11,030 --> 00:51:09,599

hundreds of people to live and work in

995

00:51:13,430 --> 00:51:11,040

space

996

00:51:15,349 --> 00:51:13,440

and more important than the number is

997

00:51:17,349 --> 00:51:15,359

the great diversity of the group of

998

00:51:18,790 --> 00:51:17,359

people that have been able to live and

999

00:51:21,030 --> 00:51:18,800

work in space

1000

00:51:23,030 --> 00:51:21,040

the shuttles show that the experience

1001  
00:51:24,309 --> 00:51:23,040  
experience of living and working in

1002  
00:51:25,750 --> 00:51:24,319  
space

1003  
00:51:27,750 --> 00:51:25,760  
is not

1004  
00:51:31,030 --> 00:51:27,760  
limited by gender

1005  
00:51:33,750 --> 00:51:31,040  
race nationality or even by your

1006  
00:51:36,309 --> 00:51:33,760  
specific background experience the

1007  
00:51:39,109 --> 00:51:36,319  
shuttle demonstrated almost with every

1008  
00:51:44,390 --> 00:51:39,119  
flight that all types of human beings

1009  
00:51:47,589 --> 00:51:46,150  
the second gift

1010  
00:51:49,510 --> 00:51:47,599  
was that the shuttle enabled us to

1011  
00:51:51,910 --> 00:51:49,520  
experience the importance of

1012  
00:51:54,150 --> 00:51:51,920  
international cooperation for uh space

1013  
00:51:56,630 --> 00:51:54,160

exploration this was really brought home

1014

00:51:59,910 --> 00:51:56,640

to me one night on mir when i was there

1015

00:52:01,349 --> 00:51:59,920

with my two crewmates yuri and yuri and

1016

00:52:03,750 --> 00:52:01,359

we were sort of floating around the

1017

00:52:05,750 --> 00:52:03,760

table and we had supper and we were

1018

00:52:07,670 --> 00:52:05,760

talking about our uh

1019

00:52:09,750 --> 00:52:07,680

childhood experiences

1020

00:52:11,349 --> 00:52:09,760

and yuri on honor franco was talking

1021

00:52:13,270 --> 00:52:11,359

about growing up in a small village in

1022

00:52:14,870 --> 00:52:13,280

the ukraine and yuri usa chef was

1023

00:52:17,589 --> 00:52:14,880

talking about a small village that he

1024

00:52:19,750 --> 00:52:17,599

grew up in eastern siberia and not to be

1025

00:52:22,150 --> 00:52:19,760

outdone i was talking about the small

1026  
00:52:23,670 --> 00:52:22,160  
village i grew up in oklahoma

1027  
00:52:29,030 --> 00:52:23,680  
and

1028  
00:52:31,030 --> 00:52:29,040  
that

1029  
00:52:32,710 --> 00:52:31,040  
when they were children

1030  
00:52:34,150 --> 00:52:32,720  
their biggest fear

1031  
00:52:36,390 --> 00:52:34,160  
was that

1032  
00:52:37,430 --> 00:52:36,400  
an american bomber would fly over their

1033  
00:52:40,069 --> 00:52:37,440  
village

1034  
00:52:40,870 --> 00:52:40,079  
and destroy it with atomic bomb

1035  
00:52:42,549 --> 00:52:40,880  
well

1036  
00:52:45,030 --> 00:52:42,559  
when i was growing up in bethany

1037  
00:52:47,270 --> 00:52:45,040  
oklahoma we all knew that we were the

1038  
00:52:50,549 --> 00:52:47,280

main target for the russians to come

1039

00:52:52,390 --> 00:52:50,559

over with their atomic bomb i mean in

1040

00:52:53,990 --> 00:52:52,400

school we would have atomic bomb drills

1041

00:52:56,390 --> 00:52:54,000

when we would you know get underneath

1042

00:52:58,870 --> 00:52:56,400

the desk now what that would do for us i

1043

00:53:00,150 --> 00:52:58,880

never figured out but we practiced and

1044

00:53:01,190 --> 00:53:00,160

we were good at getting underneath the

1045

00:53:02,790 --> 00:53:01,200

desk

1046

00:53:04,870 --> 00:53:02,800

and so we sat there and we just sort of

1047

00:53:07,270 --> 00:53:04,880

looked at each other in amazement to

1048

00:53:09,109 --> 00:53:07,280

think that this is

1049

00:53:12,390 --> 00:53:09,119

what we grew up with

1050

00:53:14,549 --> 00:53:12,400

and to then to think that here we were

1051

00:53:16,470 --> 00:53:14,559

living and working together

1052

00:53:18,150 --> 00:53:16,480

daily

1053

00:53:20,470 --> 00:53:18,160

on you know one american and two

1054

00:53:22,309 --> 00:53:20,480

russians on a russian space station now

1055

00:53:24,470 --> 00:53:22,319

no science fiction writer would have

1056

00:53:26,790 --> 00:53:24,480

ever put that in their plot line back in

1057

00:53:28,710 --> 00:53:26,800

the early 60s because it would have been

1058

00:53:31,990 --> 00:53:28,720

too implausible and nobody would have

1059

00:53:34,470 --> 00:53:32,000

ever published that story

1060

00:53:36,390 --> 00:53:34,480

and thirdly i th the

1061

00:53:37,670 --> 00:53:36,400

last gift that i mentioned that the

1062

00:53:39,109 --> 00:53:37,680

shuttle gave us

1063

00:53:41,349 --> 00:53:39,119

is iss

1064

00:53:43,589 --> 00:53:41,359

the international space station is an

1065

00:53:45,910 --> 00:53:43,599

amazing home an amazing

1066

00:53:48,470 --> 00:53:45,920

laboratory in low earth orbit

1067

00:53:51,270 --> 00:53:48,480

many nations are right now every day

1068

00:53:54,870 --> 00:53:51,280

year in and year out learning how to

1069

00:53:57,109 --> 00:53:54,880

live and work in space

1070

00:54:00,710 --> 00:53:57,119

hopefully these three gifts that the

1071

00:54:04,470 --> 00:54:00,720

shuttle uh has given us will within our

1072

00:54:08,069 --> 00:54:04,480

lifetime enable us once again to marvel

1073

00:54:09,190 --> 00:54:08,079

as citizens of earth set foot on other

1074

00:54:16,790 --> 00:54:09,200

worlds

1075

00:54:20,790 --> 00:54:18,950

congratulations shannon lucid and

1076  
00:54:24,069 --> 00:54:20,800  
welcome to the united states astronaut

1077  
00:54:26,390 --> 00:54:24,079  
hall of fame

1078  
00:54:28,309 --> 00:54:26,400  
our second inductee

1079  
00:54:30,630 --> 00:54:28,319  
is jerry ross

1080  
00:54:31,990 --> 00:54:30,640  
jerry ross a retired united states air

1081  
00:54:33,670 --> 00:54:32,000  
force colonel

1082  
00:54:35,589 --> 00:54:33,680  
entered active duty with the air force

1083  
00:54:37,510 --> 00:54:35,599  
in 1972

1084  
00:54:39,829 --> 00:54:37,520  
and became a payload officer flight

1085  
00:54:42,390 --> 00:54:39,839  
controller at the lyndon b johnson space

1086  
00:54:44,870 --> 00:54:42,400  
center in 1979

1087  
00:54:45,910 --> 00:54:44,880  
ross flew as a mission specialist for

1088  
00:54:48,789 --> 00:54:45,920

six

1089

00:54:50,390 --> 00:54:48,799

of his record-holding seven

1090

00:54:53,430 --> 00:54:50,400

flights to space

1091

00:54:57,510 --> 00:54:53,440

and logged 1000

1092

00:55:01,030 --> 00:54:57,520

hours in space including 58 hours and 18

1093

00:55:02,870 --> 00:55:01,040

