

1
00:00:40,573 --> 00:00:13,446

[■■■■]

2
00:00:40,640 --> 00:00:41,741

>>> LADIES AND GENTLEMEN, THANK

3
00:00:41,808 --> 00:00:43,209

YOU FOR WATCHING.

4
00:00:43,276 --> 00:00:46,880

WELCOME TO WATCH THIS SPACE.

5
00:00:46,946 --> 00:00:51,384

I'M THE HAS AN ADMINISTRATOR JIM

6
00:00:51,451 --> 00:00:52,118

BRIDENSTINE.

7
00:00:52,185 --> 00:00:53,620

THE VIDEO YOU JUST WATCHED WAS A

8
00:00:53,686 --> 00:00:55,255

VIDEO OF SOME OF AMERICA'S

9
00:00:55,321 --> 00:00:57,457

FINEST AND, IN FACT, SOME OF

10
00:00:57,524 --> 00:00:58,725

CANADA'S FINEST.

11
00:00:58,792 --> 00:01:03,296

THESE ARE OUR NEW GENERATION OF

12
00:01:03,363 --> 00:01:03,930

ASTRONAUTS.

13
00:01:03,997 --> 00:01:06,633

WE CALL THEM ASTRONAUT

14

00:01:06,699 --> 00:01:07,033

CANDIDATES.

15

00:01:07,100 --> 00:01:08,902

WE HAVE AN OPPORTUNITY TO MEET

16

00:01:08,968 --> 00:01:10,236

THEM TODAY.

17

00:01:10,303 --> 00:01:11,771

N.A.S.A. IS ON THE BRINK OF

18

00:01:11,838 --> 00:01:13,773

DOING SOME AMAZING THINGS.

19

00:01:13,840 --> 00:01:15,608

WE ARE FIRST THE FIRST TIME

20

00:01:15,675 --> 00:01:20,680

SINCE 2017 ON THE PRECIPICE OF

21

00:01:20,747 --> 00:01:22,782

LAUNCHING AMERICAN ASTRONAUTS.

22

00:01:22,849 --> 00:01:24,818

THIS HASN'T BEEN TONNE SINCE THE

23

00:01:24,884 --> 00:01:26,119

RETIREMENT OF THE SPACE SHUTTLE.

24

00:01:26,186 --> 00:01:28,054

WE'RE GOING TO DO THAT NEXT

25

00:01:28,121 --> 00:01:28,354

YEAR.

26
00:01:28,421 --> 00:01:31,524
THESE ASTRONAUTS ARE GOING TO

27
00:01:31,591 --> 00:01:36,463
THE INTERNATIONAL SPACE STATION

28
00:01:36,529 --> 00:01:38,064
ON CREW.

29
00:01:38,131 --> 00:01:39,499
THEY'RE NOT PURCHASING THESE

30
00:01:39,566 --> 00:01:41,468
ROCKETS IN THE PAST; N.A.S.A. IS

31
00:01:41,534 --> 00:01:42,902
BUYING A SERVICE FROM OUR

32
00:01:42,969 --> 00:01:44,737
COMMERCIAL CREW PROVIDERS.

33
00:01:44,804 --> 00:01:47,874
IN THIS CASE SPACE X AND BOWING

34
00:01:47,941 --> 00:01:51,044
AND THE VEHICLE WILL BE

35
00:01:51,110 --> 00:01:51,945
LAUNCHING ON THE AMERICAN

36
00:01:52,011 --> 00:01:52,278
ROCKET.

37
00:01:52,345 --> 00:01:56,282
THIS IS AN EXCITING TIME.

38
00:01:56,349 --> 00:01:57,984

THE TIME BEING WE CAN DRIVE DOWN

39
00:01:58,051 --> 00:01:59,252
COSTS AND INCREASE ACCESS WHERE

40
00:01:59,319 --> 00:02:01,087
N.A.S.A. IS ONE CUSTOMER OF MANY

41
00:02:01,154 --> 00:02:01,855
CUSTOMERS WITH PROVIDERS THAT

42
00:02:01,921 --> 00:02:04,991
ARE COMPETING ON COST AND

43
00:02:05,058 --> 00:02:06,392
INNOVATION IN LOWER EARTH ORBIT.

44
00:02:06,459 --> 00:02:09,395
THIS IS EXCITING FOR THE U.S.A.,

45
00:02:09,462 --> 00:02:11,698
IT IS EXCITING FOR N.A.S.A. AND

46
00:02:11,764 --> 00:02:13,900
THE BIG REASON WHY WE'RE DOING

47
00:02:13,967 --> 00:02:14,834
THIS WITH COMMERCIAL CREW

48
00:02:14,901 --> 00:02:16,636
BECAUSE IF WE CAN DRIVE DOWN

49
00:02:16,703 --> 00:02:17,937
COSTS AND COMMERCIALISE LOWER

50
00:02:18,004 --> 00:02:20,940
EARTH ORBIT, WE CAN GO FURTHER.

51
00:02:21,007 --> 00:02:22,942
THE PRESIDENT HAS PUT OUT SPACE

52
00:02:23,009 --> 00:02:24,143
POLICY DIRECTIVE 1 AND SAYING

53
00:02:24,210 --> 00:02:25,478
WE'RE GOING BACK TO THE MOON.

54
00:02:25,545 --> 00:02:28,248
WE'RE GOING BACK TO THE MOON

55
00:02:28,314 --> 00:02:29,782
WITH INTERNATIONAL PARTNERS AND

56
00:02:29,849 --> 00:02:30,884
COMMERCIAL PARTNERS.

57
00:02:30,950 --> 00:02:32,318
WE'RE GOING UTILISE THE

58
00:02:32,385 --> 00:02:33,319
RESOURCES OF THE MOON AND THIS

59
00:02:33,386 --> 00:02:35,154
TIME WHEN WE GO TO THE MOON IT

60
00:02:35,221 --> 00:02:37,891
IS GOING TO BE SUSTAINABLE; IN

61
00:02:37,957 --> 00:02:38,858
OTHER WORDS, WE'RE GOING TO

62
00:02:38,925 --> 00:02:39,192
STAY.

63
00:02:39,259 --> 00:02:41,227

WE'RE GOING TO STAY WITH ROBOTS

64

00:02:41,294 --> 00:02:45,498

AND LANDERS AND ROVERS AND

65

00:02:45,565 --> 00:02:48,067

HUMANS GOING BACK AND FORTH FROM

66

00:02:48,134 --> 00:02:51,004

THE SURFACE OF THE MOON WHICH WE

67

00:02:51,070 --> 00:02:54,674

DAUL GATEWAY WHICH IS IN THE

68

00:02:54,741 --> 00:02:56,976

MOON AROUND DEEP SPACE. THERE'S

69

00:02:57,043 --> 00:02:58,011

EXCITING THINGS HAPPENING AT

70

00:02:58,077 --> 00:02:58,344

N.A.S.A.

71

00:02:58,411 --> 00:02:59,979

THE PEOPLE THAT ARE GOING TO BE

72

00:03:00,046 --> 00:03:01,981

ON THESE MISSIONS, THE ONES THAT

73

00:03:02,048 --> 00:03:04,918

WILL FLY THEM, THAT NEXT

74

00:03:04,984 --> 00:03:10,323

GENERATION OF NEIL ARMSTRONG AZ

75

00:03:10,390 --> 00:03:16,496

AND BUZZ ALDRONS, THEY'RE GOING

76

00:03:16,563 --> 00:03:17,497

TO BE HERE.

77

00:03:17,564 --> 00:03:20,633

LET'S GET STARTED.

78

00:03:20,700 --> 00:03:26,039

[APPLAUSE]S AZ

79

00:03:26,105 --> 00:03:26,806

AND BUZZ ALDRONS, THEY'RE GOING

80

00:03:26,873 --> 00:03:27,206

TO BE HERE.

81

00:03:27,273 --> 00:03:27,707

LET'S GET STARTED.

82

00:03:27,774 --> 00:03:28,374

[APPLAUSE]AZ

83

00:03:28,441 --> 00:03:29,108

AND BUZZ ALDRONS, THEY'RE GOING

84

00:03:29,175 --> 00:03:29,509

TO BE HERE.

85

00:03:29,576 --> 00:03:30,009

LET'S GET STARTED.

86

00:03:30,076 --> 00:03:30,443

[APPLAUSE]

87

00:03:30,510 --> 00:03:31,177

AND BUZZ ALDRONS, THEY'RE GOING

88

00:03:31,244 --> 00:03:31,578

TO BE HERE.

89

00:03:31,644 --> 00:03:32,078

LET'S GET STARTED.

90

00:03:32,145 --> 00:03:40,086

[APPLAUSE] [APPLAUSE]

91

00:03:40,153 --> 00:03:45,325

[APPLAUSE].

92

00:03:45,391 --> 00:03:48,728

>>> IN FACT AN A LOT OF PEOPLE

93

00:03:48,795 --> 00:03:50,530

AROUND THE COUNTRY ARE

94

00:03:50,597 --> 00:03:52,098

INTERESTED IN WHO YOU ARE AND

95

00:03:52,165 --> 00:03:54,000

WHAT YOU'RE GOING TO DO ON

96

00:03:54,067 --> 00:03:56,803

BEHALF OF THE U.S.A. AND CANADA

97

00:03:56,869 --> 00:03:58,171

AND ON BEHALF OF THE WORLD.

98

00:03:58,237 --> 00:03:59,973

THANK YOU FOR BEING HERE AND

99

00:04:00,039 --> 00:04:01,341

PARTICIPATING IN THIS, THANK YOU

100

00:04:01,407 --> 00:04:03,109

FOR THIS AUDIENCE LOVE ON YOU

101
00:04:03,176 --> 00:04:05,278
FOR A FEW MINUTES THERE.

102
00:04:05,345 --> 00:04:07,080
A LOT OF ENTHUSIASM.

103
00:04:07,146 --> 00:04:09,682
PLEASE HAVE YOUR SEATS.

104
00:04:09,749 --> 00:04:12,085
WE WILL START WITH KAYLA AND GO

105
00:04:12,151 --> 00:04:13,052
DOWN THE ROAD.

