



1
00:00:05,349 --> 00:00:03,510
good afternoon and welcome back to the

2
00:00:08,150 --> 00:00:05,359
space vehicle mock-up facility at

3
00:00:11,350 --> 00:00:08,160
johnson space center

4
00:00:12,470 --> 00:00:11,360
we are here with 12 new brand new

5
00:00:14,709 --> 00:00:12,480
astronaut candidates who are going to

6
00:00:16,150 --> 00:00:14,719
make up the 2017 astronaut candidate

7
00:00:17,750 --> 00:00:16,160
class and we have just a little while

8
00:00:20,310 --> 00:00:17,760
with them for folks here in the audience

9
00:00:21,750 --> 00:00:20,320
to ask questions but before we do i'm

10
00:00:24,630 --> 00:00:21,760
going to go through their names one more

11
00:00:27,269 --> 00:00:24,640
time and then we will get started um so

12
00:00:28,470 --> 00:00:27,279
we have here with us today kayla barron

13
00:00:29,429 --> 00:00:28,480

and we're going to go in alphabetical

14

00:00:31,429 --> 00:00:29,439

order

15

00:00:33,910 --> 00:00:31,439

xena cardman

16

00:00:35,990 --> 00:00:33,920

raja chari

17

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

matthew dominic

18

00:00:41,350 --> 00:00:38,320

bob hines

19

00:00:43,750 --> 00:00:41,360

warren woody hoberg

20

00:00:46,069 --> 00:00:43,760

johnny kim

21

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

rob cooling

22

00:00:50,790 --> 00:00:48,480

jasmine mobelli

23

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

laurel o'hara

24

00:00:54,790 --> 00:00:52,480

frank rubio

25

00:00:57,189 --> 00:00:54,800

and jessica watkins

26

00:00:59,189 --> 00:00:57,199

so we have i believe mike ready for you

27

00:01:00,790 --> 00:00:59,199

to ask questions with um if you can

28

00:01:01,990 --> 00:01:00,800

raise your hands and let us know where

29

00:01:04,229 --> 00:01:02,000

to

30

00:01:06,070 --> 00:01:04,239

if you have a question and we um be sure

31

00:01:07,590 --> 00:01:06,080

give us your name and affiliation and if

32

00:01:10,550 --> 00:01:07,600

you can direct your question to the

33

00:01:12,710 --> 00:01:10,560

candidate you want to answer it

34

00:01:15,910 --> 00:01:12,720

all right let's go here

35

00:01:20,870 --> 00:01:18,469

hi robert pearlman with collectspace.com

36

00:01:21,830 --> 00:01:20,880

and space.com a question for all of you

37

00:01:23,670 --> 00:01:21,840

um

38

00:01:25,910 --> 00:01:23,680

i wonder how many of you knew that you

39

00:01:28,550 --> 00:01:25,920

wanted to be an astronaut when you were

40

00:01:30,310 --> 00:01:28,560

a kid if there was any specific memory

41

00:01:32,550 --> 00:01:30,320

that inspired that

42

00:01:34,789 --> 00:01:32,560

if you attended space camp or if there

43

00:01:43,350 --> 00:01:34,799

was some other experience that

44

00:01:47,590 --> 00:01:44,950

yeah absolutely i don't know that there

45

00:01:49,270 --> 00:01:47,600

was a specific defining point uh i know

46

00:01:50,389 --> 00:01:49,280

there's a i was always interested in

47

00:01:51,510 --> 00:01:50,399

aviation

48

00:01:53,590 --> 00:01:51,520

and uh

49

00:01:56,069 --> 00:01:53,600

our their pictures in our photo albums

50

00:01:57,830 --> 00:01:56,079

of me back when i was uh you know one or

51
00:01:59,429 --> 00:01:57,840
two at the munich airport with my nose

52
00:02:01,350 --> 00:01:59,439
pressed up against the windows watching

53
00:02:03,510 --> 00:02:01,360
uh watching the airplanes out there so

54
00:02:06,230 --> 00:02:03,520
aviation was always in it

55
00:02:08,309 --> 00:02:06,240
and then the first memory i have about

56
00:02:09,669 --> 00:02:08,319
space flight was really watching sts-1

57
00:02:10,869 --> 00:02:09,679
we had just moved back to the united

58
00:02:13,589 --> 00:02:10,879
states

59
00:02:15,750 --> 00:02:13,599
and it was on tv and i just remember

60
00:02:18,150 --> 00:02:15,760
being absolutely amazed with it

61
00:02:19,750 --> 00:02:18,160
i tell people quite a bit that

62
00:02:22,229 --> 00:02:19,760
you know if you asked me when i was a

63
00:02:23,910 --> 00:02:22,239

kid what i wanted to be when i grew up i

64

00:02:26,150 --> 00:02:23,920

would have said a pilot because the

65

00:02:28,150 --> 00:02:26,160

astronaut thing was not even on the

66

00:02:30,150 --> 00:02:28,160

radar for me as in terms of being

67

00:02:31,670 --> 00:02:30,160

possible uh had you rephrased it and

68

00:02:33,750 --> 00:02:31,680

said do you want to be an astronaut i'd

69

00:02:35,030 --> 00:02:33,760

have been like absolutely

70

00:02:36,390 --> 00:02:35,040

you know that would

71

00:02:38,790 --> 00:02:36,400

uh so

72

00:02:40,869 --> 00:02:38,800

uh but i did get to attend space camp uh

73

00:02:43,030 --> 00:02:40,879

at one point and it was uh it just

74

00:02:44,150 --> 00:02:43,040

fanned that flame uh you know that that

75

00:02:45,509 --> 00:02:44,160

interest in getting down there and

76

00:02:47,270 --> 00:02:45,519

really getting

77

00:02:48,790 --> 00:02:47,280

being able to see big hardware like the

78

00:02:51,750 --> 00:02:48,800

stuff you see around here

79

00:02:53,430 --> 00:02:51,760

uh it it just fanned that flame and i

80

00:02:54,869 --> 00:02:53,440

was really excited and it just it just

81

00:02:56,869 --> 00:02:54,879

kept me going throughout the rest of my

82

00:02:58,790 --> 00:02:56,879

career

83

00:03:00,390 --> 00:02:58,800

all right

84

00:03:02,070 --> 00:03:00,400

right here and also i forgot to mention

85

00:03:04,550 --> 00:03:02,080

that we do have also with us chris

86

00:03:06,070 --> 00:03:04,560

cassidy who was the deputy chair of the

87

00:03:07,670 --> 00:03:06,080

astronaut selection board in case we

88

00:03:09,030 --> 00:03:07,680

have any astronaut selection related

89

00:03:11,910 --> 00:03:09,040

questions that the candidates don't know

90

00:03:14,149 --> 00:03:11,920

the inside scoop on go ahead hi everyone

91

00:03:17,190 --> 00:03:14,159

uh congratulations my name is carl clark

92

00:03:18,949 --> 00:03:17,200

i'm with inspace on the left so i have

93

00:03:21,589 --> 00:03:18,959

one question about propulsion for you

94

00:03:24,229 --> 00:03:21,599

kayla considering you were on subs and

95

00:03:25,190 --> 00:03:24,239