minutes during nine space walks

1094

00:55:06,710 --> 00:55:02,880

ross spent a considerable amount of time

1095

00:55:08,710 --> 00:55:06,720

between 1998 and 2002 working on the

1096

00:55:10,710 --> 00:55:08,720

international space station

1097

00:55:13,990 --> 00:55:10,720

endeavour launched the first iss

1098

00:55:17,430 --> 00:55:14,000

assembly mission sts-88 in december

1099

00:55:20,230 --> 00:55:17,440

1998. it was a 12-day mission during

1100

00:55:22,789 --> 00:55:20,240

which ross completed three spacewalks

1101  
00:55:25,109 --> 00:55:22,799  
and aided in connecting umbilical cords

1102  
00:55:27,750 --> 00:55:25,119  
between the u.s unity module and the

1103  
00:55:30,390 --> 00:55:27,760  
unmanned russian zarya module

1104  
00:55:32,950 --> 00:55:30,400  
five of ross's seven flights were flown

1105  
00:55:34,710 --> 00:55:32,960  
on space shuttle atlantis in between his

1106  
00:55:38,950 --> 00:55:34,720  
first launch into space in november of

1107  
00:55:41,589 --> 00:55:38,960  
1986 aboard sts-61b atlantis and his

1108  
00:55:45,309 --> 00:55:41,599  
last on april 8 2002

1109  
00:55:50,150 --> 00:55:45,319  
with sts-110 atlantis he also flew

1110  
00:55:52,069 --> 00:55:50,160  
sts-27 atlantis sts 37 atlantis sts 55

1111  
00:55:55,670 --> 00:55:52,079  
columbia and then back to atlantis on

1112  
00:55:58,470 --> 00:55:55,680  
74. we get that right

1113  
00:56:01,910 --> 00:55:58,480

throughout his career ross received 15

1114

00:56:04,549 --> 00:56:01,920

nasa medals and was awarded the american

1115

00:56:07,270 --> 00:56:04,559

astronomical society's victory pray the

1116

00:56:08,390 --> 00:56:07,280

reward for his numerous spacewalking

1117

00:56:11,030 --> 00:56:08,400

achievements

1118

00:56:14,630 --> 00:56:11,040

from 2003 until his retirement from nasa

1119

00:56:17,349 --> 00:56:14,640

in january 2012 ross served as chief of

1120

00:56:19,589 --> 00:56:17,359

the vehicle integration test office at

1121

00:56:21,750 --> 00:56:19,599

johnson space center

1122

00:56:24,789 --> 00:56:21,760

spacewalker my journey in space and

1123

00:56:27,990 --> 00:56:24,799

faith as nasa's record-setting frequent

1124

00:56:30,549 --> 00:56:28,000

flyer is ross's recently published

1125

00:56:51,030 --> 00:56:30,559

autobiography let's take a look at some

1126  
00:56:51,040 --> 00:57:05,349  
shuttle and it has pulled the tower

1127  
00:57:05,359 --> 00:57:23,030  
so

1128  
00:57:30,710 --> 00:57:25,270  
okay i've got my proposal that we build

1129  
00:57:30,720 --> 00:57:51,910  
no big deal nice to the right great

1130  
00:58:03,270 --> 00:57:55,270  
atlantis with the russian docking module

1131  
00:58:06,950 --> 00:58:05,190  
that a lot of long hours working hard to

1132  
00:58:08,789 --> 00:58:06,960  
get us ready to go fly just really do

1133  
00:58:10,390 --> 00:58:08,799  
appreciate it we look forward to getting

1134  
00:58:34,230 --> 00:58:10,400  
home and sharing all the experiences

1135  
00:58:38,309 --> 00:58:36,549  
i'd just like to uh thank nasa thank the

1136  
00:58:39,990 --> 00:58:38,319  
country for the tremendous opportunities

1137  
00:58:45,510 --> 00:58:40,000  
i've had to serve with them thank you

1138  
00:58:59,109 --> 00:58:47,190

ladies and gentlemen astronaut jerry

1139

00:58:59,119 --> 00:59:09,750

gary

1140

00:59:13,270 --> 00:59:11,510

to present jerry for introduction to the

1141

00:59:15,589 --> 00:59:13,280

united states astronaut hall of fame

1142

00:59:24,470 --> 00:59:15,599

please welcome hall of fame astronaut

1143

00:59:30,549 --> 00:59:25,829

thank you

1144

00:59:32,710 --> 00:59:30,559

part of your really special day and

1145

00:59:34,950 --> 00:59:32,720

you know jerry asked me to to take this

1146

00:59:37,670 --> 00:59:34,960

part for him today and then asked me to

1147

00:59:39,109 --> 00:59:37,680

be very gentle and uh

1148

00:59:40,950 --> 00:59:39,119

and then i got to thinking i could be

1149

00:59:42,549 --> 00:59:40,960

gentle but i know a whole bunch of other

1150

00:59:45,190 --> 00:59:42,559

astronauts were going to contribute to

1151  
00:59:47,510 --> 00:59:45,200  
today's statements about jerry but first

1152  
00:59:49,589 --> 00:59:47,520  
i want to recognize some very very

1153  
00:59:51,430 --> 00:59:49,599  
important people here today with jerry

1154  
00:59:52,630 --> 00:59:51,440  
his lovely wife karen

1155  
00:59:53,910 --> 00:59:52,640  
and his

1156  
00:59:57,750 --> 00:59:53,920  
his son

1157  
01:00:02,630 --> 01:00:00,470  
and his sisters judy and janet

1158  
01:00:05,109 --> 01:00:02,640  
and karen's mom is here and she just

1159  
01:00:13,349 --> 01:00:05,119  
turned 90. wilma we're really thankful

1160  
01:00:18,150 --> 01:00:15,990  
well jerry of course uh has got a number

1161  
01:00:20,309 --> 01:00:18,160  
of firsts and a number of records and he

1162  
01:00:21,829 --> 01:00:20,319  
has uh set some really accomplished

1163  
01:00:23,670 --> 01:00:21,839

numbers that i'd like to share with you

1164

01:00:25,670 --> 01:00:23,680

today but first

1165

01:00:28,549 --> 01:00:25,680

as a purdue graduate and an air force

1166

01:00:32,230 --> 01:00:28,559

guy i i can identify with jerry in many

1167

01:00:34,390 --> 01:00:32,240

many ways uh as i followed him into my

1168

01:00:35,990 --> 01:00:34,400

career as an astronaut jerry had been at

1169

01:00:37,510 --> 01:00:36,000

edwards as a

1170

01:00:39,829 --> 01:00:37,520

flight test engineer graduate of the

1171

01:00:42,150 --> 01:00:39,839

test pilot school out there and a flight

1172

01:00:44,069 --> 01:00:42,160

test engineer on the b1 bomber when it

1173

01:00:45,829 --> 01:00:44,079

went early into its test work in

1174

01:00:48,630 --> 01:00:45,839

stability and control

1175

01:00:49,910 --> 01:00:48,640

and i followed jerry here almost 10

1176

01:00:52,789 --> 01:00:49,920

years later he was a member of the 80

1177

01:00:54,549 --> 01:00:52,799

class and i came in in 1990 and i had my

1178

01:00:57,190 --> 01:00:54,559

first chance to witness jerry when he

1179

01:00:57,990 --> 01:00:57,200

was preparing for sts-37

1180

01:00:59,430 --> 01:00:58,000

and

1181

01:01:02,150 --> 01:00:59,440

as i mentioned there's some neat stories

1182

01:01:03,670 --> 01:01:02,160

about jerry that come from other folks

1183

01:01:05,829 --> 01:01:03,680

and there's going to be a theme to this

1184

01:01:07,990 --> 01:01:05,839

it's called eva

1185

01:01:10,309 --> 01:01:08,000

spacewalking

1186