106
00:04:13,119 --> 00:04:15,455
IF EACH OF YOU WOULD TAKE A FEW

107
00:04:15,521 --> 00:04:17,490
MOMENTS, TELL US WHAT YOUR NAME

108
00:04:17,557 --> 00:04:19,025
IS, WHERE YOU'RE FROM AND A

109
00:04:19,092 --> 00:04:20,693
LITTLE BIT ABOUT YOUR

110
00:04:20,760 --> 00:04:21,561
BACKGROUND, WHERE YOU COME FROM

111
00:04:21,628 --> 00:04:23,529
AND WHAT GOT YOU TO THE POINT

112
00:04:23,596 --> 00:04:26,532
WHERE YOU'RE READY TO BE AN

113
00:04:26,599 --> 00:04:26,933

ASTRONAUT.

114

00:04:27,000 --> 00:04:29,168

>> THANKS FOR HAVING US HERE.

115

00:04:29,235 --> 00:04:32,472

IT IS AN ONHOUR TO BE HERE.

116

00:04:32,538 --> 00:04:36,976

MY BACKGROUND IS IN NAVY.

117

00:04:37,043 --> 00:04:39,012

IN THE CLASS OF 2010 AND SERVED

118

00:04:39,078 --> 00:04:41,180

ON SUBMARINES BEFORE COMING TO

119

00:04:41,247 --> 00:04:41,948

N.A.S.A.

120

00:04:42,015 --> 00:04:43,916

I'M FROM WASHINGTON STATE.

121

00:04:43,983 --> 00:04:45,785

>>> SINCE I'VE BEEN THE

122

00:04:45,852 --> 00:04:47,954

ADMINISTRATOR I'VE HAD A LOT OF

123

00:04:48,021 --> 00:04:50,657

DEBRIEFS FROM OUR ASTRONAUTS WHO

124

00:04:50,723 --> 00:04:52,091

LIVE AND WORK ON THE

125

00:04:52,158 --> 00:04:53,192

INTERNATIONAL SPACE STATION.

126
00:04:53,259 --> 00:04:57,397
I CAN TELL BASED ON THOSE THAT

127
00:04:57,463 --> 00:04:59,932
YOUR EXPERIENCE ON SUBMARINES,

128
00:04:59,999 --> 00:05:02,669
LIVING IN CLOSE QUARTERS WITH

129
00:05:02,735 --> 00:05:05,304
OTHER PEOPLE IS VALUABLE GOING

130
00:05:05,371 --> 00:05:05,638
FORWARD.

131
00:05:05,705 --> 00:05:07,507
>> I'M ZINA.

132
00:05:07,573 --> 00:05:09,876
I WENT TO CHAPEL HILL AND THEN

133
00:05:09,942 --> 00:05:10,710
PEN STATE.

134
00:05:10,777 --> 00:05:13,179
I WAS A MICRO BIOLOGIST STUDYING

135
00:05:13,246 --> 00:05:15,682
CAVES IN THE DEEP SEA.

136
00:05:15,748 --> 00:05:18,151
>>> THANK YOU.

137
00:05:18,217 --> 00:05:23,289
>> I'M ROGER AND I GREW UP IN

138
00:05:23,356 --> 00:05:26,359

IOWA AND WAS AN AIR FORCE TEST

139

00:05:26,426 --> 00:05:26,693

PILOT.

140

00:05:26,759 --> 00:05:29,529

I GO BY GRAND YEAH.

141

00:05:29,595 --> 00:05:33,366

>>> THAT'S YOUR CALL SIGN?

142

00:05:33,433 --> 00:05:34,600

>> YES.

143

00:05:34,667 --> 00:05:36,035

>>> MATTHEW.

144

00:05:36,102 --> 00:05:40,073

I GREW UP IN COLORADA.

145

00:05:40,139 --> 00:05:43,976

I WENT FOR UNIVERSITY FOR

146

00:05:44,043 --> 00:05:44,377

ENGINEERING.

147

00:05:44,444 --> 00:05:47,780

I WAS AN NAVAL TEST PILOT.

148

00:05:47,847 --> 00:05:50,016

>> I'M BOB.

149

00:05:50,083 --> 00:05:53,052

I GREW UP IN PENNSYLVANIA, WENT

150

00:05:53,119 --> 00:05:54,287

TO BOSTON UNIVERSITY AND THE

151
00:05:54,353 --> 00:05:56,255
UNIVERSITY OF ALABAMA A.

152
00:05:56,322 --> 00:05:58,357
I WAS A TEST PILOT AND WORKED AT

153
00:05:58,424 --> 00:06:00,760
N.A.S.A. FOR A RESEARCH PILOT AS

154
00:06:00,827 --> 00:06:03,896
A FEW YEARS BEFORE SELECTED FOR

155
00:06:03,963 --> 00:06:05,198
THIS COLLAR.

156
00:06:05,264 --> 00:06:06,466
>> I'M WOODY FROM PENNSYLVANIA.

157
00:06:06,532 --> 00:06:16,576
I WENT TO MI T AND SPENT TIME

158
00:06:16,642 --> 00:06:18,878
BEING BEFORE GETTING SELECTED.

159
00:06:18,945 --> 00:06:20,580
>> I'M JOHN.

160
00:06:20,646 --> 00:06:23,683
BORN AND RAISED IN L.A.

161
00:06:23,750 --> 00:06:26,486
I WAS AN OPERATOR AND WENT TO

162
00:06:26,552 --> 00:06:28,321
UNIVERSITY AND BECAME A MEDICAL

163
00:06:28,387 --> 00:06:29,222

DOCTOR BEFORE HERE.

164

00:06:29,288 --> 00:06:32,358

>>> WHEN YOU SAY SPECIAL WARFARE

165

00:06:32,425 --> 00:06:34,127

OPERATOR, MOST OF US WOULD KNOW

166

00:06:34,193 --> 00:06:39,232

THAT AS A NAVY SEAL; START?

167

00:06:39,298 --> 00:06:42,435

>> THAT'S CORRECT.

168

00:06:42,502 --> 00:06:43,936

>> I'M JOSHUA.

169

00:06:44,003 --> 00:06:47,173

I GREW UP ON A CATTLE FORM IN

170

00:06:47,240 --> 00:06:47,640

CANADA.

171

00:06:47,707 --> 00:06:49,442

I STUDIED MECHANICAL ENGINEERING

172

00:06:49,509 --> 00:06:51,144

AND PRIOR TO COMING HERE I WAS

173

00:06:51,210 --> 00:06:56,382

AN AIR FORCE TEST PILOT.

174

00:06:56,449 --> 00:06:57,683

>> I'M JASMINE.

175

00:06:57,750 --> 00:07:01,754

I GREW UP IN BALDWIN NEW YORK

176
00:07:01,821 --> 00:07:02,922
ON LONG ISLAND.

177
00:07:02,989 --> 00:07:04,557
PRIOR TO COMING HERE I WAS A

178
00:07:04,624 --> 00:07:07,860
COVER PILOT AND TEST PILOT FOR

179
00:07:07,927 --> 00:07:10,496
THE U.S. MARINE CORPS.

180
00:07:10,563 --> 00:07:12,064
>> I'M LAUREL.

181
00:07:12,131 --> 00:07:14,867
I GREW UP IN EFFECTS AS AND WENT

182
00:07:14,934 --> 00:07:18,638
TO THE UNIVERSITY THE CAN DAYS.

183
00:07:18,704 --> 00:07:20,740
BEFORE THIS I WAS AN ENGINEER

184
00:07:20,807 --> 00:07:22,642
WHERE I WORKED ON RESEARCH

185
00:07:22,708 --> 00:07:25,812
SUBMARINES AND ROBOTS.

186
00:07:25,878 --> 00:07:28,714
>> FRONK FROM FLORIDA.

187
00:07:28,781 --> 00:07:31,617
I GRADUATED IN 1998 IN ARMY.

188
00:07:31,684 --> 00:07:34,554

PRIOR TO THIS I WAS A PILOT AND

189

00:07:34,620 --> 00:07:37,190

A PHYSICIAN WORKING WITH SPECIAL

190

00:07:37,256 --> 00:07:40,626

FORCES GROUP BEFORE SELECTED.

191

00:07:40,693 --> 00:07:41,928

>> I'M JENNY.

192

00:07:41,994 --> 00:07:45,965

I'M A CANADIAN ASTRONAUT.

193

00:07:46,032 --> 00:07:49,368

I STUDIED AT UNIVERSITY.

194

00:07:49,435 --> 00:07:51,137

I WAS WORKING AS AN ENGINEERING

195

00:07:51,204 --> 00:07:52,872

PRF PROFESSOR AT THE UNIVERSITY

196

00:07:52,939 --> 00:07:56,676

AT CAMBRIDGE AND I STUDIED FIRE.

197

00:07:56,742 --> 00:07:58,477

>> I'M JESSICA.

198

00:07:58,544 --> 00:08:02,815

I'M FROM COLORA DOSHGS ON.

199

00:08:02,882 --> 00:08:06,352

I STUDED AT STAB FORWARD AND

200

00:08:06,419 --> 00:08:09,121

DID MARS GEOLOGY WORKING ON THE

201
00:08:09,188 --> 00:08:11,190
MARS ROVER.

202
00:08:11,257 --> 00:08:13,559
>>> IT HAS TO BE REALLY HARD,

203
00:08:13,626 --> 00:08:15,094
ESPECIALLY FROM PLANET EARTH.

204
00:08:15,161 --> 00:08:16,495
>> YES.

205
00:08:16,562 --> 00:08:18,364
THAT'S WHY I STOOD UP FOR THIS

206
00:08:18,431 --> 00:08:18,631
JOB.

207
00:08:18,698 --> 00:08:19,899
>>> WE'RE GOING TO TRY TO MAKE

208
00:08:19,966 --> 00:08:22,201
THAT EASIER FOR YOU.

209
00:08:22,268 --> 00:08:24,103
>> THAT SOUNDS GOOD.

210
00:08:24,170 --> 00:08:26,105
>>> JUST SO EVERYONE KNOWS THE

211
00:08:26,172 --> 00:08:28,441
RULES OF THE ROAD HERE, THIS IS

212
00:08:28,507 --> 00:08:30,877
LIVE ON THE N.A.S.A. CHANNEL.

213
00:08:30,943 --> 00:08:32,311

IT'S ALSO ON SOCIAL MEDIA.