nuclear propulsion is a big deal there

96

00:03:26,949 --> 00:03:25,200

um

97

00:03:28,630 --> 00:03:26,959

what are your thoughts on nuclear

98

00:03:31,030 --> 00:03:28,640

thermal propulsion

99

00:03:33,430 --> 00:03:31,040

i'll kind of like the nerva engine maybe

100

00:03:35,350 --> 00:03:33,440

solar electric things like that or maybe

101
00:03:38,149 --> 00:03:35,360
using ion electric with a fission

102
00:03:39,670 --> 00:03:38,159
reactor um i know that was your degree

103
00:03:41,509 --> 00:03:39,680
field correct or i'm asking the wrong

104
00:03:43,670 --> 00:03:41,519
person i was trying to remember

105
00:03:45,670 --> 00:03:43,680
everybody that was listed off earlier i

106
00:03:47,430 --> 00:03:45,680
remember there was a nuclear physicist

107
00:03:49,910 --> 00:03:47,440
so i did nuclear engineering for my

108
00:03:51,990 --> 00:03:49,920
graduate degree i'm working on a thorium

109
00:03:53,750 --> 00:03:52,000
fueled next generation

110
00:03:56,070 --> 00:03:53,760
terrestrial based

111
00:03:57,830 --> 00:03:56,080
uh reactor concept

112
00:04:01,589 --> 00:03:57,840
so i don't know a ton about the

113
00:04:03,429 --> 00:04:01,599

technology that nasa is working on for

114

00:04:05,110 --> 00:04:03,439

propulsion for deep space exploration

115

00:04:06,550 --> 00:04:05,120

missions certainly i think nuclear is

116

00:04:09,030 --> 00:04:06,560

being considered

117

00:04:11,429 --> 00:04:09,040

both for surface power on

118

00:04:13,429 --> 00:04:11,439

mars or the moon and also potentially to

119

00:04:15,589 --> 00:04:13,439

propel vehicles but it's kind of our

120

00:04:17,189 --> 00:04:15,599

first day on the job here so

121

00:04:19,509 --> 00:04:17,199

i don't know a ton about it yet but i

122

00:04:22,150 --> 00:04:19,519

can say that i'm really excited to be a

123

00:04:24,230 --> 00:04:22,160

part of nasa's super exciting and

124

00:04:26,310 --> 00:04:24,240

phenomenal team and contribute in any

125

00:04:28,230 --> 00:04:26,320

way i can of course sir i'd love to be

126
00:04:29,670 --> 00:04:28,240
assigned any projects related to nuclear

127
00:04:31,270 --> 00:04:29,680
power but

128
00:04:34,950 --> 00:04:31,280
that's a few years down the road once we

129
00:04:40,870 --> 00:04:38,310
all right i think we have some over here

130
00:04:43,189 --> 00:04:40,880
eric berger with ars technica so the

131
00:04:45,030 --> 00:04:43,199
last class in 2013

132
00:04:46,150 --> 00:04:45,040
uh came in and i think they were told

133
00:04:47,749 --> 00:04:46,160
primarily that they were going to be

134
00:04:50,550 --> 00:04:47,759
going to the space station

135
00:04:52,150 --> 00:04:50,560
i'm curious during the interview process

136
00:04:54,629 --> 00:04:52,160
what you were told about you know

137
00:04:55,909 --> 00:04:54,639
destinations or vehicles or what you

138
00:05:04,230 --> 00:04:55,919

know what you were being hired

139

00:05:06,790 --> 00:05:05,830

so

140

00:05:08,550 --> 00:05:06,800

the

141

00:05:10,790 --> 00:05:08,560

vehicles that we've been told as you

142

00:05:12,550 --> 00:05:10,800

know the spacex dragon

143

00:05:13,510 --> 00:05:12,560

starliner the international space

144

00:05:14,310 --> 00:05:13,520

station

145

00:05:17,189 --> 00:05:14,320

um

146

00:05:20,070 --> 00:05:17,199

these are the different vehicles that we

147

00:05:22,390 --> 00:05:20,080

are can possibly take um in the future

148

00:05:24,469 --> 00:05:22,400

but i think for the future it's

149

00:05:26,950 --> 00:05:24,479

maybe a little unclear we're just happy

150

00:05:27,830 --> 00:05:26,960

to be here finish our candidate training

151
00:05:29,909 --> 00:05:27,840
and

152
00:05:33,590 --> 00:05:29,919
venture out to deep enough to space in

153
00:05:33,600 --> 00:05:37,189
all right mark

154
00:05:41,830 --> 00:05:39,749
uh thank you i'm mark caro with uh

155
00:05:43,990 --> 00:05:41,840
aviation week

156
00:05:46,310 --> 00:05:44,000
and i don't know if two of you

157
00:05:49,189 --> 00:05:46,320
would self-select but i'm interested in

158
00:05:52,390 --> 00:05:49,199
in how you think your group

159
00:05:55,350 --> 00:05:52,400
differs maybe significantly from some of

160
00:05:57,590 --> 00:05:55,360
the earlier astronaut groups there's

161
00:06:00,390 --> 00:05:57,600
seems to me like some really different

162
00:06:01,830 --> 00:06:00,400
backgrounds and professional

163
00:06:03,590 --> 00:06:01,840

and personal

164

00:06:09,270 --> 00:06:03,600

and i don't know how do you guys see

165

00:06:13,270 --> 00:06:11,830

well i think one thing um that

166

00:06:14,870 --> 00:06:13,280

that was a bigger focus in this

167

00:06:16,870 --> 00:06:14,880

selection was

168

00:06:19,029 --> 00:06:16,880

skills that are appropriate for longer

169

00:06:21,830 --> 00:06:19,039

term space flights so

170

00:06:23,830 --> 00:06:21,840

you know iss stays on the iss that are

171

00:06:26,469 --> 00:06:23,840

six months or longer or you know

172

00:06:28,629 --> 00:06:26,479

possible deeper space exploration

173

00:06:31,270 --> 00:06:28,639

missions and so a lot of us have a

174

00:06:33,350 --> 00:06:31,280

background or experience doing similar

175

00:06:34,469 --> 00:06:33,360

kind of or work that involves similar

176

00:06:35,990 --> 00:06:34,479

skills like

177

00:06:38,230 --> 00:06:36,000

working in antarctica for xena are

178

00:06:39,270 --> 00:06:38,240

working on submarines for kayla so

179

00:06:41,270 --> 00:06:39,280

um

180

00:06:43,909 --> 00:06:41,280

yeah i think i think just uh we have a

181

00:06:45,830 --> 00:06:43,919

little bit more of a remote and extreme

182

00:06:51,589 --> 00:06:45,840

environment skill set than

183

00:06:51,599 --> 00:06:56,230

okay go over here

184

00:06:58,629 --> 00:06:56,950

hi

185

00:07:01,029 --> 00:06:58,639

congratulations and

186

00:07:03,830 --> 00:07:01,039

my name is keisha rogers and i work with

187

00:07:06,469 --> 00:07:03,840

21st century science and technology

188

00:07:08,629 --> 00:07:06,479

the vice president earlier mentioned the

189

00:07:10,870 --> 00:07:08,639

inspirational words of president john f

190

00:07:12,950 --> 00:07:10,880

kennedy who um i don't know if you guys