01:01:12,789 --> 01:01:10,319

but he has another passion for flying in

1187

01:01:15,589 --> 01:01:12,799

space and it's called ham radio

1188

01:01:17,829 --> 01:01:15,599

and uh his crew steve nagle

1189

01:01:20,549 --> 01:01:17,839

and ken cameron and linda godwin and j

1190

01:01:22,150 --> 01:01:20,559

apt had all gotten their uh ham radio

1191

01:01:24,710 --> 01:01:22,160

licenses so that they could speak with

1192

01:01:27,349 --> 01:01:24,720

kids around the world from on orbit

1193

01:01:30,069 --> 01:01:27,359

and jerry was reluctant he was too busy

1194

01:01:32,230 --> 01:01:30,079

with preparing for his spacewalk and

1195

01:01:34,390 --> 01:01:32,240

ken cameron kept putting this book in

1196

01:01:35,750 --> 01:01:34,400

front of him on his desk saying here's

1197

01:01:37,910 --> 01:01:35,760

you got to get this license here's what

1198

01:01:40,150 --> 01:01:37,920

you got to study to learn ham radio

1199

01:01:41,510 --> 01:01:40,160

license stuff and jerry kept pushing it

1200

01:01:42,710 --> 01:01:41,520

away and every time you come back to the

1201

01:01:44,150 --> 01:01:42,720

office the book would be back in the

1202

01:01:46,549 --> 01:01:44,160

middle of the desk and

1203

01:01:48,390 --> 01:01:46,559

eventually at some point jerry fessed up

1204

01:01:49,829 --> 01:01:48,400

and said okay if we slip a month i'll go

1205

01:01:51,430 --> 01:01:49,839

get my license

1206

01:01:54,549 --> 01:01:51,440

and sure enough the flight slipped so

1207

01:01:56,950 --> 01:01:54,559

jerry had to go do it

1208

01:01:58,789 --> 01:01:56,960

but it gets better because early in the

1209

01:02:00,870 --> 01:01:58,799

days of getting your ham license you had

1210

01:02:03,029 --> 01:02:00,880

to do morse code and if you've ever done

1211

01:02:04,870 --> 01:02:03,039

morse code it's really hard

1212

01:02:06,630 --> 01:02:04,880

well the crew didn't tell jerry that

1213

01:02:10,390 --> 01:02:06,640

they removed that requirement from the

1214

01:02:14,390 --> 01:02:12,549

so that jerry went and worked really

1215

01:02:16,710 --> 01:02:14,400

really hard got his license and they

1216

01:02:20,309 --> 01:02:16,720

didn't tell him for months

1217

01:02:23,750 --> 01:02:22,230

jerry went out on sts-37 and they

1218

01:02:26,549 --> 01:02:23,760

deployed the gamma-ray observatory and

1219

01:02:28,230 --> 01:02:26,559

he conducted spacewalk and became known

1220

01:02:30,549 --> 01:02:28,240

as one of the greatest most prolific and

1221

01:02:31,750 --> 01:02:30,559

most capable of our spacewalkers which

1222

01:02:33,190 --> 01:02:31,760

i'll talk a little bit more about but

1223

01:02:34,870 --> 01:02:33,200

there was a little interlude in that and

1224

01:02:36,789 --> 01:02:34,880

that's when i got to fly with jerry on

1225

01:02:39,270 --> 01:02:36,799

sts-55

1226

01:02:42,630 --> 01:02:39,280

and jerry was downtrodden because he was

1227

01:02:44,710 --> 01:02:42,640

going to be in the laboratory 24 7 365

1228

01:02:46,710 --> 01:02:44,720

with no windows let alone being able to

1229

01:02:48,710 --> 01:02:46,720

go outside

1230

01:02:50,069 --> 01:02:48,720

so he kept asking these questions like

1231

01:02:51,750 --> 01:02:50,079

don't we need to do an experiment

1232

01:02:52,870 --> 01:02:51,760

outside for science with me doing a

1233

01:02:54,549 --> 01:02:52,880

spacewalk

1234

01:02:57,349 --> 01:02:54,559

or or we're going to send all this

1235

01:02:59,349 --> 01:02:57,359

science down by the ku antenna via radio

1236

01:03:02,230 --> 01:02:59,359

transmissions maybe we can break the

1237

01:03:04,470 --> 01:03:02,240

antenna and i can go out and fix it but

1238

01:03:06,710 --> 01:03:04,480

it was not to be so we heard nothing but

1239

01:03:08,470 --> 01:03:06,720

eva can i do an eva throughout the

1240

01:03:09,589 --> 01:03:08,480

training and preparation for the for the

1241

01:03:11,990 --> 01:03:09,599

flight so there was this really

1242

01:03:14,549 --> 01:03:12,000

tremendous photograph that was taken on

1243

01:03:16,950 --> 01:03:14,559

sts-37 of jerry really close to the the

1244

01:03:17,750 --> 01:03:16,960

window at the aft cockpit in the flight

1245

01:03:19,510 --> 01:03:17,760

deck

1246

01:03:21,670 --> 01:03:19,520

and jerry's face is about filling the

1247

01:03:23,430 --> 01:03:21,680

window as it was taken by those

1248

01:03:25,109 --> 01:03:23,440

astronauts at the time his crewmates

1249

01:03:27,430 --> 01:03:25,119

that took the picture it was beautiful

1250

01:03:30,150 --> 01:03:27,440

photo and so we cut it out in the exact

1251

01:03:33,270 --> 01:03:30,160

shape of the window and we put it on the

1252

01:03:35,670 --> 01:03:33,280

aft window of the flight deck

1253

01:03:38,630 --> 01:03:35,680

and it was covered for launch by a cover

1254

01:03:41,430 --> 01:03:38,640

so jerry didn't know the photo was there

1255

01:03:43,910 --> 01:03:41,440

and when we got on orbit it was time for

1256

01:03:46,390 --> 01:03:43,920

us to prepare for orbit activities and

1257

01:03:48,549 --> 01:03:46,400

jerry's job in post insertion or on

1258

01:03:50,630 --> 01:03:48,559

orbit preparation was to go around and

1259

01:03:52,309 --> 01:03:50,640

take all the window covers off and we're

1260

01:03:54,069 --> 01:03:52,319

all looking at jerry wondering what's he

1261

01:03:55,910 --> 01:03:54,079

going to do when the window come cover

1262

01:03:57,829 --> 01:03:55,920

comes off and sure enough off comes the

1263

01:04:00,950 --> 01:03:57,839

window cover he's looking rated himself

1264

01:04:02,950 --> 01:04:00,960

in the face and he this whoop went out

1265

01:04:04,710 --> 01:04:02,960

and he did back splits right there on

1266

01:04:06,309 --> 01:04:04,720

the mid deck

1267

01:04:07,750 --> 01:04:06,319

so we took the photo out of the window

1268

01:04:09,589 --> 01:04:07,760

and took it down to the lab as a

1269

01:04:11,270 --> 01:04:09,599

constant reminder for 10 days while it

1270

01:04:13,589 --> 01:04:11,280

was toiling in the laboratory to see

1271

01:04:15,829 --> 01:04:13,599

himself in the window out through the

1272

01:04:18,630 --> 01:04:15,839

space shuttle but i hope i'm giving you

1273

01:04:21,029 --> 01:04:18,640

a flavor for this man's passion his pure

1274

01:04:23,349 --> 01:04:21,039

raw skill and his integrity and his

1275

01:04:24,549 --> 01:04:23,359

ability to pass on the experience to

1276

01:04:26,950 --> 01:04:24,559

others

1277

01:04:29,029 --> 01:04:26,960