214

00:08:32,378 --> 00:08:33,813

THERE ARE PEOPLE OUT THERE WHO

215

00:08:33,880 --> 00:08:35,414

MIGHT WANT TO IS A QUESTION OF

216

00:08:35,481 --> 00:08:38,251

ONE OF THESE -- ASK A QUESTION

217

00:08:38,317 --> 00:08:40,853

OF ONE OF THESE FABULOUS

218

00:08:40,920 --> 00:08:46,292

N.A.S.A. CANDIDATES.

219

00:08:46,359 --> 00:08:50,263

YOU CAN USE HASHTAG ASK N.A.S.A.

220

00:08:50,329 --> 00:08:55,167

WE WILL GET YOU IN THE QUEUE.

221

00:08:55,234 --> 00:08:56,769

IF YOU'RE IN THE AUDIENCE HERE

222

00:08:56,836 --> 00:08:59,839

AND YOU HAVE A QUESTION,

223

00:08:59,906 --> 00:09:01,140

CERTAINLY THINK ABOUT WHAT THAT

224

00:09:01,207 --> 00:09:02,508

QUESTION MAY BE.

225

00:09:02,575 --> 00:09:09,081

WE HAVE FOLKS WITH MICROPHONES.

226

00:09:09,148 --> 00:09:09,849

LET'S BEGIN.

227

00:09:09,916 --> 00:09:11,717

I WILL START WITH THE FIRST

228

00:09:11,784 --> 00:09:12,852

QUESTION AND I'LL JUST START

229

00:09:12,919 --> 00:09:15,488

WITH YOU KAYLA, SINCE YOU'RE

230

00:09:15,554 --> 00:09:17,256

FRONT AND LEFT HERE, CLOSEST TO

231

00:09:17,323 --> 00:09:17,523

ME.

232

00:09:17,590 --> 00:09:19,492

YOU'RE IN THE DIRECT LINE OF

233

00:09:19,558 --> 00:09:20,259

FIRE.

234

00:09:20,326 --> 00:09:22,328

WHAT IS SOMETHING THAT HAS

235

00:09:22,395 --> 00:09:25,598

SURPRISED YOU ABOUT N.A.S.A.

236

00:09:25,665 --> 00:09:31,370

AND/OR AS TROE NOUGHT TRAINING?

237

00:09:31,437 --> 00:09:33,973

IMPRISONMENT I THINK WHAT HAS

238

00:09:34,040 --> 00:09:37,510

BEEN THE MOST IS HOW MUCH I'VE

239

00:09:37,576 --> 00:09:39,879

BEEN ENJOYING THE JET.

240

00:09:39,946 --> 00:09:41,280

I'VE HAD A REALLY GOOD TIME

241

00:09:41,347 --> 00:09:42,982

DOING IT AND I LEARNT A LOT FROM

242

00:09:43,049 --> 00:09:44,717

TRAINING IN THAT ENVIRONMENT.

243

00:09:44,784 --> 00:09:48,421

>>> IN THE T38, DOES EVERY

244

00:09:48,487 --> 00:09:50,089

ASTRONAUT BECOME A PILOT?

245

00:09:50,156 --> 00:09:51,657

>> NO.

246

00:09:51,724 --> 00:09:55,761

THE ASTRONAUT TO HAVE A

247

00:09:55,828 --> 00:09:57,163

BACKGROUND IN AVIATION, THEY DO

248

00:09:57,229 --> 00:09:59,799

IT CERTIFIED TO BE A PYTHAGORAS

249

00:09:59,865 --> 00:10:01,434

LOT IN A FRONT SEAT.

250

00:10:01,500 --> 00:10:02,902

THE REST LEARNING HOW TO FLY IN

251

00:10:02,969 --> 00:10:04,403

THE BACK SEAT.

252

00:10:04,470 --> 00:10:07,306

WE AUSE IT AS AN ANALOGUE FOR

253

00:10:07,373 --> 00:10:09,041

TRAINING AND ENVIRONMENT THAT IS

254

00:10:09,108 --> 00:10:10,443

RISKY, OPERATING REAL EQUIPMENT

255

00:10:10,509 --> 00:10:13,412

AND YOU HAVE TO LEARN HOW TO

256

00:10:13,479 --> 00:10:15,681

COMMUNICATE AND COOPERATE WITH

257

00:10:15,748 --> 00:10:17,416

THE TEAM MATE.

258

00:10:17,483 --> 00:10:19,485

>>> DID YOU FLY AT ALL

259

00:10:19,552 --> 00:10:22,755

COMMERCIALY OR CIVILLY WHEN YOU

260

00:10:22,822 --> 00:10:25,858

WERE A SUBMARINE WARFARE

261

00:10:25,925 --> 00:10:26,225

OFFICER?

262

00:10:26,292 --> 00:10:26,559

>> NO.

263

00:10:26,625 --> 00:10:27,727

I WAS JUST FOCUSED ON LEARNING

264

00:10:27,793 --> 00:10:29,562

HOW TO OPERATE A NUCLEAR REACTOR

265

00:10:29,628 --> 00:10:30,997

AND DRIVE A BOAT, OPERATING

266

00:10:31,063 --> 00:10:32,264

UNDER THE SEA.

267

00:10:32,331 --> 00:10:34,300

THAT WASN'T REALLY MY AREA OF

268

00:10:34,367 --> 00:10:35,801

EXPERTISE, BUT I'VE HAD A LOT OF

269

00:10:35,868 --> 00:10:37,069

FUN SCRATCHING THE SURFACE OF

270

00:10:37,136 --> 00:10:38,037

THAT SO FAR.

271

00:10:38,104 --> 00:10:43,743

>>> THAT'S FANTASTIC.

272

00:10:43,809 --> 00:10:46,545

OPERATING A NUCLEAR REACTOR IS

273

00:10:46,612 --> 00:10:46,846

TOUGH.

274

00:10:46,912 --> 00:10:48,514

I'M SURE IT WILL SERB YOU WELL

275

00:10:48,581 --> 00:10:51,417

LIVING AND WORKING IN SPACE.

276

00:10:51,484 --> 00:10:53,619

>> ASTRONAUT I HOPE SO.

277

00:10:53,686 --> 00:10:54,987

>>> XENA?

278

00:10:55,054 --> 00:10:56,856

>> THERE ARE A LOT OF SURPRISING

279

00:10:56,922 --> 00:10:58,824

THINGS IN A GOOD ONE.

280

00:10:58,891 --> 00:11:00,426

ONE OF THE MOST SURPRISING IS

281

00:11:00,493 --> 00:11:01,861

HOW DIFFERENT EVERY DAY OF OUR

282

00:11:01,927 --> 00:11:02,495

TRAINING IS.

283

00:11:02,561 --> 00:11:05,798

YOU MIGHT BE IN A CLASS LEARNING

284

00:11:05,865 --> 00:11:06,999

ONE HOUR AND THE NEXT HOUR

285

00:11:07,066 --> 00:11:09,668

YOU'RE WALKING TO THE AREA PORT

286

00:11:09,735 --> 00:11:11,570

TO GET INTO A JET.

287

00:11:11,637 --> 00:11:13,072

IT IS COOL GETTING TO DO THAT

288

00:11:13,139 --> 00:11:14,507

ALONGSIDE CLASSMATES WHO COME

289

00:11:14,573 --> 00:11:18,310

FROM SUCH DIVERSION BACKGROUNDS.

290

00:11:18,377 --> 00:11:19,478

>>> ROGER.

291

00:11:19,545 --> 00:11:20,946

>> WHAT SURPRISES HE IS THE

292

00:11:21,013 --> 00:11:22,148

AMOUNT OF PEOPLE AND DEDICATION

293

00:11:22,214 --> 00:11:23,816

THAT SUPPORT ALL THE TRAINING,

294

00:11:23,883 --> 00:11:27,119

THINGS WE DO.

295

00:11:27,186 --> 00:11:29,855

WE HAD OUR FIRST RUN AT THE NBL

296

00:11:29,922 --> 00:11:31,724

AND THE NUMBER OF DIVERSS THAT

297

00:11:31,791 --> 00:11:33,225

INVOLVED, ALL THE PEOPLE SHOWING

298

00:11:33,292 --> 00:11:35,795

UP TO SUPPORT THAT, WHETHER IT'S

299

00:11:35,861 --> 00:11:36,929

SIMULATORS AND HAVING A WHOLE

300

00:11:36,996 --> 00:11:38,431

TEAM OF PEOPLE WATCHING FOR A

301
00:11:38,497 --> 00:11:41,600
FULL DAY, JUST TO SUPPORT OUR

302
00:11:41,667 --> 00:11:43,135
INDIVIDUAL TRAINING IS AMAZING

303
00:11:43,202 --> 00:11:44,036
TO ME.

304
00:11:44,103 --> 00:11:45,771
IT REALLY SPEAKS VOLUMES TO THE

305
00:11:45,838 --> 00:11:48,040
FACT THAT EVERY ONE IN THE

306
00:11:48,107 --> 00:11:51,243
AGENCY IS DEDICATED TO US

307
00:11:51,310 --> 00:11:53,279
CONCEDING AND ALSO THE MISSION

308
00:11:53,345 --> 00:11:53,679
SUCCEEDING.

309
00:11:53,746 --> 00:11:55,114
I GET PAID TO DO THIS AND THERE

310
00:11:55,181 --> 00:11:57,016
ARE USUALLY TEN OR 20 OTHER

311
00:11:57,083 --> 00:11:58,818
PEOPLE THERE TO HELP ME IMPROVE

312
00:11:58,884 --> 00:12:00,920
AND GET THE MISSION DONE.

313
00:12:00,986 --> 00:12:03,089

THAT'S OPINION REALLY COOL TO --

314

00:12:03,155 --> 00:12:04,657

BEEN REALLY COOL TO SEE.

315

00:12:04,723 --> 00:12:06,125

>>> THERE'S SO MANY DIVERSION

316

00:12:06,192 --> 00:12:07,226

BACKGROUNDS ON THE STAGE.

317

00:12:07,293 --> 00:12:08,327

THINKING ABOUT THE HISTORY OF

318

00:12:08,394 --> 00:12:09,929

FLYING, A LOT OF PEOPLE GO BACK

319

00:12:09,995 --> 00:12:14,467

TO APOLLO, GEMINI OR MERCURY ARE,

320

00:12:14,533 --> 00:12:14,700

Y.