191

00:07:14,870 --> 00:07:12,960

know this but he turned would have

192

00:07:17,990 --> 00:07:14,880

turned 100

193

00:07:20,309 --> 00:07:18,000

this year on may 29th and

194

00:07:22,870 --> 00:07:20,319

uh right you guys are a very

195

00:07:25,350 --> 00:07:22,880

extraordinary selection of candidates

196

00:07:28,070 --> 00:07:25,360

because you came out of 18 000

197

00:07:30,230 --> 00:07:28,080

candidates and my question to you is

198

00:07:33,830 --> 00:07:30,240

what is your inspiration you know

199

00:07:38,390 --> 00:07:33,840

looking back on the history of nasa

200

00:07:40,710 --> 00:07:38,400

how do you see yourselves continuing to

201
00:07:49,110 --> 00:07:40,720
move those footsteps forward in terms of

202
00:07:53,189 --> 00:07:51,270
with regards to moving things forward uh

203
00:07:55,270 --> 00:07:53,199
for me coming here yeah sure it'd be

204
00:07:56,950 --> 00:07:55,280
awesome to be part of a the first person

205
00:07:59,110 --> 00:07:56,960
to do something new whether a new planet

206
00:08:01,990 --> 00:07:59,120
or go back to the moon and go back to

207
00:08:03,749 --> 00:08:02,000
those things but more so it's about

208
00:08:05,670 --> 00:08:03,759
being part of the team working on tough

209
00:08:08,150 --> 00:08:05,680
problems i think we talked a moment ago

210
00:08:09,990 --> 00:08:08,160
about how diverse a background how may

211
00:08:11,990 --> 00:08:10,000
be this group might be different

212
00:08:14,309 --> 00:08:12,000
having known this group now for 48 hours

213
00:08:15,749 --> 00:08:14,319

and having worked with them uh i can

214

00:08:16,869 --> 00:08:15,759

tell you that all of us are very similar

215

00:08:19,589 --> 00:08:16,879

and that we're all passionate people

216

00:08:21,430 --> 00:08:19,599

that love to solve tough problems uh

217

00:08:22,629 --> 00:08:21,440

because they're hard and so moving

218

00:08:23,830 --> 00:08:22,639

forward

219

00:08:24,710 --> 00:08:23,840

that's what we want to do we want to

220

00:08:26,469 --> 00:08:24,720

solve those problems you don't have to

221

00:08:29,909 --> 00:08:26,479

be the person we can just be part of a

222

00:08:33,350 --> 00:08:31,270

all right one back here

223

00:08:34,949 --> 00:08:33,360

hi my name is ray vitor and i'm with

224

00:08:37,750 --> 00:08:34,959

space city usa

225

00:08:40,949 --> 00:08:37,760

the questions for laurel and

226

00:08:43,589 --> 00:08:40,959

as the only the second native houstonian

227

00:08:45,430 --> 00:08:43,599

to be named an astronaut

228

00:08:47,670 --> 00:08:45,440

what's your thought on it what's it mean

229

00:08:50,070 --> 00:08:47,680

to houston and did you talk to shannon

230

00:08:51,910 --> 00:08:50,080

walter walker at all

231

00:08:56,150 --> 00:08:51,920

in the last few months about preparing

232

00:09:00,710 --> 00:08:57,990

the question is as the second native

233

00:09:01,590 --> 00:09:00,720

houston to go into uh the astronaut

234

00:09:03,110 --> 00:09:01,600

corps

235

00:09:05,269 --> 00:09:03,120

did you talk or what are your thoughts

236

00:09:07,030 --> 00:09:05,279

about houston is the home of the space

237

00:09:08,470 --> 00:09:07,040

the human space flight program and did

238

00:09:10,310 --> 00:09:08,480

you talk to shannon walker about it at

239

00:09:12,230 --> 00:09:10,320

all

240

00:09:14,550 --> 00:09:12,240

well i was i was born here and raised in

241

00:09:16,389 --> 00:09:14,560

sugar land and i actually haven't lived

242

00:09:18,470 --> 00:09:16,399

here since high school but i'm really

243

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

excited to move back to houston my

244

00:09:22,949 --> 00:09:19,920

parents still live here and my sister's

245

00:09:24,470 --> 00:09:22,959

here um and i did i i met shannon walker

246

00:09:26,310 --> 00:09:24,480

during the interview process and we did

247

00:09:28,470 --> 00:09:26,320

talk a little bit about houston

248

00:09:30,310 --> 00:09:28,480

uh and you know just

249

00:09:32,070 --> 00:09:30,320

it's a great city and i'm excited to

250

00:09:34,310 --> 00:09:32,080

move back so

251

00:09:36,150 --> 00:09:34,320

i would maybe add on to that um

252

00:09:37,990 --> 00:09:36,160

you participated in a lot of nasa

253

00:09:38,949 --> 00:09:38,000

activities maybe because you were here

254

00:09:41,430 --> 00:09:38,959

do you want to talk a little bit about

255

00:09:42,870 --> 00:09:41,440

that yeah so i um i grew up in sugar

256

00:09:44,870 --> 00:09:42,880

land and

257

00:09:46,389 --> 00:09:44,880

we got to go on lots of class field

258

00:09:48,310 --> 00:09:46,399

trips to johnson space center and then

259

00:09:49,670 --> 00:09:48,320

my family would just go to johnson space

260

00:09:51,350 --> 00:09:49,680

center as well on the weekends for

261

00:09:53,670 --> 00:09:51,360

visits and then

262

00:09:55,269 --> 00:09:53,680

i also had opportunities in school like

263

00:09:57,030 --> 00:09:55,279

the

264

00:09:59,829 --> 00:09:57,040

project i mentioned earlier in second

265

00:10:01,190 --> 00:09:59,839

grade where my class got to plant tomato

266

00:10:02,150 --> 00:10:01,200

seeds that had flown on the space

267

00:10:04,870 --> 00:10:02,160

shuttle

268

00:10:06,790 --> 00:10:04,880

and just opportunities like that that um

269

00:10:08,949 --> 00:10:06,800

were kind of unique i guess to to

270

00:10:11,350 --> 00:10:08,959

growing up in houston and that kind of

271

00:10:14,230 --> 00:10:11,360

set me on the path i think to

272

00:10:16,069 --> 00:10:14,240

taking advantage taking advantage of

273

00:10:17,190 --> 00:10:16,079

opportunities with nasa down the road

274

00:10:18,630 --> 00:10:17,200

too and

275

00:10:20,630 --> 00:10:18,640

like in high school i used to come to

276

00:10:22,069 --> 00:10:20,640

watch the space shuttle debriefings um

277

00:10:23,829 --> 00:10:22,079

when they used to do those at the space

278

00:10:25,750 --> 00:10:23,839

center and then in college i worked with

279

00:10:27,509 --> 00:10:25,760

the space grant and did the reduced

280

00:10:29,750 --> 00:10:27,519

gravity student flight opportunities

281