jerry was a tremendous mentor of mine

1278

01:04:32,230 --> 01:04:29,039

and uh and the camaraderie that we

1279

01:04:34,549 --> 01:04:32,240

developed uh went on for many many years

1280

01:04:37,029 --> 01:04:34,559

i mentioned jerry's setting numerous

1281

01:04:39,589 --> 01:04:37,039

firsts as well as records i think a jury

1282

01:04:41,430 --> 01:04:39,599

with the numbers seven eight and nine

1283

01:04:43,750 --> 01:04:41,440

uh when when i became the chief

1284

01:04:46,230 --> 01:04:43,760

astronaut uh jerry had flown six

1285

01:04:48,630 --> 01:04:46,240

missions and there was this belief that

1286

01:04:49,750 --> 01:04:48,640

you no one would ever get past that six

1287

01:04:51,750 --> 01:04:49,760

threshold

1288

01:04:52,630 --> 01:04:51,760

and we had many many conversations about

1289

01:04:54,870 --> 01:04:52,640

that

1290

01:04:56,549 --> 01:04:54,880

and jerry had become a real mentor for

1291

01:04:58,150 --> 01:04:56,559

many of the other younger astronauts as

1292

01:05:00,390 --> 01:04:58,160

we were really ramping up to fly on

1293

01:05:02,150 --> 01:05:00,400

space station and do a lot of ebas and

1294

01:05:04,150 --> 01:05:02,160

he took that with a great passion and

1295

01:05:06,789 --> 01:05:04,160

instilled a lot of experience in the

1296

01:05:08,470 --> 01:05:06,799

junior astronauts at the time but we got

1297

01:05:10,069 --> 01:05:08,480

jerry that opportunity to fly that

1298

01:05:11,670 --> 01:05:10,079

seventh mission

1299

01:05:13,430 --> 01:05:11,680

but it was also a number eight right

1300

01:05:16,069 --> 01:05:13,440

behind it because when we flew together

1301

01:05:18,630 --> 01:05:16,079

on sts-55 we had a main engine cutoff on

1302

01:05:20,230 --> 01:05:18,640

the launch pad we call it miko

1303

01:05:21,190 --> 01:05:20,240

main engine cutoff happened a little bit

1304

01:05:23,270 --> 01:05:21,200

early

1305

01:05:25,190 --> 01:05:23,280

so jerry's had seven space flights but

1306

01:05:28,069 --> 01:05:25,200

eight main engine cutoffs

1307

01:05:29,910 --> 01:05:28,079

which is in itself yet another record

1308

01:05:32,150 --> 01:05:29,920

and then nine of course is his nine

1309

01:05:34,230 --> 01:05:32,160

space walks where he did a tremendous

1310

01:05:36,549 --> 01:05:34,240

job uh getting us all the way through

1311

01:05:38,150 --> 01:05:36,559

numerous experiments on orbit launching

1312

01:05:40,150 --> 01:05:38,160

and deploying satellites but also

1313

01:05:42,710 --> 01:05:40,160

assembling today's marvelous space

1314

01:05:45,589 --> 01:05:43,510

so

1315

01:05:47,510 --> 01:05:45,599

as we look and think about what's going

1316

01:05:50,470 --> 01:05:47,520

to happen in the future we often get

1317

01:05:53,589 --> 01:05:50,480

asked as astronauts to advise young kids

1318

01:05:55,589 --> 01:05:53,599

we all go to school presentations we

1319

01:05:57,510 --> 01:05:55,599

have chance to see younger kids who

1320

01:05:59,510 --> 01:05:57,520

dream of having the same experience that

1321

01:06:00,390 --> 01:05:59,520

we do and they always ask what kind of

1322

01:06:02,230 --> 01:06:00,400

advice

1323

01:06:03,750 --> 01:06:02,240

can you give us about our career when i

1324

01:06:05,670 --> 01:06:03,760

hear that question i always think of

1325

01:06:07,109 --> 01:06:05,680

jerry because of his passion

1326

01:06:09,349 --> 01:06:07,119

his endless

1327

01:06:11,510 --> 01:06:09,359

uh work ethic to get things done and to

1328

01:06:13,829 --> 01:06:11,520

always do things with the utmost of

1329

01:06:15,190 --> 01:06:13,839

skill and and deliberation and getting

1330

01:06:17,910 --> 01:06:15,200

it done right

1331

01:06:19,990 --> 01:06:17,920

and and so he is a model for all of us

1332

01:06:22,150 --> 01:06:20,000

he's been an inspiration to us for many

1333

01:06:23,670 --> 01:06:22,160

many years so we're here today to

1334

01:06:25,589 --> 01:06:23,680

celebrate jerry's latest great

1335

01:06:27,430 --> 01:06:25,599

achievement and from all of us at the

1336

01:06:29,190 --> 01:06:27,440

astronaut scholarship foundation

1337

01:07:13,190 --> 01:06:29,200

congratulations jerry and welcome to the

1338

01:07:17,829 --> 01:07:16,150

wow uh thank you charlie

1339

01:07:19,109 --> 01:07:17,839

i knew i made the right decision when i

1340

01:07:27,510 --> 01:07:19,119

asked you to introduce me instead of

1341

01:07:31,750 --> 01:07:29,910

it is an honor to be here today and i am

1342

01:07:33,270 --> 01:07:31,760

especially delighted that the ceremony

1343

01:07:35,750 --> 01:07:33,280

is being held here

1344

01:07:37,829 --> 01:07:35,760

in the new atlantis facility with my

1345

01:07:39,109 --> 01:07:37,839

favorite space shuttle hanging over our

1346

01:07:40,870 --> 01:07:39,119

heads

1347

01:07:43,430 --> 01:07:40,880

i really do think that the visitor

1348

01:07:44,870 --> 01:07:43,440

center and ksc have done a marvelous job

1349

01:07:47,029 --> 01:07:44,880

and the way they have put this

1350

01:07:48,549 --> 01:07:47,039

tremendous vehicle on display and i'd

1351

01:07:51,109 --> 01:07:48,559

like us all to give them a round of

1352

01:07:51,119 --> 01:07:57,430

thank you theron

1353

01:08:02,150 --> 01:07:59,510

and thank you all for coming today for a

1354

01:08:04,150 --> 01:08:02,160

day of celebration and remembering

1355

01:08:06,390 --> 01:08:04,160

uh first of all i'd want to thank my

1356

01:08:08,230 --> 01:08:06,400

parents don and phyllis ross who are no

1357

01:08:10,390 --> 01:08:08,240

longer with us

1358

01:08:12,309 --> 01:08:10,400

and also my sisters judy and janet who

1359

01:08:14,710 --> 01:08:12,319

are here today

1360

01:08:16,950 --> 01:08:14,720

uh thank you to my wife karen

1361

01:08:19,590 --> 01:08:16,960

daughter amy and son scott

1362

01:08:21,990 --> 01:08:19,600

for all of your support and love over

1363

01:08:24,309 --> 01:08:22,000

the years that have allowed me to do and

1364

01:08:25,829 --> 01:08:24,319

see things that i never hope to be able

1365

01:08:28,709 --> 01:08:25,839

to see in my life they're all so

1366

01:08:30,550 --> 01:08:28,719

incredible and i still smile every day

1367

01:08:33,749 --> 01:08:30,560

when i get up thinking about all the

1368

01:08:36,829 --> 01:08:33,759

things that i've been able to uh to do

1369

01:08:43,189 --> 01:08:36,839

to my granddaughters cassidy katie and

1370

01:08:46,950 --> 01:08:44,789

and thank you also to the rest of my

1371

01:08:49,269 --> 01:08:46,960