321

00:12:14,767 --> 00:12:18,604

IN THOSE MISSIONS IT WAS LARGELY

322

00:12:18,671 --> 00:12:20,339

AIF YAUTORS.

323

00:12:20,406 --> 00:12:21,574

WHICH YOU ARE ONE.

324

00:12:21,640 --> 00:12:24,176

NOW IT IS IT DIVERSION AND

325

00:12:24,243 --> 00:12:27,346

BRINGING IT ALL TOGETHER WHERE

326
00:12:27,413 --> 00:12:30,983
YOU CAN WORK TOGETHER AND MIZ

327
00:12:31,050 --> 00:12:33,486
THE OPPORTUNITIES -- MAXIMISE

328
00:12:33,552 --> 00:12:34,520
OPPORTUNITIES IN SPACE.

329
00:12:34,587 --> 00:12:36,889
DOING IT IN THE TRAINING

330
00:12:36,956 --> 00:12:37,723
ENVIRONMENT IS IMPRESSIVE.

331
00:12:37,790 --> 00:12:39,792
THANK YOU FOR THE AMAZING

332
00:12:39,859 --> 00:12:40,159
COMMENTS.

333
00:12:40,226 --> 00:12:42,461
WE HAVE OUR FIRST QUESTION FROM

334
00:12:42,528 --> 00:12:43,162
SOCIAL MEDIA.

335
00:12:43,229 --> 00:12:45,898
WE WILL GO TO THE SOCIAL MEDIA

336
00:12:45,965 --> 00:12:46,265
QUESTION.

337
00:12:46,332 --> 00:12:48,801
IT IS: WHAT ASTRONAUT DO YOU

338
00:12:48,868 --> 00:12:52,037

LOOK UP TO THE MOST AND TAKE

339

00:12:52,104 --> 00:12:52,705

INSPIRATION FROM?

340

00:12:52,771 --> 00:12:54,607

I'M GOING TO OPEN THIS UP TO THE

341

00:12:54,673 --> 00:12:58,978

FIRST PERSON WHO IS WILLING TO

342

00:12:59,044 --> 00:13:02,448

RAISE THEIR HAND.

343

00:13:02,515 --> 00:13:03,916

IF YOU HAD TO PICK AN ASTRONAUT

344

00:13:03,983 --> 00:13:05,618

THAT YOU LOOK UP TO, WHO WOULD

345

00:13:05,684 --> 00:13:07,887

THAT BE?

346

00:13:07,953 --> 00:13:11,390

>> OBVIOUSLY A VERY DIFFICULT

347

00:13:11,457 --> 00:13:11,757

QUESTION.

348

00:13:11,824 --> 00:13:17,997

TO PARAPHRASE, QUOTING FROM

349

00:13:18,063 --> 00:13:20,766

SOMEBODY SMART, STANDING ON THE

350

00:13:20,833 --> 00:13:23,602

SHOULDERS OF - I THINK IT WAS

351
00:13:23,669 --> 00:13:26,372
NEWTON -- STANDING ON THE

352
00:13:26,438 --> 00:13:27,640
SHOULDERS OF GIANTS.

353
00:13:27,706 --> 00:13:32,444
WHEN I WAS ON BOARD THE U.S. S

354
00:13:32,511 --> 00:13:35,414
EISENHOFER NEIL CAME OUT TO

355
00:13:35,481 --> 00:13:35,714
VISIT.

356
00:13:35,781 --> 00:13:39,185
HE WAS HUMBLE AND YOU COULD

357
00:13:39,251 --> 00:13:40,753
TERROR HE WAS MISSION ORIENTED

358
00:13:40,819 --> 00:13:43,889
AND JUST DID HIS JOB QUIETLY AND

359
00:13:43,956 --> 00:13:44,323
RESPECTFULLY.

360
00:13:44,390 --> 00:13:46,592
HE IS A GOOD PINNACLE FOR THIS

361
00:13:46,659 --> 00:13:48,794
JOB TO LOOK UP TO.

362
00:13:48,861 --> 00:13:50,563
>>> THERE IS A NEW MOVIE COMING

363
00:13:50,629 --> 00:13:53,566

OUT ABOUT HIS LIFE WHICH I HAVE

364

00:13:53,632 --> 00:13:55,134

SEEN MANY IT IS EXTREMELY

365

00:13:55,201 --> 00:13:55,467

MOVING.

366

00:13:55,534 --> 00:13:57,603

FOR THOSE WHO ARE INTERESTED IN

367

00:13:57,670 --> 00:13:58,904

SPACE AND INTERESTED IN HISTORY,

368

00:13:58,971 --> 00:14:01,307

THIS IS A MOVIE ABOUT A PERSON,

369

00:14:01,373 --> 00:14:02,341

ABOUT A PERSON'S LIFE.

370

00:14:02,408 --> 00:14:03,909

I'VE GOT TO TELL YOU WHEN THE

371

00:14:03,976 --> 00:14:06,078

MOVIE WAS OVER, I COULDN'T MOVE.

372

00:14:06,145 --> 00:14:09,348

I JUST SAT THERE.

373

00:14:09,415 --> 00:14:17,056

I JUST KIND OF WAS THINKING

374

00:14:17,122 --> 00:14:18,157

ABOUT HIS LIFE.

375

00:14:18,224 --> 00:14:19,325

THE FACT THAT YOU HAD THE

376

00:14:19,391 --> 00:14:19,959

OPPORTUNITY TO MEET HIM.

377

00:14:20,025 --> 00:14:22,895

DID YOU MEET HIM WHEN HE WAS

378

00:14:22,962 --> 00:14:23,195

THERE?

379

00:14:23,262 --> 00:14:23,529

>> YES.

380

00:14:23,596 --> 00:14:25,965

HE CAME OUT WITH A COUPLE OTHER

381

00:14:26,031 --> 00:14:28,867

FOLKS WHILE WE WERE UP THE COAST

382

00:14:28,934 --> 00:14:31,937

DOING OPERATIONS IN AFGHANISTAN.

383

00:14:32,004 --> 00:14:33,806

>>> THAT SHOWS YOU HIS

384

00:14:33,872 --> 00:14:35,474

DEDICATION LONG AFTER HIS

385

00:14:35,541 --> 00:14:37,309

SERVICE WAS OVER, MILITARY AND

386

00:14:37,376 --> 00:14:39,044

N.A.S.A., HE WAS STILL FOCUSED

387

00:14:39,111 --> 00:14:41,547

ON BEING INVOLVED IN THE LIVES

388

00:14:41,614 --> 00:14:42,848

OF THE PEOPLE THAT WERE DOING

389

00:14:42,915 --> 00:14:44,250
WHAT HE USED TO DO.

390

00:14:44,316 --> 00:14:45,251
SO THAT IS GREAT.

391

00:14:45,317 --> 00:14:46,352
LOOK AT YOU NOW.

392

00:14:46,418 --> 00:14:48,320
DID YOU KNOW THAT THIS IS WHAT

393

00:14:48,387 --> 00:14:49,455
YOU WANTED TO DO?

394

00:14:49,521 --> 00:14:51,991
>> YES, ABSOLUTELY.

395

00:14:52,057 --> 00:14:54,159
>>> IT STILL INSPIRED YOU?

396

00:14:54,226 --> 00:14:57,296
>> HE WAS AN INSPIRATION. HE WAS

397

00:14:57,363 --> 00:15:00,299
SOMETHING IN THE DISTANCE OF

398

00:15:00,366 --> 00:15:05,804
MAYBE I COULD BE HERE.

399

00:15:05,871 --> 00:15:06,839
>>> ANYBODY ELSE?

400

00:15:06,905 --> 00:15:13,112
>> I ECHO THAT. I HAD AN

401
00:15:13,178 --> 00:15:14,146
OPPORTUNITY TO MEET HIM SEVERAL

402
00:15:14,213 --> 00:15:15,314
YEARS AGO.

403
00:15:15,381 --> 00:15:16,615
SAME THING.

404
00:15:16,682 --> 00:15:26,292
HIS HUE HUMILITY AND HIS

405
00:15:26,358 --> 00:15:27,259
ACKNOWLEDGMENT TO THE GIANT TEAM

406
00:15:27,326 --> 00:15:29,028
THAT IS N.A.S.A. THAT GOT HIM

407
00:15:29,094 --> 00:15:36,602
THERE IN THE INDUSTRY BEHIND IT.

408
00:15:36,669 --> 00:15:41,340
HIS HU MILITY WAS INSPIRING.

409
00:15:41,407 --> 00:15:43,575
ALSO JOHN YOUNG, WHO PASSED

410
00:15:43,642 --> 00:15:44,943
AWAY, BUT HIS PROFESSIONALISM

411
00:15:45,010 --> 00:15:46,979
AND HIS EXPERIENCE AND

412
00:15:47,046 --> 00:15:48,314
DEDICATION TO ADVANCING HUMAN

413
00:15:48,380 --> 00:15:51,183

SPACE FLIGHT WAS VERY

414

00:15:51,250 --> 00:15:52,217

INSPIRATIONAL AS WELL.

415

00:15:52,284 --> 00:15:53,819

>>> IT'S INTERESTING YOU MENTION

416

00:15:53,886 --> 00:15:54,486

JOHN YOUNG.

417

00:15:54,553 --> 00:15:56,255

IF I REMEMBER RIGHT, HE WAS

418

00:15:56,322 --> 00:15:59,458

INVOLVED IN APOLLO. HE FLEW

419

00:15:59,525 --> 00:16:01,593

THE SPACE SHUTTLE AS WELL.

420

00:16:01,660 --> 00:16:03,595

>> YES.

421

00:16:03,662 --> 00:16:05,431

A VERY BROAD EXPERIENCE.

422

00:16:05,497 --> 00:16:07,633

SO HE GOT TO WALK ON THE MOON

423

00:16:07,700 --> 00:16:09,768

AND FLEW THE FIRST SPACE SHUTTLE

424

00:16:09,835 --> 00:16:10,235

FLIGHT.

425

00:16:10,302 --> 00:16:13,472

THAT WAS MY INSPIRATIONAL MOMENT

426
00:16:13,539 --> 00:16:15,808
WHEN I WAS A YOUNG KID GETTING

427
00:16:15,874 --> 00:16:18,243
TO WATCH.

428
00:16:18,310 --> 00:16:19,945
AND FOLLOWING THAT MISSION IS

429
00:16:20,012 --> 00:16:22,381
WHAT SET MY SITES ON THIS

430
00:16:22,448 --> 00:16:22,781
INITIALLY.