00:10:31,910 --> 00:10:29,760

program and um and then several

282

00:10:34,310 --> 00:10:31,920

internships so it was kind of an early

283

00:10:36,069 --> 00:10:34,320

involvement with nasa that i just stuck

284

00:10:37,350 --> 00:10:36,079

with

285

00:10:39,590 --> 00:10:37,360

all right i think we have some questions

286

00:10:41,430 --> 00:10:39,600

from social media now all right we got a

287

00:10:44,230 --> 00:10:41,440

couple questions from social media on

288

00:10:46,389 --> 00:10:44,240

facebook greta wants to know

289

00:10:47,910 --> 00:10:46,399

my third grade class in houston texas

290

00:10:50,150 --> 00:10:47,920

wants to know what's the first thing you

291

00:10:53,430 --> 00:10:50,160

want to do in space

292

00:10:53,440 --> 00:11:02,389

a victory dance for getting there

293

00:11:02,399 --> 00:11:05,750

i'd say check out the view

294

00:11:10,470 --> 00:11:07,509

i think it

295

00:11:15,269 --> 00:11:10,480

yes check out the view but also make

296

00:11:18,790 --> 00:11:17,190

all right we have another one from tracy

297

00:11:21,269 --> 00:11:18,800

wants to know what internship

298

00:11:25,190 --> 00:11:21,279

experiences prepared you most for this

299

00:11:28,790 --> 00:11:26,870

i know we have a few who have interned

300

00:11:30,949 --> 00:11:28,800

at nasa before and i'm guessing there

301
00:11:33,829 --> 00:11:30,959
are some other nasa or internships mixed

302
00:11:35,269 --> 00:11:33,839
in yeah i didn't intern directly at nasa

303
00:11:37,670 --> 00:11:35,279
but i had a lot of

304
00:11:40,069 --> 00:11:37,680
funding and support for internships and

305
00:11:41,430 --> 00:11:40,079
field experiences from

306
00:11:43,110 --> 00:11:41,440
space grants especially the north

307
00:11:46,069 --> 00:11:43,120
carolina space grant and later the

308
00:11:48,389 --> 00:11:46,079
pennsylvania space grant um and so these

309
00:11:50,790 --> 00:11:48,399
experiences took me to british columbia

310
00:11:52,949 --> 00:11:50,800
to work for the pavilion lake research

311
00:11:55,990 --> 00:11:52,959
project which is a nasa and canadian

312
00:11:59,430 --> 00:11:56,000
space agency project using a lake there

313
00:12:01,350 --> 00:11:59,440

to draw analogies for space exploration

314

00:12:03,430 --> 00:12:01,360

learning how to conduct science under

315

00:12:05,269 --> 00:12:03,440

the constraints of a space mission

316

00:12:06,470 --> 00:12:05,279

and that was incredibly helpful and let

317

00:12:07,910 --> 00:12:06,480

me meet a lot of people who actually

318

00:12:09,590 --> 00:12:07,920

work for nasa including several

319

00:12:13,190 --> 00:12:09,600

astronauts which was just an awesome

320

00:12:16,949 --> 00:12:14,870

i had the pleasure of getting to do two

321

00:12:19,910 --> 00:12:16,959

internships for nasa and that that was

322

00:12:22,230 --> 00:12:19,920

definitely a huge piece of what drove my

323

00:12:24,470 --> 00:12:22,240

interest in understanding the the

324

00:12:27,190 --> 00:12:24,480

culture and the the work ethic of the

325

00:12:29,350 --> 00:12:27,200

folks here uh so in uh while i was at

326

00:12:31,030 --> 00:12:29,360

the academy i got to work at goddard

327

00:12:32,629 --> 00:12:31,040

space flight center at the time on what

328

00:12:35,030 --> 00:12:32,639

was the what was called the time the

329

00:12:36,310 --> 00:12:35,040

space infrared telescope facility and i

330

00:12:37,990 --> 00:12:36,320

was pretty much you know one of my tasks

331

00:12:40,629 --> 00:12:38,000

was to make an acronym list so i was by

332

00:12:43,350 --> 00:12:40,639

no means uh cutting-edge engineering i

333

00:12:45,829 --> 00:12:43,360

was basically like a aaron boy go do but

334

00:12:47,750 --> 00:12:45,839

it was awesome just to be a part of that

335

00:12:49,750 --> 00:12:47,760

and then in grad school i worked on some

336

00:12:52,550 --> 00:12:49,760

of the mars sample return mission uh

337

00:12:54,310 --> 00:12:52,560

algorithms uh for how to how to do an

338

00:12:56,470 --> 00:12:54,320

autonomous orbital rendezvous and again

339

00:12:58,870 --> 00:12:56,480

it was just uh the exposure to the folks

340

00:13:00,710 --> 00:12:58,880

in that case at jpl and uh really

341

00:13:02,790 --> 00:13:00,720

reinforced for me that this is the

342

00:13:04,550 --> 00:13:02,800

community that i want to be a part of uh

343

00:13:06,150 --> 00:13:04,560

and that's why i'm you know still

344

00:13:08,069 --> 00:13:06,160

beaming that you know we've got the

345

00:13:11,430 --> 00:13:08,079

opportunity to be such a part of such an

346

00:13:13,350 --> 00:13:11,440

amazing team uh here at johnson at nasa

347

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

just it's just gonna be an awesome uh

348

00:13:17,030 --> 00:13:15,279

awesome future in front of us and for

349

00:13:18,790 --> 00:13:17,040

the agency

350

00:13:20,629 --> 00:13:18,800

jessica had something as well uh yeah

351

00:13:22,710 --> 00:13:20,639

just really quick i also have done

352

00:13:25,829 --> 00:13:22,720

several internships at nasa i've worked

353

00:13:28,870 --> 00:13:25,839

at nasa ames working on the phoenix mars

354

00:13:32,230 --> 00:13:28,880

lander looking at at martian soil

355

00:13:33,750 --> 00:13:32,240

i've also done three internships at

356

00:13:37,110 --> 00:13:33,760

the jet propulsion laboratory in

357

00:13:39,430 --> 00:13:37,120

pasadena working on uh the also mars

358

00:13:42,710 --> 00:13:39,440

sample return and mars 2020 the upcoming

359

00:13:45,110 --> 00:13:42,720

rover um as well as uh msl the mars

360

00:13:48,230 --> 00:13:45,120

science laboratory rover and also

361

00:13:51,509 --> 00:13:48,240

working on some asteroid work looking at

362

00:13:54,310 --> 00:13:51,519

neowise the neowise mission

363

00:13:56,790 --> 00:13:54,320

and all of these opportunities have been

364

00:13:59,590 --> 00:13:56,800

really beneficial in in providing me the

365

00:14:01,829 --> 00:13:59,600

experience i think has helped me get

366

00:14:04,150 --> 00:14:01,839

here and as well as the understanding of

367

00:14:06,790 --> 00:14:04,160

what raja was was mentioning the the