extended family who's here and what

1372

01:08:51,189 --> 01:08:49,279

includes what charlie already indicated

1373

01:08:55,189 --> 01:08:51,199

my mother-in-law wilma pearson who

1374

01:08:57,510 --> 01:08:55,199

recently celebrated her 90th birthday

1375

01:08:58,789 --> 01:08:57,520

is bob seek here

1376

01:09:03,269 --> 01:08:58,799

bob

1377

01:09:04,870 --> 01:09:03,279

committee were responsible for the

1378

01:09:07,189 --> 01:09:04,880

selection of shannon and me to be

1379

01:09:09,269 --> 01:09:07,199

inducted this year and bob i just want

1380

01:09:11,430 --> 01:09:09,279

to tell you that i've always liked you

1381

01:09:13,910 --> 01:09:11,440

i've always respected you

1382

01:09:21,430 --> 01:09:13,920

and now i really really like you thank

1383

01:09:24,470 --> 01:09:22,709

you know being selected for the

1384

01:09:26,630 --> 01:09:24,480

astronaut hall of fame is indeed an

1385

01:09:28,950 --> 01:09:26,640

honor and i would like to thank my

1386

01:09:30,630 --> 01:09:28,960

childhood heroes as well

1387

01:09:32,309 --> 01:09:30,640

that's the original seven mercury

1388

01:09:34,470 --> 01:09:32,319

astronauts who

1389

01:09:36,390 --> 01:09:34,480

uh established and nurtured

1390

01:09:39,189 --> 01:09:36,400

this institution

1391

01:09:41,189 --> 01:09:39,199

as well as the astronaut hall of fame

1392

01:09:43,749 --> 01:09:41,199

it's a real thrill for me to be inducted

1393

01:09:45,990 --> 01:09:43,759

into the hall with my personal heroes

1394

01:09:48,470 --> 01:09:46,000

and indeed heroes of americans and

1395

01:09:50,309 --> 01:09:48,480

peoples all around the world

1396

01:09:52,149 --> 01:09:50,319

it's also an honor for me to join all

1397

01:09:54,390 --> 01:09:52,159

these characters behind me who i had the

1398

01:09:55,990 --> 01:09:54,400

pleasure of working with and flying with

1399

01:09:58,709 --> 01:09:56,000

for many years while i was in the

1400

01:10:00,709 --> 01:09:58,719

astronaut office

1401  
01:10:02,390 --> 01:10:00,719  
throughout my astronaut career and since

1402  
01:10:05,189 --> 01:10:02,400  
my speaking engagements

1403  
01:10:07,030 --> 01:10:05,199  
have concentrated on school children

1404  
01:10:08,870 --> 01:10:07,040  
and trying to get them to be excited

1405  
01:10:11,189 --> 01:10:08,880  
about their futures

1406  
01:10:12,149 --> 01:10:11,199  
to consider what their god-given talents

1407  
01:10:14,470 --> 01:10:12,159  
are

1408  
01:10:15,750 --> 01:10:14,480  
and to set goals based upon those

1409  
01:10:17,910 --> 01:10:15,760  
talents

1410  
01:10:19,590 --> 01:10:17,920  
than to study hard

1411  
01:10:21,430 --> 01:10:19,600  
to work hard

1412  
01:10:23,669 --> 01:10:21,440  
and to not give up too easily in the

1413  
01:10:25,430 --> 01:10:23,679

pursuit of their goals

1414

01:10:27,110 --> 01:10:25,440

i am delighted now to have the

1415

01:10:29,430 --> 01:10:27,120

opportunity to encourage our future

1416

01:10:30,950 --> 01:10:29,440

leaders in space exploration

1417

01:10:34,550 --> 01:10:30,960

through the ongoing efforts of the

1418

01:10:35,669 --> 01:10:34,560

astronaut scholarship foundation

1419

01:10:38,149 --> 01:10:35,679

you know when

1420

01:10:40,310 --> 01:10:38,159

dan branstein called me

1421

01:10:41,750 --> 01:10:40,320

back in january to congratulate me on my

1422

01:10:42,870 --> 01:10:41,760

selection into the astronaut hall of

1423

01:10:45,110 --> 01:10:42,880

fame

1424

01:10:48,070 --> 01:10:45,120

the first thing i thought was

1425

01:10:51,110 --> 01:10:48,080

man i really am getting old

1426

01:10:55,510 --> 01:10:53,189

uh but when dan told me that uh shannon

1427

01:10:56,630 --> 01:10:55,520

was the other member of this class i was

1428

01:10:59,750 --> 01:10:56,640

delighted

1429

01:11:00,870 --> 01:10:59,760

that my sister was going to be inducted

1430

01:11:02,310 --> 01:11:00,880

with me

1431

01:11:04,470 --> 01:11:02,320

that's right you heard it correctly

1432

01:11:07,430 --> 01:11:04,480

shannon is my sister

1433

01:11:10,390 --> 01:11:07,440

well at least sort of

1434

01:11:12,149 --> 01:11:10,400

you see shannon and i did a public

1435

01:11:13,510 --> 01:11:12,159

appearance in china quite a few years

1436

01:11:16,790 --> 01:11:13,520

ago now

1437

01:11:18,470 --> 01:11:16,800

and i took my mother along on that trip

1438

01:11:19,910 --> 01:11:18,480

and shannon and my mother hit it off

1439

01:11:22,470 --> 01:11:19,920

right away

1440

01:11:24,550 --> 01:11:22,480

they bonded and it wasn't long before

1441

01:11:27,270 --> 01:11:24,560

they were picking on me just like my two

1442

01:11:29,990 --> 01:11:27,280

sisters do

1443

01:11:31,990 --> 01:11:30,000

so shannon became my other sister

1444

01:11:36,550 --> 01:11:32,000

and frankly shannon i always thought two

1445

01:11:40,870 --> 01:11:38,870

i remembered making scrapbooks about

1446

01:11:42,470 --> 01:11:40,880

launching satellites into space before

1447

01:11:43,590 --> 01:11:42,480

the first satellites were launched into

1448

01:11:45,750 --> 01:11:43,600

space

1449

01:11:47,430 --> 01:11:45,760

i remembered when sputnik 1 was launched

1450

01:11:48,110 --> 01:11:47,440

and i remembered when

1451

01:11:51,510 --> 01:11:48,120

in

1452

01:11:54,149 --> 01:11:51,520

1958 explorer 1 was launched

1453

01:11:55,750 --> 01:11:54,159

it was that same year in 1958 that i

1454

01:11:58,149 --> 01:11:55,760

decided that i was going to go to per

1455

01:12:00,470 --> 01:11:58,159

university in my home state of indiana

1456

01:12:02,070 --> 01:12:00,480

that i was going to become an engineer

1457

01:12:04,790 --> 01:12:02,080

and i wanted to get involved in our

1458

01:12:06,950 --> 01:12:04,800

country space program

1459

01:12:08,470 --> 01:12:06,960

i remembered how excited everyone was

1460

01:12:11,270 --> 01:12:08,480

when the original seven mercury

1461

01:12:13,910 --> 01:12:11,280

astronauts were selected and when they

1462

01:12:15,669 --> 01:12:13,920

started to fly in space

1463

01:12:17,990 --> 01:12:15,679

i remembered pestering my parents when

1464

01:12:21,030 --> 01:12:18,000

we were on a vacation in minnesota

1465

01:12:22,790 --> 01:12:21,040

on july 21 1961

1466

01:12:24,950 --> 01:12:22,800

until they stopped at a roadside

1467

01:12:27,350 --> 01:12:24,960

restaurant so that i could watch gus

1468

01:12:30,149 --> 01:12:27,360

grissom fly his sub over a flight on

1469

01:12:31,830 --> 01:12:30,159

liberty bell 7.