431
00:16:22,848 --> 00:16:24,583
>>> THANK YOU FOR THAT.

432
00:16:24,650 --> 00:16:25,617
I WAS INFORMED THAT WE MIGHT

433
00:16:25,684 --> 00:16:28,987
HAVE A QUESTION FROM THE

434
00:16:29,054 --> 00:16:29,355
AUDIENCE.

435
00:16:29,421 --> 00:16:30,456
DOES SOMEBODY WANT TO RAISE

436
00:16:30,522 --> 00:16:31,590
THEIR HAND?

437
00:16:31,657 --> 00:16:39,064
WE'VE GOT MICROPHONES AVAILABLE.

438
00:16:39,131 --> 00:16:42,368

YOU HAVE TO STAND UP AND TALK

439

00:16:42,434 --> 00:16:44,269

INTO THE MICROPHONE..

440

00:16:44,336 --> 00:16:47,740

>> WHAT IS THE HARDEST PART OF

441

00:16:47,806 --> 00:16:48,907

YOUR TRAINING?

442

00:16:48,974 --> 00:16:50,442

WHAT WAS THE HARDEST PART OF

443

00:16:50,509 --> 00:16:51,577

YOUR TRAINING?

444

00:16:51,643 --> 00:16:53,011

>>> THEY PROBABLY HAVE THE

445

00:16:53,078 --> 00:16:54,546

HARDEST PART COMING UP, BUT THAT

446

00:16:54,613 --> 00:16:57,182

IS A GOOD QUESTION BECAUSE

447

00:16:57,249 --> 00:16:59,485

THEY'VE BEEN THROUGH STUFF

448

00:16:59,551 --> 00:16:59,818

ALREADY.

449

00:16:59,885 --> 00:17:02,721

>> I THINK I WOULD PROBABLY SAY

450

00:17:02,788 --> 00:17:05,090

LEARNING THE RUSSIAN LANGUAGE

451
00:17:05,157 --> 00:17:05,391
FIRST.

452
00:17:05,457 --> 00:17:11,263
SOME OF US MAY FLY TO THE

453
00:17:11,330 --> 00:17:12,531
INTERNATIONAL SPACE STATION

454
00:17:12,598 --> 00:17:13,866
WHERE WE WORK CLOSE WITH

455
00:17:13,932 --> 00:17:16,034
PARTNERS THERE.

456
00:17:16,101 --> 00:17:19,405
AS A 33-YEAR-OLD LEARNING

457
00:17:19,471 --> 00:17:24,042
ANOTHER LANGUAGE IS DIFFICULT.

458
00:17:24,109 --> 00:17:28,213
IT REMINDS ME OF I HAVE A

459
00:17:28,280 --> 00:17:32,017
FAVORITE QUOTE WHICH IS IT'S NOT

460
00:17:32,084 --> 00:17:34,319
THAT HARD, BURR IT'S A LOT OF

461
00:17:34,386 --> 00:17:34,753
IT.

462
00:17:34,820 --> 00:17:35,587
I THINK THAT GOES FOR OUR

463
00:17:35,654 --> 00:17:36,422

TRAINING AS WELL.

464

00:17:36,488 --> 00:17:38,323

WE DO A DIVERSION RANGE OF

465

00:17:38,390 --> 00:17:41,627

THINGS, FLYING, BEING IN THE

466

00:17:41,693 --> 00:17:47,065

NEUTRAL BOUYANCY LAB, LEARNING

467

00:17:47,132 --> 00:17:50,235

VARIOUS THINGS, A RANGE OF

468

00:17:50,302 --> 00:17:51,303

EVERYTHING WE DO.

469

00:17:51,370 --> 00:17:54,373

>>> OTHERS?

470

00:17:54,440 --> 00:17:56,642

MOST DIFFICULT THINGS?

471

00:17:56,708 --> 00:17:58,343

SOMEBODY HAS GOT TO HAVE

472

00:17:58,410 --> 00:18:02,448

SOMETHING DIFFICULT THAT THEY'VE

473

00:18:02,514 --> 00:18:02,748

DONE.

474

00:18:02,815 --> 00:18:08,787

>> I'D HAVE TO ECHO WHAT WOODY

475

00:18:08,854 --> 00:18:11,490

SAID, AND THE WIDESPREAD

476
00:18:11,557 --> 00:18:11,857
KNOWLEDGE.

477
00:18:11,924 --> 00:18:15,761
EVERYTHING FROM RUSSIAN TO THE

478
00:18:15,828 --> 00:18:17,529
INTERNATIONAL SPACE STATION.

479
00:18:17,596 --> 00:18:20,866
THERE'S SOMETHING NEW EVERY DAY.

480
00:18:20,933 --> 00:18:24,203
RECENTLY SOME OF US HAS GOTTEN

481
00:18:24,269 --> 00:18:25,337
TO TRAINING THE INITIAL POINTS

482
00:18:25,404 --> 00:18:26,905
LAB IN THE SPACE SUIT.

483
00:18:26,972 --> 00:18:28,740
I HAD MY FIRST RUN LAST WEEK AND

484
00:18:28,807 --> 00:18:30,375
I FOUND THAT TO BE ONE OF THE

485
00:18:30,442 --> 00:18:32,644
MORE PHYSICALLY CHALLENGING

486
00:18:32,711 --> 00:18:37,683
THINGS IN THAT YOU HAVE TO BE -

487
00:18:37,749 --> 00:18:39,685
WE TAKE THINGS FOR GRANTED SUCH

488
00:18:39,751 --> 00:18:41,820

AS LIFTING YOUR ARM UP ABOVE

489

00:18:41,887 --> 00:18:43,655

YOUR HEAD WHICH IS FOREIGN IN

490

00:18:43,722 --> 00:18:44,289

THAT SPACE SUIT.

491

00:18:44,356 --> 00:18:45,958

I FOUND THAT TO BE CHALLENGING

492

00:18:46,024 --> 00:18:48,494

AND HUMBLING AND WAS A LOT OF

493

00:18:48,560 --> 00:18:48,760

FUN.

494

00:18:48,827 --> 00:18:51,897

>>> EVEN FOR A NAVY SEAL.

495

00:18:51,964 --> 00:18:54,500

>> YES.

496

00:18:54,566 --> 00:18:56,735

>>> AWESOME.

497

00:18:56,802 --> 00:19:03,275

I'VE GOT A QUESTION I WILL ASK.

498

00:19:03,342 --> 00:19:05,010

I WILL TAKE THIS POINT OF

499

00:19:05,077 --> 00:19:06,545

PRIVILEGE TO IS A QUESTION.

500

00:19:06,612 --> 00:19:08,280

BOB, IT IS DIRECTED TO YOU.

501
00:19:08,347 --> 00:19:09,648
THIS IS AN IMPORTANT THING.

502
00:19:09,715 --> 00:19:11,817
A FEW MINUTES AGO WE WERE

503
00:19:11,884 --> 00:19:13,952
MEETING IN ANOTHER ROOM GETTING

504
00:19:14,019 --> 00:19:14,887
TO KNOW EACH OTHER A LITTLE

505
00:19:14,953 --> 00:19:18,757
BETTER AND YOU PRESENTED ME THIS

506
00:19:26,798 --> 00:19:26,465
PATCH

507
00:19:26,865 --> 00:19:29,101
THE FIRST REACTION WAS THAT'S

508
00:19:29,167 --> 00:19:29,501
INTERESTING.

509
00:19:29,568 --> 00:19:32,504
WE'RE TALKING ABOUT ASTRONAUT

510
00:19:32,571 --> 00:19:33,972
CANDIDATES, ABOUT OUR BRAND NEW

511
00:19:34,039 --> 00:19:36,208
CLASS OF ASTRONAUTS AND YOU GIVE

512
00:19:36,275 --> 00:19:40,379
ME A PATCH WITH A TURTLE ON IT.

513
00:19:40,445 --> 00:19:43,181

SHARE WITH ME AND THE AUDIENCE

514

00:19:43,248 --> 00:19:48,320

WHY THIS PATCH HAS A TURTLE ON

515

00:19:48,387 --> 00:19:48,587

IT?

516

00:19:48,654 --> 00:19:50,222

>> JUST OUR ANNOUNCE. LAST

517

00:19:50,289 --> 00:19:51,723

SUMMER THE VICE PRESIDENT CAME

518

00:19:51,790 --> 00:19:53,091

DOWN AND HE HELPED INTRODUCE OUR

519

00:19:53,158 --> 00:19:54,960

CLASS TO THE COUNTRY AND DURING

520

00:19:55,027 --> 00:19:56,228

HIS SPEECH HE TOLD THE STORY

521

00:19:56,295 --> 00:19:58,497

ABOUT A TURTLE ON A FENCE POST

522

00:19:58,564 --> 00:20:00,132

AND IF YOU WALK INTO A FIELD AND

523

00:20:00,198 --> 00:20:02,634

SEE A TURTLE ON A FENCE POST YOU

524

00:20:02,701 --> 00:20:04,436

KNOW IT DIDN'T GET THERE ITSELF.

525

00:20:04,503 --> 00:20:05,671

THAT TRANSLATES TO EVERYONE

526
00:20:05,737 --> 00:20:06,204
HERE.

527
00:20:06,271 --> 00:20:07,372
THERE IS A HUGE SUPPORT

528
00:20:07,439 --> 00:20:09,308
STRUCTURE BEHIND US, WHETHER IT

529
00:20:09,374 --> 00:20:11,176
BE OUR SPOUSES AND KIDS, OUR

530
00:20:11,243 --> 00:20:13,178
PARENTS OR MENTORS, ALL THAT

531
00:20:13,245 --> 00:20:14,780
STUFF, THEY ALL PLAYED A HUGE

532
00:20:14,846 --> 00:20:16,315
ROLE IN GETTING US TO THE POINT

533
00:20:16,381 --> 00:20:17,950
THAT WE'RE AT NOW.

534
00:20:18,016 --> 00:20:19,885
SO MUCH LIKE WE WERE ALIEU

535
00:20:19,952 --> 00:20:24,590
LEWDING TO NEIL ARMSTRONG

536
00:20:24,656 --> 00:20:25,724
ACKNOWLEDGING MASSES BEHIND

537
00:20:25,791 --> 00:20:29,928
THAT, WE HAVE THE SAME THING.