368

00:14:08,629 --> 00:14:06,800

teamwork aspect of it and and how much

369

00:14:11,750 --> 00:14:08,639

nasa works together to accomplish the

370

00:14:15,750 --> 00:14:13,910

all right question over here hi my name

371

00:14:18,150 --> 00:14:15,760

is lindsay henry i'm a reporter with fox

372

00:14:19,750 --> 00:14:18,160

26 and congrats first off i'm so excited

373

00:14:21,910 --> 00:14:19,760

for all of y'all and to be here so thank

374

00:14:24,069 --> 00:14:21,920

you my question's for robert hines

375

00:14:25,829 --> 00:14:24,079

robert you are the only astronaut right

376

00:14:28,310 --> 00:14:25,839

now or the future astronaut the new

377

00:14:31,110 --> 00:14:28,320

astronaut that currently works for nasa

378

00:14:32,550 --> 00:14:31,120

um so has becoming an astronaut been

379

00:14:34,230 --> 00:14:32,560

something that was your goal from the

380

00:14:35,829 --> 00:14:34,240

very beginning and to finally reach that

381

00:14:38,310 --> 00:14:35,839

goal how does it feel

382

00:14:39,829 --> 00:14:38,320

uh actually no uh i didn't really learn

383

00:14:41,350 --> 00:14:39,839

about it until i got hired here that

384

00:14:42,629 --> 00:14:41,360

there uh i don't want to say there's a

385

00:14:45,030 --> 00:14:42,639

long history but there's certain

386

00:14:46,470 --> 00:14:45,040

precedent for people that were doing the

387

00:14:48,790 --> 00:14:46,480

research pilot job

388

00:14:51,269 --> 00:14:48,800

to have been picked up it's been

389

00:14:53,590 --> 00:14:51,279

25 years i think since the last

390

00:14:56,470 --> 00:14:53,600

somewhere around there since the last

391

00:14:58,230 --> 00:14:56,480

individual was was selected out of the

392

00:15:00,470 --> 00:14:58,240

aircraft operations division out there

393

00:15:02,470 --> 00:15:00,480

so uh actually what drove what brought

394

00:15:04,629 --> 00:15:02,480

me down here uh i mean obviously there

395

00:15:05,509 --> 00:15:04,639

was a job opening uh so

396

00:15:07,670 --> 00:15:05,519

uh

397

00:15:09,590 --> 00:15:07,680

but i it really appealed to me because

398

00:15:11,350 --> 00:15:09,600

you know like all of us are alluding to

399

00:15:12,710 --> 00:15:11,360

we've seen nasa the whole time growing

400

00:15:14,069 --> 00:15:12,720

up and we've heard about all the great

401
00:15:14,790 --> 00:15:14,079
things that they do

402
00:15:19,030 --> 00:15:14,800
and

403
00:15:20,790 --> 00:15:19,040
know being a part of the team down here

404
00:15:22,870 --> 00:15:20,800
that was one thing i told my previous

405
00:15:24,470 --> 00:15:22,880
employer when i left i was like yeah i'm

406
00:15:26,790 --> 00:15:24,480
going to be a tiny little cog in this

407
00:15:28,230 --> 00:15:26,800
giant space wheel but that's worth it

408
00:15:30,150 --> 00:15:28,240
you know it's going to be so cool to get

409
00:15:33,030 --> 00:15:30,160
down there and be able to train the

410
00:15:34,710 --> 00:15:33,040
astro these guys in the airplanes

411
00:15:37,110 --> 00:15:34,720
was just really exciting to me and then

412
00:15:38,870 --> 00:15:37,120
i got here and i'm like holy cow someone

413
00:15:40,870 --> 00:15:38,880

actually came from this job and went

414

00:15:42,470 --> 00:15:40,880

into the astronaut office

415

00:15:43,990 --> 00:15:42,480

and then i put the glimmer of hope out

416

00:15:46,629 --> 00:15:44,000

there and then once i started getting

417

00:15:49,110 --> 00:15:46,639

wind of their uh being a astronaut uh

418

00:15:50,949 --> 00:15:49,120

selection coming up i thought all right

419

00:15:52,629 --> 00:15:50,959

that was my chance i'm the i'm the old

420

00:15:54,550 --> 00:15:52,639

guy on the board here

421

00:15:56,710 --> 00:15:54,560

right now so i knew the clock was

422

00:15:58,230 --> 00:15:56,720

ticking on me but uh thankfully it all

423

00:15:59,189 --> 00:15:58,240

worked out and it's a blessing to be

424

00:16:00,949 --> 00:15:59,199

here

425

00:16:03,430 --> 00:16:00,959

have you given your fellow classmates

426

00:16:05,670 --> 00:16:03,440

any tips on moving to houston

427

00:16:08,069 --> 00:16:05,680

uh yes uh we've we've been talking about

428

00:16:10,069 --> 00:16:08,079

places to live and obviously the the

429

00:16:11,670 --> 00:16:10,079

whole clear lake friendswood area down

430

00:16:12,870 --> 00:16:11,680

here is just amazing and you can't

431

00:16:14,310 --> 00:16:12,880

really go wrong right the school

432

00:16:15,910 --> 00:16:14,320

districts are great

433

00:16:20,230 --> 00:16:15,920

and the nasa influence and the whole

434

00:16:24,629 --> 00:16:22,069

coming out of the military we're very

435

00:16:26,470 --> 00:16:24,639

rarely in urban areas near big cities

436

00:16:28,790 --> 00:16:26,480

and so for us when we got down here we

437

00:16:30,790 --> 00:16:28,800

were sure how we would handle it

438

00:16:32,550 --> 00:16:30,800

but we absolutely love the the area the

439

00:16:33,990 --> 00:16:32,560

houston community and the sense of

440

00:16:36,150 --> 00:16:34,000

community around here even though it's a

441

00:16:38,550 --> 00:16:36,160

big city is is really awesome and the

442

00:16:40,949 --> 00:16:38,560

support that everybody has for nasa

443

00:16:42,629 --> 00:16:40,959

the whole houston area

444

00:16:45,829 --> 00:16:42,639

really seems to support nasa so it's

445

00:16:50,150 --> 00:16:47,829

eric berger again with arch technica a

446

00:16:52,870 --> 00:16:50,160

question for rob can you talk about what

447

00:16:54,069 --> 00:16:52,880

you did at spacex what you worked on and

448

00:16:55,110 --> 00:16:54,079

then

449

00:16:59,030 --> 00:16:55,120

you're actually actually going to ride

450

00:17:02,389 --> 00:17:01,189

i'll uh all right on whatever spacecraft

451
00:17:04,710 --> 00:17:02,399
i can go on i'm pretty confident the

452
00:17:06,710 --> 00:17:04,720
processes as a whole to uh to get us

453
00:17:08,710 --> 00:17:06,720
there safely um

454
00:17:11,110 --> 00:17:08,720
so during my tenure in spacex i started

455
00:17:13,750 --> 00:17:11,120
out doing design and analysis of various

456
00:17:15,110 --> 00:17:13,760
systems on falcon 9.