1470

01:12:34,070 --> 01:12:31,840

i remembered my mother allowing me to

1471

01:12:36,149 --> 01:12:34,080

play hooky from school to watch john

1472

01:12:38,870 --> 01:12:36,159

glenn fly three times around the earth

1473

01:12:40,870 --> 01:12:38,880

on friendship seven

1474

01:12:41,990 --> 01:12:40,880

i remembered listening to the radio as

1475

01:12:44,790 --> 01:12:42,000

ed white

1476

01:12:47,110 --> 01:12:44,800

performed the first u.s space walk

1477

01:12:48,950 --> 01:12:47,120

and i had a smile on my face as i

1478

01:12:52,070 --> 01:12:48,960

listened to every word he spoke while he

1479

01:12:55,990 --> 01:12:52,080

was outside and expressed such a glee

1480

01:12:58,229 --> 01:12:56,000

and exhilaration for what he was doing

1481

01:13:00,390 --> 01:12:58,239

my high school senior trip

1482

01:13:03,030 --> 01:13:00,400

was to go to florida

1483

01:13:05,030 --> 01:13:03,040

where i watched an atlas agena launch

1484

01:13:06,630 --> 01:13:05,040

which failed to make orbit

1485

01:13:08,950 --> 01:13:06,640

and so therefore i didn't have the

1486

01:13:10,470 --> 01:13:08,960

pleasure of watching gemiini 9

1487

01:13:12,950 --> 01:13:10,480

with general tom stafford and his

1488

01:13:14,709 --> 01:13:12,960

partner gene cernan launch into space so

1489

01:13:18,870 --> 01:13:14,719

i got to see a launch but i also got to

1490

01:13:23,110 --> 01:13:21,110

i remembered the shock of the apollo one

1491

01:13:25,189 --> 01:13:23,120

fire

1492

01:13:26,550 --> 01:13:25,199

and the excitement of every apollo

1493

01:13:28,709 --> 01:13:26,560

mission

1494

01:13:30,830 --> 01:13:28,719

i especially love the christmas eve

1495

01:13:33,750 --> 01:13:30,840

reading from genesis by the apollo 8

1496

01:13:37,750 --> 01:13:33,760

crew and the triumphant launch

1497

01:13:40,070 --> 01:13:37,760

landing and return of apollo 11.