538
00:20:29,995 --> 00:20:31,897

MANY PEOPLE BEHIND US GETTING US

539

00:20:31,964 --> 00:20:32,197

HERE.

540

00:20:32,264 --> 00:20:36,068

THE CLASS IN FRONT OF US TOOK AN

541

00:20:36,134 --> 00:20:37,803

OPPORTUNITY TO NAME THE TURTLES

542

00:20:37,869 --> 00:20:41,073

AND WE'VE IMPRESSED IT AND IT IS

543

00:20:41,139 --> 00:20:43,475

-- EMBRACED IT.

544

00:20:43,542 --> 00:20:45,677

>>> IT IS IMPORTANT.

545

00:20:45,744 --> 00:20:48,313

WE HAVE HERE TODAY NOT JUST THE

546

00:20:48,380 --> 00:20:50,048

ASTRONAUTS BUT THE NEWEST CLASS

547

00:20:50,115 --> 00:20:53,185

OF FLIGHT DIRECTORS AND WE'RE

548

00:20:53,251 --> 00:20:54,186

GOING TO DO ANOTHER SHOW.

549

00:20:54,252 --> 00:20:56,088

THEY MIGHT NOT BE READY FOR ME

550

00:20:56,154 --> 00:20:57,823

TO ANNOUNCE THIS, BUT WE WILL DO

551
00:20:57,889 --> 00:20:59,257
ANOTHER JUST LIKE THIS ONE WITH

552
00:20:59,324 --> 00:21:00,892
THE FLIGHT DIRECT YOURS SITTING

553
00:21:00,959 --> 00:21:02,728
IN YOUR SEATS -- DIRECTORS

554
00:21:02,794 --> 00:21:03,895
SITTING IN YOUR SEATS.

555
00:21:03,962 --> 00:21:05,464
THEY ARE JUST AS CRITICAL TO ALL

556
00:21:05,530 --> 00:21:08,066
OF YOUR MISSIONS AS YOU ARE AS

557
00:21:08,133 --> 00:21:11,203
ARE SO MANY OTHERS HERE AT

558
00:21:11,269 --> 00:21:14,172
N.A.S.A. AND OUR CONTRACTORS AND

559
00:21:14,239 --> 00:21:15,807
OUR PROVIDERS OF THE SERVICES.

560
00:21:15,874 --> 00:21:19,845
WE WANT TO BE ABLE TO SHOWCASE

561
00:21:19,911 --> 00:21:22,347
THE INTERIR ENTERPRISE THAT AT

562
00:21:22,414 --> 00:21:26,618
THE END OF THE DAY -- ENTIRE

563
00:21:26,685 --> 00:21:28,153

SURPRISES, THAT YOU ARE TAKING

564

00:21:28,220 --> 00:21:30,789

ON THE RISK AND PEOPLE OUT THERE

565

00:21:30,856 --> 00:21:31,823

DOING EVERYTHING POSSIBLE TO

566

00:21:31,890 --> 00:21:33,458

MAKE SURE THAT YOU'RE SAFE AND

567

00:21:33,525 --> 00:21:35,460

PREPARED AND THAT WE'RE GETTING

568

00:21:35,527 --> 00:21:36,662

THE ABSOLUTE BEST DISCOVERY AND

569

00:21:36,728 --> 00:21:38,196

SCIENCE AND EXPLORATION FROM

570

00:21:38,263 --> 00:21:40,332

WHAT YOU'RE DOING AND THAT IS

571

00:21:40,399 --> 00:21:43,201

THE HISTORY AND TRADITION OF THE

572

00:21:43,268 --> 00:21:43,535

COMPANY.

573

00:21:43,602 --> 00:21:46,872

I LOVE THE STORY, THE PATCH, THE

574

00:21:46,938 --> 00:21:49,941

TURTLES AND I APPRECIATE YOU

575

00:21:50,008 --> 00:21:50,942

SHARING THAT.

576

00:21:51,009 --> 00:22:00,185

[APPLAUSE].

577

00:22:00,252 --> 00:22:00,852

>>> ANOTHER QUESTION.

578

00:22:00,919 --> 00:22:02,421

HOW IS THE CURRENT RESEARCH IN

579

00:22:02,487 --> 00:22:04,322

SPACE HELPING YOU TO PREPARE

580

00:22:04,389 --> 00:22:08,760

HUMANS FOR A JOURNEY TO MARS AND

581

00:22:12,164 --> 00:22:11,830

BEYOND?

582

00:22:12,230 --> 00:22:13,565

>> I WILL TAKE THIS ONE.

583

00:22:13,632 --> 00:22:16,334

>>> FOR EVERYBODY, JESSICA IS

584

00:22:16,401 --> 00:22:20,672

THE MARS GEOLOGIST FROM PLANET

585

00:22:20,739 --> 00:22:20,972

EARTH.

586

00:22:21,039 --> 00:22:22,407

>> YES, CORRECT.

587

00:22:22,474 --> 00:22:24,309

I THINK THERE IS ACTUALLY A LOT

588

00:22:24,376 --> 00:22:25,577

OF DIFFERENT TYPES OF RESEARCH

589

00:22:25,644 --> 00:22:28,547

THAT ARE GOING TO BE NECESSARY

590

00:22:28,613 --> 00:22:29,815

TO HELP PREPARE A SPORT, A

591

00:22:29,881 --> 00:22:31,883

JOURNEY TO THE MOON OR TO MARS

592

00:22:31,950 --> 00:22:33,618

OR WHENEVER THAT DESIGNATION

593

00:22:33,685 --> 00:22:34,453

MIGHT BE.

594

00:22:34,519 --> 00:22:36,555

I THINK ONE BIG PIECE OF THAT IS

595

00:22:36,621 --> 00:22:41,026

SENDING ROBOTICS TO THESE

596

00:22:41,093 --> 00:22:43,328

PLACES, SO TO MOON AND MARS WE

597

00:22:43,395 --> 00:22:44,830

HAVE INSTRUMENTS THAT ARE IN

598

00:22:44,896 --> 00:22:47,232

ORBIT AND ALSO THE ROVER IS

599

00:22:47,299 --> 00:22:50,168

PROVIDING US WITH AN

600

00:22:50,235 --> 00:22:51,536

UNDERSTANDING OF THESE BODIES,

601
00:22:51,603 --> 00:22:53,672
FIRST FINDING A GOOD PLACE FOR

602
00:22:53,739 --> 00:22:55,340
US TO GO THAT HAS RESOURCES THAT

603
00:22:55,407 --> 00:23:00,612
WE MIGHT BE ABLE TO USE, AND

604
00:23:00,679 --> 00:23:03,081
ALSO IS SAFE FOR US.

605
00:23:03,148 --> 00:23:05,117
RELATED TO THAT STUDYING THE

606
00:23:05,183 --> 00:23:07,018
RADIATION INVOLVED IN THE

607
00:23:07,085 --> 00:23:08,987
JOURNEY TO PARTICULARLY TO MARS,

608
00:23:09,054 --> 00:23:11,056
HOW WE CAN MITIGATE THAT RISK

609
00:23:11,123 --> 00:23:12,157
FOR US AS HUMANS.

610
00:23:12,224 --> 00:23:13,992
THERE'S A LOT OF REALLY GREAT

611
00:23:14,059 --> 00:23:23,301
WORKING BEING DONE ON THAT AT

612
00:23:23,368 --> 00:23:23,602
NASA.

613
00:23:23,668 --> 00:23:24,569

I'M WORKING ON GETTING ROCKETS

614

00:23:24,636 --> 00:23:27,205

TO GET US TO THE MOON AND OUT TO

615

00:23:27,272 --> 00:23:31,476

MARS AND BACK IS A BIG PART OF

616

00:23:31,543 --> 00:23:33,145

THAT.

617

00:23:33,211 --> 00:23:35,413

I THINK THERE'S A LOT THAT KIND

618

00:23:35,480 --> 00:23:37,883

OF GOES INTO THIS BIG PICTURE OF

619

00:23:37,949 --> 00:23:38,583

HUMAN SPACE FLIGHT.

620

00:23:38,650 --> 00:23:40,218

WE HAVE TOUCHED ON THAT BUT WE

621

00:23:40,285 --> 00:23:44,356

REALLY ARE THE TIP OF A REALLY

622

00:23:44,422 --> 00:23:45,123

LARGE ICEBERG.

623

00:23:45,190 --> 00:23:47,092

THERE'S A LOT OF PEOPLE PUTTING

624

00:23:47,159 --> 00:23:49,327

TIME AND ENERGY INTO SOLVING

625

00:23:49,394 --> 00:23:52,364

THESE TOUGH PROBLEMS TO ALLOW US

626
00:23:52,430 --> 00:23:55,801
TO EXPLORE FURTHER.

627
00:23:57,269 --> 00:23:56,034
.

628
00:23:57,335 --> 00:23:59,471
A LOT OF THINGS THAT NASA DOES

629
00:23:59,538 --> 00:24:00,906
THAT PEOPLE DON'T SEE, BEHIND

630
00:24:00,972 --> 00:24:02,808
THE SCENES RIGHT NOW WE'RE

631
00:24:02,874 --> 00:24:04,943
DEVELOPING TECHNOLOGY, WE HAVE

632
00:24:05,010 --> 00:24:06,378
AMAZING SCIENTISTS AND ENGINEERS

633
00:24:06,444 --> 00:24:09,714
THAT ARE ADVANCING SOLAR

634
00:24:09,781 --> 00:24:11,216
ELECTRIC PROPULSION TO HELP US

635
00:24:11,283 --> 00:24:14,519
GET TO MARS, WHAT'S CALLED THE

636
00:24:14,586 --> 00:24:15,287
HIGHEST SPECIFIC IMPULSE

637
00:24:15,353 --> 00:24:15,654
POSSIBLE.

638
00:24:15,720 --> 00:24:17,255

WE WANT TO BE ABLE TO GET THERE

639

00:24:17,322 --> 00:24:19,090

WITH PROPULSION THAT DOESN'T -

640

00:24:19,157 --> 00:24:21,159

WE DON'T WANT TO LAUNCH MASSIVE

641

00:24:21,226 --> 00:24:22,861

AMOUNTS OF FULTS INTO SPACE TO

642

00:24:22,928 --> 00:24:23,995

GET TO MARS.