457
00:17:16,710 --> 00:17:15,120
so actually you know started kind of the

458
00:17:18,630 --> 00:17:16,720
base level there got involved in

459
00:17:21,829 --> 00:17:18,640
actually building some of the first v

460
00:17:25,510 --> 00:17:21,839
1.1 vehicle that flew

461
00:17:27,350 --> 00:17:25,520
gosh it was 2012 or 2013 a while back

462
00:17:29,750 --> 00:17:27,360
worked operations for the structures

463
00:17:31,990 --> 00:17:29,760

department worked

464

00:17:33,430 --> 00:17:32,000

launch operations and then most recently

465

00:17:34,390 --> 00:17:33,440

i've been running the launch chief

466

00:17:35,990 --> 00:17:34,400

engineering group and what we call

467

00:17:37,590 --> 00:17:36,000

flight reliability

468

00:17:39,270 --> 00:17:37,600

and the whole you know part of flight

469

00:17:41,190 --> 00:17:39,280

reliability is really to try to make

470

00:17:43,350 --> 00:17:41,200

sure things don't go wrong

471

00:17:45,510 --> 00:17:43,360

and when they unfortunately do like in

472

00:17:47,909 --> 00:17:45,520

the flight 29

473

00:17:49,190 --> 00:17:47,919

failure this this last fall is to try to

474

00:17:51,350 --> 00:17:49,200

run those things to the ground to make

475

00:17:53,590 --> 00:17:51,360

sure they don't happen again

476
00:17:56,390 --> 00:17:53,600
you know even before i got lucky enough

477
00:17:57,590 --> 00:17:56,400
to get a phone call a couple weeks ago

478
00:17:58,789 --> 00:17:57,600
you know my whole goal coming out of

479
00:18:00,710 --> 00:17:58,799
that and i would say the team's whole

480
00:18:02,230 --> 00:18:00,720
goal was to make sure that the falcon 9

481
00:18:04,549 --> 00:18:02,240
was as reliable

482
00:18:06,789 --> 00:18:04,559
and successful as possible

483
00:18:08,710 --> 00:18:06,799
for spacex's commercial partners but

484
00:18:09,590 --> 00:18:08,720
also of course very importantly for the

485
00:18:12,230 --> 00:18:09,600
crew

486
00:18:13,270 --> 00:18:12,240
that'll fly on that vehicle

487
00:18:14,710 --> 00:18:13,280
and i think it's something that just

488
00:18:19,110 --> 00:18:14,720

helped us grow stronger and let me go

489

00:18:23,669 --> 00:18:21,830

you have one right here as well

490

00:18:32,230 --> 00:18:23,679

how many of you hope to be on the first

491

00:18:40,549 --> 00:18:33,990

have you gotten a look at the orion

492

00:18:45,029 --> 00:18:43,110

all right question up here

493

00:18:46,870 --> 00:18:45,039

uh carl clark again within space on the

494

00:18:49,270 --> 00:18:46,880

left uh kind of along the same vein is

495

00:18:51,590 --> 00:18:49,280

that if you could imagine yourself

496

00:18:53,190 --> 00:18:51,600

discovering one thing in your career as

497

00:18:55,029 --> 00:18:53,200

an astronaut kind of what would you like

498

00:18:57,190 --> 00:18:55,039

it to be given your very diverse

499

00:18:58,630 --> 00:18:57,200

background of engineering science

500

00:18:59,750 --> 00:18:58,640

physics all that kind of good stuff is

501
00:19:04,150 --> 00:18:59,760
there something you could discover what

502
00:19:06,950 --> 00:19:05,510
i think for me

503
00:19:08,630 --> 00:19:06,960
one of the things that that's always

504
00:19:10,390 --> 00:19:08,640
kind of drawn me to space is the the

505
00:19:11,510 --> 00:19:10,400
different view

506
00:19:13,350 --> 00:19:11,520
that

507
00:19:14,950 --> 00:19:13,360
it seems like space must must give you

508
00:19:16,789 --> 00:19:14,960
right so trying to look

509
00:19:19,350 --> 00:19:16,799
from space down on earth and realizing

510
00:19:20,950 --> 00:19:19,360
how delicate this planet is and

511
00:19:23,029 --> 00:19:20,960
honestly i think

512
00:19:24,230 --> 00:19:23,039
less of a discovery of something new but

513
00:19:26,310 --> 00:19:24,240

more of discovering a way to really

514

00:19:28,310 --> 00:19:26,320

express that to all the people across

515

00:19:30,150 --> 00:19:28,320

the planet i think that would be

516

00:19:32,310 --> 00:19:30,160

something amazing

517

00:19:33,510 --> 00:19:32,320

if we could really try to help people

518

00:19:34,950 --> 00:19:33,520

realize

519

00:19:36,390 --> 00:19:34,960

that borders are something that we

520

00:19:39,029 --> 00:19:36,400

create

521

00:19:40,630 --> 00:19:39,039

and they're not natural um i think

522

00:19:41,909 --> 00:19:40,640

we would just make you know the world a

523

00:19:43,350 --> 00:19:41,919

better place so if we could discover a

524

00:19:44,549 --> 00:19:43,360

way to kind of spread that that

525

00:19:46,230 --> 00:19:44,559

understanding or knowledge that'd be

526
00:19:47,430 --> 00:19:46,240
incredible

527
00:19:49,350 --> 00:19:47,440
and it looked like woody maybe wanted to

528
00:19:51,350 --> 00:19:49,360
say something well i i don't think that

529
00:19:54,230 --> 00:19:51,360
was a great answer uh

530
00:19:56,230 --> 00:19:54,240
um so i i'm an engineer and one of the

531
00:19:58,789 --> 00:19:56,240
things that i've found about

532
00:20:01,190 --> 00:19:58,799
throughout my whole career is that

533
00:20:02,310 --> 00:20:01,200
just to expect the unexpected and so

534
00:20:03,669 --> 00:20:02,320
that's kind of the very nature of

535
00:20:04,710 --> 00:20:03,679
discovery is hey we don't know what

536
00:20:06,470 --> 00:20:04,720
we're going out to find but it's going

537
00:20:10,149 --> 00:20:06,480
to be really cool when we do so

538
00:20:12,830 --> 00:20:11,590

go ahead

539

00:20:15,110 --> 00:20:12,840

hi robert perlin with

540

00:20:17,110 --> 00:20:15,120

collectspacespace.com again um you're

541

00:20:19,350 --> 00:20:17,120

about in august you'll begin two years

542

00:20:21,430 --> 00:20:19,360

of basic training is there any

543

00:20:22,630 --> 00:20:21,440

particular experience you're really

544

00:20:24,470 --> 00:20:22,640

looking forward to is there any

545

00:20:25,750 --> 00:20:24,480

particular thing that you know about the

546

00:20:29,110 --> 00:20:25,760

astronaut experience that you're not

547

00:20:32,710 --> 00:20:30,630

really looking forward to working at the

548

00:20:34,230 --> 00:20:32,720

neutral buoyancy lab and hopping in the

549

00:20:38,070 --> 00:20:34,240

spacesuit and pretending to do

550

00:20:41,110 --> 00:20:39,590

i'm actually really looking forward to

551

00:20:43,029 --> 00:20:41,120

learning the russian language i think

552

00:20:45,190 --> 00:20:43,039

the chance to learn a new language as an

553

00:20:47,190 --> 00:20:45,200

adult is a pretty amazing opportunity

554

00:20:49,110 --> 00:20:47,200

and then from there getting to do all of

555

00:20:50,710 --> 00:20:49,120

this international collaboration and

556

00:20:52,230 --> 00:20:50,720

traveling abroad to other centers to

557

00:20:59,430 --> 00:20:52,240

learn from them i think that's going to

558

00:21:03,110 --> 00:21:00,950

if there's one thing i've learned in the

559

00:21:05,669 --> 00:21:03,120

last 48 hours it's how cool it is to be

560

00:21:07,190 --> 00:21:05,679

a naval aviator

561

00:21:07,630 --> 00:21:07,200

so i'm really looking forward to flying

562

00:21:11,190 --> 00:21:07,640

jets

563

00:21:12,630 --> 00:21:11,200

[Laughter]