1498

01:13:42,790 --> 01:13:40,080

i also remembered a candlelight wedding

1499

01:13:44,310 --> 01:13:42,800

in a small country church in indiana

1500

01:13:45,430 --> 01:13:44,320

on a cold

1501

01:13:47,350 --> 01:13:45,440

windy

1502

01:13:49,430 --> 01:13:47,360

evening in january

1503

01:13:57,350 --> 01:13:49,440

where i married my wife and my best

1504

01:14:01,430 --> 01:13:58,709

i remember the births of our two

1505

01:14:03,590 --> 01:14:01,440

children amy and scott

1506

01:14:05,430 --> 01:14:03,600

i also remembered caring telling me when

1507

01:14:07,750 --> 01:14:05,440

i actually looked that i actually looked

1508

01:14:09,669 --> 01:14:07,760

green after my first flight test

1509

01:14:11,669 --> 01:14:09,679

out at test pilot school where i flew on

1510

01:14:16,229 --> 01:14:11,679

a kc-135

1511

01:14:17,830 --> 01:14:16,239

during a mission was called dynamic demo

1512

01:14:20,070 --> 01:14:17,840

i don't know what i was thinking when i

1513

01:14:23,110 --> 01:14:20,080

decided to go fly and i dynamic demo

1514

01:14:24,870 --> 01:14:23,120

flight for my first mission

1515

01:14:26,709 --> 01:14:24,880

i remember the first time i applied for

1516

01:14:29,990 --> 01:14:26,719

the astronaut program

1517

01:14:31,910 --> 01:14:30,000

and was interviewed but not selected

1518

01:14:34,950 --> 01:14:31,920

and i remembered my elation the second

1519

01:14:36,790 --> 01:14:34,960

time when i was

1520

01:14:39,590 --> 01:14:36,800

i remembered brian o'connor's wonderful

1521

01:14:42,390 --> 01:14:39,600

dry sense of humor in 1985

1522

01:14:44,630 --> 01:14:42,400

when on sts-61b the crew was sitting in

1523

01:14:46,229 --> 01:14:44,640

atlantis crew compartment

1524

01:14:48,470 --> 01:14:46,239

and nearing the end of the planned

1525

01:14:50,070 --> 01:14:48,480

20-minute hold

1526

01:14:51,750 --> 01:14:50,080

our commander

1527

01:14:55,750 --> 01:14:51,760

brewster shaw

1528

01:14:57,830 --> 01:14:55,760

was wiping the sweat off of his palms

1529

01:14:59,270 --> 01:14:57,840

brian o'connor a rookie as well as all

1530

01:15:01,830 --> 01:14:59,280

the rest of us on the flight deck except

1531

01:15:04,709 --> 01:15:01,840

for brewster said i wish you hadn't done

1532

01:15:08,950 --> 01:15:06,790

i was feeling pretty good until you did

1533

01:15:11,270 --> 01:15:08,960

that

1534

01:15:13,750 --> 01:15:11,280

you know first john young got off the

1535

01:15:15,910 --> 01:15:13,760

astral van to go fly

1536

01:15:17,910 --> 01:15:15,920

then george abby got off at the launch

1537

01:15:20,149 --> 01:15:17,920

control center

1538

01:15:21,350 --> 01:15:20,159

then the closeout crew strapped us into

1539

01:15:22,830 --> 01:15:21,360

the cockpit

1540

01:15:25,669 --> 01:15:22,840

closed the hatch and

1541

01:15:27,510 --> 01:15:25,679

left i'm wondering if they were trying

1542

01:15:30,550 --> 01:15:27,520

to tell us something

1543

01:15:31,990 --> 01:15:30,560

and we all giggled

1544

01:15:35,510 --> 01:15:32,000

i remember the picture i took of

1545

01:15:37,189 --> 01:15:35,520

brewster shortly after we got into orbit

1546

01:15:39,270 --> 01:15:37,199

i can frankly tell you that you will

1547

01:15:41,590 --> 01:15:39,280

never see a better smile

1548

01:15:43,750 --> 01:15:41,600

than the smile on someone's face

1549

01:15:46,070 --> 01:15:43,760

who has just experienced and survived

1550

01:15:47,669 --> 01:15:46,080

such a ride

1551

01:15:49,590 --> 01:15:47,679

on that flight woody spring and i

1552

01:15:52,550 --> 01:15:49,600

completed two spacewalks investigating

1553

01:15:54,149 --> 01:15:52,560

construction techniques in space and i

1554

01:15:55,590 --> 01:15:54,159

remember woody saying at the end of the

1555

01:15:58,310 --> 01:15:55,600

second spacewalk

1556

01:16:00,790 --> 01:15:58,320

let's go build a space station

1557

01:16:02,870 --> 01:16:00,800

and in fact 13 years later i got to do

1558

01:16:04,950 --> 01:16:02,880

that

1559

01:16:07,990 --> 01:16:04,960

i remember getting worried and cinching

1560

01:16:10,470 --> 01:16:08,000

my t-38 ejection seat straps tighter

1561

01:16:16,709 --> 01:16:10,480

any time one of the pilots would say

1562

01:16:25,030 --> 01:16:18,830

or even

1563

01:16:28,950 --> 01:16:27,189

i remembered my friends on a challenger

1564

01:16:32,390 --> 01:16:28,960

and columbia cruise

1565

01:16:34,510 --> 01:16:32,400

and the other friends we lost as well

1566

01:16:37,510 --> 01:16:34,520

i remember the rivalry between the

1567

01:16:41,110 --> 01:16:37,520

sts-26 return to flight crew

1568

01:16:45,350 --> 01:16:41,120

and our sts-27 classified mission

1569

01:16:47,030 --> 01:16:45,360

avoid all media coverage at all uh costs

1570

01:16:48,390 --> 01:16:47,040

crew

1571

01:16:50,950 --> 01:16:48,400

on a saturday night

1572

01:16:54,310 --> 01:16:50,960

in houston they honored the sts-26 crew

1573

01:16:56,550 --> 01:16:54,320

at a gala black tie event

1574

01:16:58,149 --> 01:16:56,560

they were lifted up from the orchestra

1575

01:17:00,790 --> 01:16:58,159

pit

1576

01:17:04,790 --> 01:17:00,800

uh through a dry ice cloud while lee

1577

01:17:07,030 --> 01:17:04,800

greenwood sang proud to be an american

1578

01:17:10,470 --> 01:17:07,040

of course the 27 crew got this on the

1579

01:17:15,430 --> 01:17:12,630

at the monday morning astronaut office

1580

01:17:18,550 --> 01:17:15,440

meeting the 27 crew recreated the scene

1581

01:17:20,550 --> 01:17:18,560

for everybody's entertainment

1582

01:17:23,430 --> 01:17:20,560

while i played the lee greenwood song on

1583

01:17:26,149 --> 01:17:23,440

my son's boom box

1584

01:17:28,149 --> 01:17:26,159

hoot and guy gardner and bill shepherd

1585

01:17:31,270 --> 01:17:28,159

all dressed in their white tux shirts

1586

01:17:34,149 --> 01:17:31,280

and black bow ties slowly rose from

1587

01:17:38,070 --> 01:17:36,310

as mike mullane was hosing off a carbon

1588

01:17:40,950 --> 01:17:38,080

dioxide fire extinguisher below their

1589

01:17:45,110 --> 01:17:43,189

everybody in attendance in the office a

1590

01:17:47,350 --> 01:17:45,120

meeting laughed they all thought it was

1591

01:17:50,630 --> 01:17:47,360

hilarious

1592

01:17:57,750 --> 01:17:50,640

except for the sts-26 crew

1593

01:18:02,390 --> 01:18:00,630

i remembered wearing pink rubber pink

1594

01:18:04,470 --> 01:18:02,400

pig noses

1595

01:18:06,550 --> 01:18:04,480

and lone ranger masks to the pre-flight

1596

01:18:09,830 --> 01:18:06,560

press conference for our classified

1597

01:18:11,430 --> 01:18:09,840

sts-27 mission

1598

01:18:15,430 --> 01:18:11,440

i also remember that the pentagon didn't

1599

01:18:19,270 --> 01:18:17,430

i remember j apps saying it's all

1600

01:18:21,350 --> 01:18:19,280

downhill from here

1601  
01:18:24,830 --> 01:18:21,360  
when the compton gamma-ray observatory

1602  
01:18:27,270 --> 01:18:24,840  
solar arrays successfully deployed on

1603  
01:18:29,830 --> 01:18:27,280  
sts-37 the rest of the crew told him to

1604  
01:18:31,590 --> 01:18:29,840  
hush and to not jinx us

1605  
01:18:33,590 --> 01:18:31,600  
and sure enough

1606  
01:18:36,470 --> 01:18:33,600  
the next step was to release the antenna

1607  
01:18:39,270 --> 01:18:36,480  
boom and it didn't deploy

1608  
01:18:41,669 --> 01:18:39,280  
and you know what dog gone it

1609  
01:18:44,630 --> 01:18:41,679  
jay and i had to go out on an unplanned

1610  
01:18:48,470 --> 01:18:46,550  
where we were able to free the antenna

1611  
01:18:51,750 --> 01:18:48,480  
to lock it into position

1612  
01:18:53,350 --> 01:18:51,760  
and save the 630 million dollar sister

1613  
01:18:54,630 --> 01:18:53,360

observatory to the hubble space

1614

01:18:56,229 --> 01:18:54,640

telescope

1615

01:18:59,350 --> 01:18:56,239

which went on to do some incredible

1616

01:19:01,590 --> 01:18:59,360

science and cause astrophysicists like a

1617

01:19:03,030 --> 01:19:01,600

squared steve hawley back here to

1618

01:19:04,630 --> 01:19:03,040

rethink all their theories about

1619

01:19:07,350 --> 01:19:04,640

gamma-ray and gamma-ray sources

1620

01:19:09,669 --> 01:19:07,360

throughout the universe

1621

01:19:11,510 --> 01:19:09,679

i also remember trying and trying on

1622

01:19:13,590 --> 01:19:11,520

that same flight to make the