643

00:24:24,062 --> 00:24:27,566

SO SOLAR ELECTRIC PROPULSION CAN

644

00:24:27,632 --> 00:24:29,501

HELP US GET THERE FASTER AND

645

00:24:29,568 --> 00:24:30,402

EFFICIENTLY WITHOUT LAUNCHING SO

646

00:24:30,468 --> 00:24:32,504

MUCH MASS INTO SPACE.

647

00:24:32,571 --> 00:24:34,472

WE'RE TRIGG TO FIGURE OUT THE

648

00:24:34,539 --> 00:24:37,242

ANIESOLOGIST WITH THE DEEP SPACE

649

00:24:37,309 --> 00:24:39,911

RADIATION, MICRO GRAVITY

650

00:24:39,978 --> 00:24:40,345

ENVIRONMENT.

651
00:24:40,412 --> 00:24:47,886
ON THE I.S.S. WE HAVE HAD

652
00:24:47,953 --> 00:24:49,855
ASTRONAUTS FOR 18 YEARS THERE

653
00:24:49,921 --> 00:24:52,424
WITH AN INTERNATIONAL TREATY AND

654
00:24:52,490 --> 00:24:54,960
OUR ASTRONAUTS ARE DEMONSTRATING

655
00:24:55,026 --> 00:24:57,329
THAT HUMANS CAN, IN FACT, LIVE

656
00:24:57,395 --> 00:25:00,298
AND WORK IN SPACE.

657
00:25:00,365 --> 00:25:02,100
THERE ARE NO DOUBT CHALLENGES TO

658
00:25:02,167 --> 00:25:03,635
HUMAN PHYSIOLOGY AND WE'RE

659
00:25:03,702 --> 00:25:04,736
LEARNING WHAT THOSE ARE AND

660
00:25:04,803 --> 00:25:07,105
WE'RE PUTTING IN PLACE COUNTER

661
00:25:07,172 --> 00:25:08,640
MEASURES FOR THAT ACTIVITY.

662
00:25:08,707 --> 00:25:09,774
SO THERE'S A LOT HAPPENING.

663
00:25:09,841 --> 00:25:11,376

WHAT I THINK IS IMPORTANT TO

664

00:25:11,443 --> 00:25:14,145

NOTE ALSO IS THAT THE MOON IS

665

00:25:14,212 --> 00:25:16,281

ACTUALLY AN AMAZING PROVING

666

00:25:16,348 --> 00:25:16,615

GROUND.

667

00:25:16,681 --> 00:25:18,483

WE CAN GO TO THE MOON.

668

00:25:18,550 --> 00:25:20,252

IT'S A THREE-DAY JOURNEY HOME.

669

00:25:20,318 --> 00:25:22,520

WE KNOW IN THIS ROOM BECAUSE

670

00:25:22,587 --> 00:25:25,657

WE'RE FOLLOWERS OF THE HISTORY,

671

00:25:25,724 --> 00:25:27,359

APOLLO 13, WHICH SOME CALL A

672

00:25:27,425 --> 00:25:29,261

DISASTER AND OTHERS AN AMAZING

673

00:25:29,327 --> 00:25:30,862

SUCCESS, IT WAS POSSIBLE TO

674

00:25:30,929 --> 00:25:32,230

BRING OUR ASTRONAUTS HOME

675

00:25:32,297 --> 00:25:34,299

BECAUSE IT WAS A THREE-DAY

676
00:25:34,366 --> 00:25:34,833
JOURNEY HOME.

677
00:25:34,900 --> 00:25:35,634
HAD SOMETHING LIKE THAT HAPPENED

678
00:25:35,700 --> 00:25:37,769
ON THE WAY TO MARS, IT WOULDN'T

679
00:25:37,836 --> 00:25:39,504
HAVE WORKED OUT, BUT IN THIS

680
00:25:39,571 --> 00:25:41,706
PARTICULAR CASE THE MOON IS AN

681
00:25:41,773 --> 00:25:43,475
AMAZING PROVING GROUND TO

682
00:25:43,541 --> 00:25:45,377
DEMONSTRATE THE TECHNOLOGIES TO

683
00:25:45,443 --> 00:25:47,746
REDID YOU SAY THE -- REDUCE THE

684
00:25:47,812 --> 00:25:49,047
RISK, PROVE EVERYTHING WE NEED

685
00:25:49,114 --> 00:25:52,050
TO KNOW ABOUT LIFE AND SCIENCE

686
00:25:52,117 --> 00:25:54,286
AND PHYSIOLOGYS SO WE CAN MAKE

687
00:25:54,352 --> 00:25:55,754
THAT JOURNEY TO MARS.

688
00:25:55,820 --> 00:25:58,123

YOU MENTIONED ROBOTICS.

689

00:25:58,189 --> 00:25:59,858

AGAIN, WE HAVE LEARNED SO MUCH.

690

00:25:59,925 --> 00:26:01,359

THE UNITED STATES IS THE ONLY

691

00:26:01,426 --> 00:26:03,395

COUNTRY AND WE'VE DONE IT WITH

692

00:26:03,461 --> 00:26:04,696

INTERNATIONAL PARTNERS, BUT

693

00:26:04,763 --> 00:26:05,497

WE'RE STILL THE ONLY COUNTRY

694

00:26:05,563 --> 00:26:07,232

THAT HAS LANDED ON THE SURFACE

695

00:26:07,299 --> 00:26:10,602

OF MARS WITH LANDSERS AND

696

00:26:10,669 --> 00:26:11,469

ROVERS.

697

00:26:11,536 --> 00:26:14,339

WE'VE DONE IT SEVEN TIMES AND ON

698

00:26:14,406 --> 00:26:16,775

NOVEMBER 26 THE MONDAY AFTER

699

00:26:16,841 --> 00:26:18,043

THANKSGIVING WE'RE LANDING ON

700

00:26:18,109 --> 00:26:20,011

MARS FOR AN 8TH TIME WITH

701
00:26:20,078 --> 00:26:22,347
INSIGHT, WHICH IS A GEOLOGIST, I

702
00:26:22,414 --> 00:26:23,648
KNOW YOU'RE GOING TO BE REALLY

703
00:26:23,715 --> 00:26:24,683
INTERESTED IN WHAT COMES FROM

704
00:26:24,749 --> 00:26:25,016
THAT.

705
00:26:25,083 --> 00:26:26,952
WE'RE GOING TO BE ABLE TO GET A

706
00:26:27,018 --> 00:26:28,853
3D IMAGE OF WHAT THE INSIDE OF

707
00:26:28,920 --> 00:26:30,522
MARS IS LIKE.

708
00:26:30,588 --> 00:26:32,757
WE WILL STUDY MARS QUAKES, HOW

709
00:26:32,824 --> 00:26:35,927
ACTIVE IS THE GEOLOGY, HOW OFTEN

710
00:26:35,994 --> 00:26:39,831
IS IT IMPACTED WITH METEORS AND

711
00:26:39,898 --> 00:26:41,032
THESE THINGS THAT ARE GOING TO

712
00:26:41,099 --> 00:26:42,467
BE NECESSARY, NOT JUST TO

713
00:26:42,534 --> 00:26:43,969

UNDERSTAND THE PLANET BUT ALSO

714

00:26:44,035 --> 00:26:46,771

TO PREPARE FOR AN EVENTUAL HUMAN

715

00:26:46,838 --> 00:26:49,207

LANDING WHICH A MARS GEOLOGIST

716

00:26:49,274 --> 00:26:51,710

MIGHT BE THE RIGHT PERSON TO

717

00:26:51,776 --> 00:26:54,312

SEND ON A JOURNEY TO MARS.

718

00:26:54,379 --> 00:26:56,381

SO A LOT OF REALLY EXCITING

719

00:26:56,448 --> 00:26:57,682

THINGS HAPPENING AT NASA AND, OF

720

00:26:57,749 --> 00:27:00,251

COURSE, YOUR INSIGHT THERE IS

721

00:27:00,318 --> 00:27:00,618

VALUABLE.

722

00:27:00,685 --> 00:27:03,254

SO I'M GOING TO GO BACK TO THE

723

00:27:03,321 --> 00:27:03,621

AUDIENCE.

724

00:27:03,688 --> 00:27:06,024

THERE HAS TO BE ANOTHER PERSON

725

00:27:06,091 --> 00:27:07,258

THAT'S INTERESTED IN ASKING.

726

00:27:07,325 --> 00:27:09,227

WE'VE HAVE A COUPLE OF YOUNG

727

00:27:09,294 --> 00:27:10,795

FOLKS WHICH I'M THRILLED TO SEE.

728

00:27:10,862 --> 00:27:13,164

STAND UP, SAY WHAT YOUR NAME IS

729

00:27:13,231 --> 00:27:15,100

AND IS THE QUESTION.

730

00:27:15,166 --> 00:27:17,569

>> I'M ANNE.

731

00:27:17,635 --> 00:27:19,604

WHAT EXCITES YOU THE MOST ABOUT

732

00:27:19,671 --> 00:27:22,974

GOING TO SPACE?

733

00:27:23,041 --> 00:27:26,177

>>> WHAT EXCITES YOU THE MOST

734

00:27:26,244 --> 00:27:30,215

ABOUT GOING TO SPACE.

735

00:27:30,281 --> 00:27:30,548

LAUREL?

736

00:27:30,615 --> 00:27:31,883

>> I THINK THE ONE THING OR ONE

737

00:27:31,950 --> 00:27:32,851

OF THE THINGS THAT I'M MOST

738

00:27:32,917 --> 00:27:33,952

EXCITED ABOUT IS JUST GETTING TO

739

00:27:34,019 --> 00:27:36,488

SEE THE EARTH FROM THE UNIQUE

740

00:27:36,554 --> 00:27:38,656

PERSPECTIVE OF BEING IN SPACE

741

00:27:38,723 --> 00:27:40,792

WHERE YOU CAN SEE IT ALL BY

742

00:27:40,859 --> 00:27:43,461

OURSELVES OUT THERE IN THE

743

00:27:43,528 --> 00:27:44,562

VASTNESS OF SPACE, EVERYBODY ON

744

00:27:44,629 --> 00:27:46,431

THE PLANET.