564

00:21:17,350 --> 00:21:12,640

anyone got anything they're not looking

565

00:21:21,909 --> 00:21:19,909

all right space toilet another question

566

00:21:23,350 --> 00:21:21,919

from social media now

567

00:21:25,990 --> 00:21:23,360

a couple more i know we've touched on

568

00:21:28,310 --> 00:21:26,000

this earlier but it's worth reiterating

569

00:21:30,470 --> 00:21:28,320

tj on facebook wants to know how many of

570

00:21:38,870 --> 00:21:30,480

you were inspired in part by the nasa

571

00:21:41,990 --> 00:21:40,470

absolutely

572

00:21:44,549 --> 00:21:42,000

i was in when i was university of san

573

00:21:46,470 --> 00:21:44,559

diego i put in a request and put a

574

00:21:47,750 --> 00:21:46,480

proposal in and got to do the reduced

575

00:21:50,310 --> 00:21:47,760

gravity student flight opportunities

576
00:21:51,430 --> 00:21:50,320
program and came out here to ellington

577
00:21:53,270 --> 00:21:51,440
and that i think is through the

578
00:21:55,430 --> 00:21:53,280
education office uh incredible

579
00:21:56,630 --> 00:21:55,440
opportunity incredibly inspirational

580
00:21:58,390 --> 00:21:56,640
there's a couple key phrases that got

581
00:21:59,430 --> 00:21:58,400
mentioned to me there that i have never

582
00:22:00,710 --> 00:21:59,440
forgotten

583
00:22:02,549 --> 00:22:00,720
and things that inspired me there for

584
00:22:04,310 --> 00:22:02,559
sure

585
00:22:06,789 --> 00:22:04,320
that's awesome thanks

586
00:22:08,630 --> 00:22:06,799
from holly my daughter just graduated

587
00:22:10,390 --> 00:22:08,640
high school and last month visited nasa

588
00:22:12,390 --> 00:22:10,400

in florida she was inspired to major in

589

00:22:14,149 --> 00:22:12,400

engineering at college this fall what

590

00:22:15,909 --> 00:22:14,159

are some other things she can do to

591

00:22:21,350 --> 00:22:15,919

achieve her goal of working at nasa

592

00:22:21,360 --> 00:22:24,870

i've got the mic right now

593

00:22:30,149 --> 00:22:26,230

continue to

594

00:22:31,350 --> 00:22:30,159

you know astronaut was always an option

595

00:22:33,110 --> 00:22:31,360

in the back of my head or the front of

596

00:22:34,470 --> 00:22:33,120

my head as i went through life but just

597

00:22:37,830 --> 00:22:34,480

continue to do what you love and the

598

00:22:39,669 --> 00:22:37,840

pieces will fall in every time

599

00:22:42,789 --> 00:22:39,679

anybody else i i'd say learn to be a

600

00:22:44,789 --> 00:22:42,799

team player i'm just kidding um no also

601
00:22:47,590 --> 00:22:44,799
that but um so i

602
00:22:47,600 --> 00:22:50,470
know

603
00:22:53,669 --> 00:22:52,149
i i actually started out as an

604
00:22:56,310 --> 00:22:53,679
engineering major

605
00:22:57,990 --> 00:22:56,320
in college and i found that that wasn't

606
00:23:00,870 --> 00:22:58,000
uh what i loved it wasn't what i was

607
00:23:02,789 --> 00:23:00,880
passionate about and so i actually

608
00:23:04,310 --> 00:23:02,799
went back to the kind of requirements

609
00:23:06,310 --> 00:23:04,320
for being an astronaut because i knew

610
00:23:08,710 --> 00:23:06,320
then that that was kind of the end goal

611
00:23:11,110 --> 00:23:08,720
and found that uh that you can major in

612
00:23:13,510 --> 00:23:11,120
any stem field so science technology

613
00:23:15,750 --> 00:23:13,520

mathematics um and so that's how i fell

614

00:23:18,149 --> 00:23:15,760

into uh geology and particularly

615

00:23:20,630 --> 00:23:18,159

planetary geology and that path has led

616

00:23:22,870 --> 00:23:20,640

me here so i would say that

617

00:23:24,789 --> 00:23:22,880

keep those those uh

618

00:23:27,110 --> 00:23:24,799

super high goals but but know that your

619

00:23:29,270 --> 00:23:27,120

path to get there may change

620

00:23:31,110 --> 00:23:29,280

well and on the on the subject of being

621

00:23:33,029 --> 00:23:31,120

a team player you've played on quite a

622

00:23:34,470 --> 00:23:33,039

few teams i think you think that had

623

00:23:36,870 --> 00:23:34,480

anything to do with

624

00:23:38,789 --> 00:23:36,880

you getting this far yes absolutely um

625

00:23:41,909 --> 00:23:38,799

yes so i've played sports most of my

626

00:23:43,830 --> 00:23:41,919

life um i in college in particular i

627

00:23:46,789 --> 00:23:43,840

played rugby on the stanford women's

628

00:23:48,950 --> 00:23:46,799

rugby team um and also played on the

629

00:23:51,110 --> 00:23:48,960

national team as well the national

630

00:23:53,510 --> 00:23:51,120

women's sevens rugby team um and

631

00:23:55,269 --> 00:23:53,520

definitely that experience has um helped

632

00:23:57,990 --> 00:23:55,279

me understand the importance of teamwork

633

00:23:59,750 --> 00:23:58,000

and discipline and working towards goals

634

00:24:01,669 --> 00:23:59,760

and and putting in that hard work and

635

00:24:03,430 --> 00:24:01,679

dedication so i certainly i think that

636

00:24:05,590 --> 00:24:03,440

has shaped who i am today and helped me

637

00:24:07,750 --> 00:24:05,600

get here

638

00:24:09,269 --> 00:24:07,760

all right

639

00:24:13,430 --> 00:24:09,279

any other questions

640

00:24:18,470 --> 00:24:16,549

so the selection process culminates with

641

00:24:20,230 --> 00:24:18,480

us having the opportunity to make the

642

00:24:21,830 --> 00:24:20,240

phone calls to offer you guys jobs

643

00:24:23,269 --> 00:24:21,840

except for bob's

644

00:24:24,710 --> 00:24:23,279

instance

645

00:24:26,789 --> 00:24:24,720

and uh

646

00:24:29,269 --> 00:24:26,799

and there's lots of emotion in those

647

00:24:30,230 --> 00:24:29,279

phone calls but by far the most emotion

648

00:24:31,029 --> 00:24:30,240

xena

649

00:24:33,510 --> 00:24:31,039

was

650

00:24:34,950 --> 00:24:33,520

your phone call can you tell us or share

651
00:24:36,710 --> 00:24:34,960
with the audience

652
00:24:39,269 --> 00:24:36,720
what was going through your mind where

653
00:24:41,510 --> 00:24:39,279
were you and what happened when you hung

654
00:24:44,070 --> 00:24:41,520
up the phone after you

655
00:24:45,669 --> 00:24:44,080
said yes to us sure um

656
00:24:48,549 --> 00:24:45,679
so we knew the day that we were going to

657
00:24:50,470 --> 00:24:48,559
get the phone call um and my fiance is

658
00:24:52,470 --> 00:24:50,480
actually out on a research vessel right

659
00:24:53,830 --> 00:24:52,480
now and so i asked a couple of very

660
00:24:55,830 --> 00:24:53,840
close friends to

661
00:24:58,310 --> 00:24:55,840
first keep the secret and second come

662
00:24:59,990 --> 00:24:58,320
keep me company come babysit me so they

663
00:25:02,310 --> 00:25:00,000

made me breakfast tacos and we were

664

00:25:04,789 --> 00:25:02,320

sitting around in my living room um and

665

00:25:06,470 --> 00:25:04,799

there's a series of photos of that

666

00:25:07,750 --> 00:25:06,480

morning where you can just watch my face

667

00:25:09,669 --> 00:25:07,760

going from

668

00:25:11,110 --> 00:25:09,679

you know anything could happen this is

669

00:25:13,190 --> 00:25:11,120

going to be a great day no matter what

670

00:25:14,870 --> 00:25:13,200

to just like

671

00:25:17,190 --> 00:25:14,880

oh no um

672

00:25:19,750 --> 00:25:17,200

i'm you know as i'm just losing

673

00:25:22,070 --> 00:25:19,760

energy losing hope um

674

00:25:24,710 --> 00:25:22,080

and then a photo of me getting the phone

675

00:25:27,110 --> 00:25:24,720

call and you know i had my hand over my

676

00:25:30,390 --> 00:25:27,120

heart because it was just

677

00:25:32,310 --> 00:25:30,400