1623

01:19:16,310 --> 01:19:13,600

electrically powered cedar cart roll up

1624

01:19:18,070 --> 01:19:16,320

and down the track in a payload bay

1625

01:19:19,910 --> 01:19:18,080

during a spacewalk

1626

01:19:21,430 --> 01:19:19,920

i cranked and cranked the generator's

1627

01:19:23,430 --> 01:19:21,440

handles so hard

1628

01:19:25,189 --> 01:19:23,440

trying to get it to move

1629

01:19:27,030 --> 01:19:25,199

that the rest of the crew told me after

1630

01:19:30,790 --> 01:19:27,040

the spacewalk that i had been shaking

1631

01:19:35,350 --> 01:19:32,470

but it worked a lot better once i

1632

01:19:35,360 --> 01:19:41,830

to release the manual parking brake

1633

01:19:46,310 --> 01:19:43,590

i remembered our pad abort that charlie

1634

01:19:48,550 --> 01:19:46,320

talked about on sts-55

1635

01:19:50,790 --> 01:19:48,560

i also remember taking the entire crew

1636

01:19:52,310 --> 01:19:50,800

to see the movie groundhog day

1637

01:19:54,229 --> 01:19:52,320

where the guy gets up every morning to

1638

01:19:56,149 --> 01:19:54,239

relive the same sequence

1639

01:20:03,750 --> 01:19:56,159

just before we travel back down here to

1640

01:20:07,990 --> 01:20:06,149

i remember floating into the russian mir

1641

01:20:10,229 --> 01:20:08,000

station and actually getting to visit

1642

01:20:12,870 --> 01:20:10,239

other people already orbiting the earth

1643

01:20:14,550 --> 01:20:12,880

in their spacecraft during our sts-74

1644

01:20:16,229 --> 01:20:14,560

mission

1645

01:20:19,110 --> 01:20:16,239

i remembered all the people and all the

1646

01:20:21,030 --> 01:20:19,120

work we did to get the tools

1647

01:20:23,590 --> 01:20:21,040

the training facilities

1648

01:20:25,350 --> 01:20:23,600

the mock-ups the testing

1649

01:20:27,590 --> 01:20:25,360

and the procedures in place that allowed

1650

01:20:30,310 --> 01:20:27,600

us to successfully climb

1651  
01:20:32,070 --> 01:20:30,320  
the mountain of evas that were required

1652  
01:20:34,470 --> 01:20:32,080  
to assemble the international space

1653  
01:20:36,070 --> 01:20:34,480  
station

1654  
01:20:37,430 --> 01:20:36,080  
i remembered connecting the first two

1655  
01:20:39,910 --> 01:20:37,440  
elements of the international space

1656  
01:20:42,229 --> 01:20:39,920  
station on scs 88

1657  
01:20:44,390 --> 01:20:42,239  
and performing three space walks to make

1658  
01:20:46,709 --> 01:20:44,400  
electrical connectors and outfit the

1659  
01:20:48,229 --> 01:20:46,719  
exterior of those two model modules

1660  
01:20:50,470 --> 01:20:48,239  
which form the cornerstone of the

1661  
01:20:52,470 --> 01:20:50,480  
international space station

1662  
01:20:54,790 --> 01:20:52,480  
and i remembered being on the first team

1663  
01:20:57,110 --> 01:20:54,800

of astronauts to enter the station on

1664

01:21:02,229 --> 01:21:00,229

i remembered my last flight when we

1665

01:21:04,629 --> 01:21:02,239

added s-zero element to the

1666

01:21:06,590 --> 01:21:04,639

international space station

1667

01:21:09,750 --> 01:21:06,600

my spacewalking partner lee moore and on

1668

01:21:14,070 --> 01:21:09,760

sts-110 and i were the first pair of

1669

01:21:15,510 --> 01:21:14,080

grandparents to do space walks together

1670

01:21:17,110 --> 01:21:15,520

we were affectionately called by the

1671

01:21:20,470 --> 01:21:17,120

rest of the crew

1672

01:21:24,229 --> 01:21:21,990

now i have to tell you they did have

1673

01:21:26,229 --> 01:21:24,239

some other ideas and we picked the

1674

01:21:28,790 --> 01:21:26,239

silver team because it was the least

1675

01:21:32,550 --> 01:21:28,800

abusive of all of them

1676

01:21:34,870 --> 01:21:32,560

it was incredible that in just 17 years

1677

01:21:36,470 --> 01:21:34,880

i had gone from being the junior rookie

1678

01:21:39,430 --> 01:21:36,480

on a crew

1679

01:21:41,990 --> 01:21:39,440

to being the senior member of the silver

1680

01:21:43,910 --> 01:21:42,000

team

1681

01:21:46,870 --> 01:21:43,920

all these are great memories but some of

1682

01:21:48,870 --> 01:21:46,880

the ones that i always cherish the most

1683

01:21:49,910 --> 01:21:48,880

are the memories of all the dedicated

1684

01:21:52,470 --> 01:21:49,920

people

1685

01:21:55,030 --> 01:21:52,480

government and contractor that i met and

1686

01:21:56,550 --> 01:21:55,040

worked with all over the united states

1687

01:21:57,910 --> 01:21:56,560

and all over the world

1688

01:21:59,430 --> 01:21:57,920

and i have to tell you there are several

1689

01:22:01,669 --> 01:21:59,440

of them here today and it's great to see

1690

01:22:03,270 --> 01:22:01,679

them thanks for coming out and i look

1691

01:22:05,830 --> 01:22:03,280

forward to the next time i get down here

1692

01:22:07,910 --> 01:22:05,840

let's go have a brew

1693

01:22:09,189 --> 01:22:07,920

we shared the same love

1694

01:22:11,350 --> 01:22:09,199

dedication

1695

01:22:13,270 --> 01:22:11,360

and excitement about what we were

1696

01:22:15,510 --> 01:22:13,280

collectively doing

1697

01:22:17,590 --> 01:22:15,520

it made each day new

1698

01:22:19,030 --> 01:22:17,600

and never boring

1699

01:22:19,830 --> 01:22:19,040

i always looked forward to getting to

1700

01:22:22,830 --> 01:22:19,840

work

1701

01:22:25,910 --> 01:22:22,840

to see what was next on the

1702

01:22:28,390 --> 01:22:25,920

agenda i thank god for blessing me with

1703

01:22:30,149 --> 01:22:28,400

in so many ways for giving my my family

1704

01:22:32,310 --> 01:22:30,159

and my friends

1705

01:22:35,990 --> 01:22:32,320

and for allowing me to serve our country

1706

01:22:37,750 --> 01:22:36,000

in such exciting and unique ways

1707

01:22:39,590 --> 01:22:37,760

thank you for coming and sharing this

1708

01:22:41,669 --> 01:22:39,600

wonderful celebration

1709

01:22:46,390 --> 01:22:41,679

and my walk down memory road

1710

01:22:50,229 --> 01:22:48,550

congratulations jerry ross and welcome

1711

01:22:52,790 --> 01:22:50,239

to the united states astronaut hall of

1712

01:22:55,669 --> 01:22:52,800

fame

1713

01:22:57,510 --> 01:22:55,679

the 2014 inductees were selected by a

1714

01:22:59,669 --> 01:22:57,520

committee of current hall of fame

1715

01:23:02,550 --> 01:22:59,679

astronauts former nasa officials

1716

01:23:04,149 --> 01:23:02,560

historians and journalists and bob seek

1717

01:23:05,830 --> 01:23:04,159

as we've heard

1718

01:23:08,229 --> 01:23:05,840

the process is administered by the

1719

01:23:11,270 --> 01:23:08,239

astronaut scholarship foundation to be

1720

01:23:15,350 --> 01:23:11,280

eligible an astronaut must have made his

1721

01:23:17,669 --> 01:23:15,360

or her first flight at least 17 years

1722

01:23:19,750 --> 01:23:17,679

before the induction year and must be

1723

01:23:21,830 --> 01:23:19,760

retired at least five years from the

1724

01:23:25,270 --> 01:23:21,840

nasa astronaut corps 17 years that

1725

01:23:30,070 --> 01:23:27,750

candidates must be a u.s citizen nasa

1726

01:23:32,709 --> 01:23:30,080

trained commander pilot or mission

1727

01:23:35,590 --> 01:23:32,719

specialist and must have orbited the

1728

01:23:39,270 --> 01:23:35,600

earth at least once and made significant

1729

01:23:40,870 --> 01:23:39,280

contributions to the study of space

1730

01:23:42,229 --> 01:23:40,880

charlie you know that same kid keeps

1731

01:23:43,590 --> 01:23:42,239

going up and back up there we're going

1732

01:23:46,070 --> 01:23:43,600

to

1733

01:23:47,910 --> 01:23:46,080

find his mother

1734

01:23:49,430 --> 01:23:47,920

ladies and gentlemen i am proud to

1735

01:23:52,629 --> 01:23:49,440

present to you the united states

1736

01:24:16,870 --> 01:23:52,639

astronaut hall of fame class of 2014

1737

01:25:13,990 --> 01:24:18,950

and now all the members of the hall of

1738

01:25:17,830 --> 01:25:15,590

it has been my pleasure to be with you

1739

01:25:20,310 --> 01:25:17,840

today on behalf of the kennedy space

1740

01:25:22,070 --> 01:25:20,320

center visitor complex and the astronaut

1741

01:25:24,390 --> 01:25:22,080

scholarship foundation

1742

01:25:27,189 --> 01:25:24,400

thank you for joining us for this

1743

01:25:29,189 --> 01:25:27,199

historic ceremony please remain standing

1744

01:26:55,189 --> 01:25:29,199

as the hall of fame astronauts make