absolute utter overwhelming emotion um

678

00:25:34,310 --> 00:25:32,320

you know i i haven't stopped smiling

679

00:25:36,390 --> 00:25:34,320

since but i really i don't think i've

680

00:25:37,830 --> 00:25:36,400

ever smiled that big in my life it was

681

00:25:40,390 --> 00:25:37,840

it was awesome and

682

00:25:42,789 --> 00:25:40,400

right after that i immediately called my

683

00:25:45,669 --> 00:25:42,799

fiance i woke him up in his bunk he was

684

00:25:47,110 --> 00:25:45,679

asleep he was on the night shift and

685

00:25:49,110 --> 00:25:47,120

according to my friends i didn't even

686

00:25:51,990 --> 00:25:49,120

tell him i got the job i'm just you know

687

00:25:53,909 --> 00:25:52,000

sort of laugh crying over the phone and

688

00:25:55,190 --> 00:25:53,919

i guess he figured it out but yeah

689

00:25:56,950 --> 00:25:55,200

getting getting to share that moment

690

00:25:58,390 --> 00:25:56,960

with those friends and

691

00:26:00,149 --> 00:25:58,400

everyone it was just

692

00:26:01,909 --> 00:26:00,159

awesome

693

00:26:04,310 --> 00:26:01,919

came through on the phone and we had our

694

00:26:07,669 --> 00:26:04,320

hands on our hearts too so that's really

695

00:26:10,470 --> 00:26:09,190

all right well chris since you got to

696

00:26:12,470 --> 00:26:10,480

spend a lot of time with these guys

697

00:26:14,870 --> 00:26:12,480

during the interview process and you

698

00:26:17,909 --> 00:26:14,880

were one of the many who worked to get

699

00:26:20,630 --> 00:26:17,919

the 18 000 plus applications down from

700

00:26:22,070 --> 00:26:20,640

down from 18 000 to 12. anything you'd

701
00:26:23,269 --> 00:26:22,080
say about this class and kind of what

702
00:26:24,630 --> 00:26:23,279
you see going forward for them in the

703
00:26:26,149 --> 00:26:24,640
future

704
00:26:27,750 --> 00:26:26,159
well i think their egos are blown up

705
00:26:29,510 --> 00:26:27,760
quite enough already so i don't need to

706
00:26:31,029 --> 00:26:29,520
let them know how great they are but no

707
00:26:34,470 --> 00:26:31,039
in all seriousness

708
00:26:36,630 --> 00:26:34,480
um getting down from 18 000 to some

709
00:26:38,070 --> 00:26:36,640
manageable number was a feat of it in

710
00:26:40,630 --> 00:26:38,080
and of itself and we physically

711
00:26:42,149 --> 00:26:40,640
interviewed 120 people here in houston

712
00:26:45,590 --> 00:26:42,159
obviously these 12

713
00:26:47,190 --> 00:26:45,600

were were part part of that and

714

00:26:49,830 --> 00:26:47,200

that's when it really gets hard i

715

00:26:51,669 --> 00:26:49,840

thought the 18 000 to 120 was difficult

716

00:26:53,909 --> 00:26:51,679

but that's all paper and there's no

717

00:26:56,230 --> 00:26:53,919

emotion we don't know the individuals as

718

00:26:57,990 --> 00:26:56,240

people yet and then we spend an hour

719

00:27:00,390 --> 00:26:58,000

with them in the conference room and

720

00:27:02,470 --> 00:27:00,400

socialize with them in the evening

721

00:27:04,470 --> 00:27:02,480

and get to know all the individuals

722

00:27:06,310 --> 00:27:04,480

personally and

723

00:27:09,029 --> 00:27:06,320

it was really hard to make some of the

724

00:27:09,909 --> 00:27:09,039

other phone calls to the folks that you

725

00:27:11,669 --> 00:27:09,919

guys

726
00:27:12,789 --> 00:27:11,679
met with and interviewed with and know

727
00:27:14,789 --> 00:27:12,799
that there's some really talented

728
00:27:17,190 --> 00:27:14,799
capable people out there

729
00:27:20,149 --> 00:27:17,200
but we're so happy to have these 12 and

730
00:27:21,990 --> 00:27:20,159
and it was just a real treat to invite

731
00:27:23,990 --> 00:27:22,000
and talk about those particular names

732
00:27:25,590 --> 00:27:24,000
and these particular faces and make the

733
00:27:27,190 --> 00:27:25,600
phone calls to bring them here we're

734
00:27:28,549 --> 00:27:27,200
just really excited to get started and

735
00:27:29,990 --> 00:27:28,559
get them going and integrate them into

736
00:27:31,110 --> 00:27:30,000
the office

737
00:27:33,269 --> 00:27:31,120
yes we're looking forward to getting

738
00:27:34,470 --> 00:27:33,279

them back here in august and i think we

739

00:27:35,190 --> 00:27:34,480

have one more question then we'll wrap

740

00:27:37,110 --> 00:27:35,200

up

741

00:27:39,430 --> 00:27:37,120

okay uh

742

00:27:41,430 --> 00:27:39,440

casey rogers 21st century again i just

743

00:27:43,750 --> 00:27:41,440

wanted to ask that remember earlier

744

00:27:45,510 --> 00:27:43,760

someone was saying that they had

745

00:27:47,350 --> 00:27:45,520

four children and a wife i couldn't

746

00:27:50,549 --> 00:27:47,360

remember who it was

747

00:27:53,190 --> 00:27:50,559

and i'm sure the rest of you all have

748

00:27:55,669 --> 00:27:53,200

husbands wives children

749

00:27:57,909 --> 00:27:55,679

and that's a big

750

00:28:00,389 --> 00:27:57,919

really big undertaking there how is

751
00:28:03,909 --> 00:28:00,399
how's your family taking it what is the

752
00:28:05,190 --> 00:28:03,919
support level from the family and then

753
00:28:07,029 --> 00:28:05,200
also

754
00:28:12,789 --> 00:28:07,039
how do you transition

755
00:28:17,510 --> 00:28:14,389
yeah so i think most of us would agree

756
00:28:18,549 --> 00:28:17,520
we all have amazing spouses or partners

757
00:28:20,710 --> 00:28:18,559
or

758
00:28:22,470 --> 00:28:20,720
family members i mean again just the

759
00:28:23,909 --> 00:28:22,480
amount of support you need

760
00:28:26,710 --> 00:28:23,919
to do some of the things we've been

761
00:28:29,750 --> 00:28:26,720
blessed to do is is immeasurable

762
00:28:31,830 --> 00:28:29,760
um and you know but it's also important

763
00:28:34,149 --> 00:28:31,840

you know you read these resumes and you

764

00:28:36,870 --> 00:28:34,159

look at our careers and you think that

765

00:28:38,389 --> 00:28:36,880

um all you ever do is work but i think

766

00:28:39,269 --> 00:28:38,399

it's really important to have balance in

767

00:28:41,190 --> 00:28:39,279

life

768

00:28:42,710 --> 00:28:41,200

and i personally have tried to do that

769

00:28:44,789 --> 00:28:42,720

at every step of the way you know they

770

00:28:46,070 --> 00:28:44,799

may not get a ton of time but the time

771

00:28:47,269 --> 00:28:46,080

time that they do get try to make

772

00:28:48,870 --> 00:28:47,279

equality

773

00:28:50,470 --> 00:28:48,880

and and sometimes you have to just put

774

00:28:52,630 --> 00:28:50,480

down the the work

775

00:28:53,990 --> 00:28:52,640

and focus on family and and if that

776
00:28:55,350 --> 00:28:54,000
means passing up a goal or an

777
00:28:56,950 --> 00:28:55,360
accomplishment then

778
00:28:59,110 --> 00:28:56,960
so be it uh fortunately i've been

779
00:29:00,149 --> 00:28:59,120
blessed enough that it's worked out okay

780
00:29:03,830 --> 00:29:00,159
so far

781
00:29:05,590 --> 00:29:03,840
um but i think that balance you know to

782
00:29:06,870 --> 00:29:05,600
is an advice that i try to give to all

783
00:29:09,909 --> 00:29:06,880
young people that i talk to because

784
00:29:13,430 --> 00:29:11,510
all right i think that's a great note to

785
00:29:14,630 --> 00:29:13,440
wrap up wrap up on so we're going to say

786
00:29:16,470 --> 00:29:14,640
goodbye but of course you're going to

787
00:29:18,870 --> 00:29:16,480
want to find out more about these guys

788
00:29:21,430 --> 00:29:18,880

you can go to [nasa.gov](https://www.nasa.gov)

789

00:29:23,350 --> 00:29:21,440

2017 astronauts for their bios and