745

00:27:46,498 --> 00:27:48,366

IT WOULD BE ABORIGINE

746

00:27:48,433 --> 00:27:50,301

OVERWHELMING FEELING AND GIVE

747

00:27:50,368 --> 00:27:55,874

YOU A UNIQUE PERSPECTIVE -- AN

748

00:27:55,940 --> 00:27:58,710

OVERWHELMING FEELING.

749

00:27:58,777 --> 00:28:00,712

>>> I LOOK BACK AND THIS YEAR

750

00:28:00,779 --> 00:28:02,380

WE'RE CELEBRATING THE

751
00:28:02,447 --> 00:28:04,949
ANNIVERSARY OF APOLLO 8 WHICH

752
00:28:05,016 --> 00:28:06,818
WAS THE FIRST TIME WE ORBITED

753
00:28:06,885 --> 00:28:09,387
THE MOON AND WE GOT PICTURES FOR

754
00:28:09,454 --> 00:28:12,957
THE FIRST TIME IN HISTORY OF THE

755
00:28:13,024 --> 00:28:14,626
EARTH IN ITS ENTIRETY FROM THE

756
00:28:14,692 --> 00:28:15,393
VICINITY OF THE MOON.

757
00:28:15,460 --> 00:28:18,663
OF COURSE, THAT PICTURE HAS NOW

758
00:28:18,730 --> 00:28:22,467
BEEN, OF COURSE, LIFE MAGAZINE

759
00:28:22,534 --> 00:28:23,201
AND PRETTY MUCH EVERY

760
00:28:23,268 --> 00:28:24,636
PUBLICATION ON THE PLANET

761
00:28:24,702 --> 00:28:25,637
COVERED THAT AND IT REALLY

762
00:28:25,703 --> 00:28:28,740
CHANGED THE PERSPECTIVE OF A LOT

763
00:28:28,807 --> 00:28:33,678

OF PEOPLE, WHO WE ARE AS EARTH.

764

00:28:33,745 --> 00:28:37,582

WE'RE THIS PALE PLU DARK IN THIS

765

00:28:37,649 --> 00:28:39,584

OCEAN OF DARKNESS AND HOW

766

00:28:39,651 --> 00:28:44,289

IMPORTANT THIS PLANET IS -- PALE

767

00:28:44,355 --> 00:28:46,691

BLUE DARK.

768

00:28:46,758 --> 00:28:50,728

SOMEBODY ELSE?

769

00:28:50,795 --> 00:28:55,633

>> MY NAME IS SIMEEHAW.

770

00:28:55,700 --> 00:28:59,971

WHAT MAKES YOU WANT TO BE AN

771

00:29:00,038 --> 00:29:00,438

ASTRONAUT?

772

00:29:00,505 --> 00:29:01,840

WHAT DROVE YOU OR STILL DRIVES

773

00:29:01,906 --> 00:29:06,377

YOU TO BECOME AN ASTRONAUT?

774

00:29:06,444 --> 00:29:07,612

>> THANK YOU FOR THAT QUESTION.

775

00:29:07,679 --> 00:29:09,247

I GET ASKED THIS A LOT.

776
00:29:09,314 --> 00:29:11,049
WHEN I THINK ABOUT IT, IF I

777
00:29:11,116 --> 00:29:12,851
THINK ABOUT TO WHEN I WAS YOUR

778
00:29:12,917 --> 00:29:14,085
AGE, FOR EXAMPLE, I TELL PEOPLE

779
00:29:14,152 --> 00:29:15,954
THAT THE ONE THING THAT I

780
00:29:16,020 --> 00:29:17,355
REMEMBER MORE THAN ANYTHING IS

781
00:29:17,422 --> 00:29:19,157
JUST BEING SUPER CURIOUS ABOUT

782
00:29:19,224 --> 00:29:20,959
EVERYTHING, WANTING TO EXPLORE

783
00:29:21,025 --> 00:29:22,427
AND LOOK AND GO FURTHER AND IF

784
00:29:22,494 --> 00:29:24,195
THERE WAS SOMETHING THAT I HAD

785
00:29:24,262 --> 00:29:25,930
NEVER DONE AND THAT I VIEWED AS

786
00:29:25,997 --> 00:29:27,098
BEING VERY DIFFICULT TO DO, I

787
00:29:27,165 --> 00:29:29,200
WANTED TO GO AND TRY TO DO IT TO

788
00:29:29,267 --> 00:29:30,735

SEE WHAT I WOULD LEARN FROM

789

00:29:30,802 --> 00:29:31,636

MYSELF ABOUT DOING IT.

790

00:29:31,703 --> 00:29:34,072

AS I GREW UP, I DEVELOPED OTHER

791

00:29:34,139 --> 00:29:34,472

INTERESTS.

792

00:29:34,539 --> 00:29:35,874

I STARTED TO BECOME REALLY

793

00:29:35,940 --> 00:29:36,841

INTERESTED IN FLYING AND SCIENCE

794

00:29:36,908 --> 00:29:38,843

AND THEN I GOT INTO TEST FLYING

795

00:29:38,910 --> 00:29:42,013

AND ALL THE REST OF IT, BUT

796

00:29:42,080 --> 00:29:43,681

REALLY THE VERY FIRST THING WAS

797

00:29:43,748 --> 00:29:48,353

THIS OVERWHELMING CURIOSITY.

798

00:29:48,419 --> 00:29:49,787

ON A BEGGAR SCALE IT IS

799

00:29:49,854 --> 00:29:52,090

IMPORTANT TO US, TO US AS HUMANS

800

00:29:52,157 --> 00:29:54,559

IN THE WORLD THAT WE ENGAGE IN

801
00:29:54,626 --> 00:29:58,029
THAT, THAT WE'RE CONSTANTLY

802
00:29:58,096 --> 00:29:58,930
REDEFINING WHAT THE IMPOSSIBLE

803
00:29:58,997 --> 00:30:01,699
IS, PUSHING LIMITS AND LOOKING

804
00:30:01,766 --> 00:30:02,267
FURTHER.

805
00:30:02,333 --> 00:30:04,369
FOR ME THAT'S WHERE IT STARTED

806
00:30:04,435 --> 00:30:06,004
AND I THINK THAT'S STILL A BIG

807
00:30:06,070 --> 00:30:08,173
PART OF WHY I'M HERE AND EXCITED

808
00:30:08,239 --> 00:30:09,974
TO GO TO WORK EVERY DAY.

809
00:30:10,041 --> 00:30:13,077
A GOOD QUESTION.

810
00:30:13,144 --> 00:30:16,881
>>> I'M GOING TO JENNY.

811
00:30:16,948 --> 00:30:19,784
>> I WANT TO ECHO WHAT JOSHUA

812
00:30:19,851 --> 00:30:22,420
SAID IN THAT CURIOSITY IS A BIG

813
00:30:22,487 --> 00:30:23,388

COMPONENT AND A BIG DRIVER FOR

814

00:30:23,454 --> 00:30:24,155

WHAT WE DO.

815

00:30:24,222 --> 00:30:26,157

IT CERTAINLY WAS VERY MOTIVATING

816

00:30:26,224 --> 00:30:28,593

IN MY CASE AS WELL. SPACE FLIGHT

817

00:30:28,660 --> 00:30:29,961

IS REALLY INTERESTING AND SUCH

818

00:30:30,028 --> 00:30:31,129

THAT WE KNOW WE'RE GOING TO

819

00:30:31,196 --> 00:30:31,863

LEARN A LOT.

820

00:30:31,930 --> 00:30:33,798

WE DON'T NECESSARILY KNOW WHAT

821

00:30:33,865 --> 00:30:35,400

WE'RE GOING TO LEARN, I MEAN THE

822

00:30:35,466 --> 00:30:37,302

TECHNOLOGIES THAT COME FROM THE

823

00:30:37,368 --> 00:30:38,069

FUNDAMENTAL KNOWLEDGE WE GAIN

824

00:30:38,136 --> 00:30:40,238

FROM EXPLORING.

825

00:30:40,305 --> 00:30:41,072

>> SOMETIMES WE LEARN HOW MUCH

826
00:30:41,139 --> 00:30:41,940
WE DON'T KNOW.

827
00:30:42,006 --> 00:30:42,740
>> EXACTLY.

828
00:30:42,807 --> 00:30:48,346
IT'S JUST THIS INCREDIBLE

829
00:30:48,413 --> 00:30:49,047
JOURNEY.

830
00:30:49,113 --> 00:30:50,548
IT'S REALLY INSPIRING.

831
00:30:50,615 --> 00:30:52,517
ONE OF THE THINGS I'D BE REALLY

832
00:30:52,584 --> 00:30:54,385
EXCITED ABOUT ADDING TO WHAT

833
00:30:54,452 --> 00:30:56,154
LAUREL SAID AS WELL, SEEING THE

834
00:30:56,221 --> 00:30:58,623
EARTH FROM THAT PERSPECTIVE,

835
00:30:58,690 --> 00:30:59,724
IT'S ALSO THE EXCITEMENT THAT

836
00:30:59,791 --> 00:31:01,726
COMES WITH WHAT YOU'RE GOING TO

837
00:31:01,793 --> 00:31:05,930
LEARN SO THAT CURIOSITY AND I

838
00:31:05,997 --> 00:31:08,366

GUESS PUSH TO LEARN MORE IS

839

00:31:08,433 --> 00:31:09,767

INCREDIBLE MOTIVATING, I THINK,

840

00:31:09,834 --> 00:31:10,935

FOR MOST OF US.

841

00:31:11,002 --> 00:31:13,805

>>> YOU SOUND LIKE A PHD.

842

00:31:13,871 --> 00:31:18,576

>> I TRY TO HIDE IT.

843

00:31:18,643 --> 00:31:20,078

>>> FRAVRNG?

844

00:31:20,144 --> 00:31:22,247

>> SURE -- FRANK?

845

00:31:22,313 --> 00:31:23,514

>> SURE.

846

00:31:23,581 --> 00:31:25,550

WE COME FROM VERY DIFFERENT

847

00:31:25,617 --> 00:31:26,217

BACKGROUNDS BUT MANY HAVE

848

00:31:26,284 --> 00:31:27,819

SIMILAR PERNTS IN THAT WHEN WE

849

00:31:27,885 --> 00:31:33,124

WERE YOUNG WE LOVED TO EXPLORE,

850

00:31:33,191 --> 00:31:37,228

AND I THINK THAT THAT DRIVES --

851
00:31:37,295 --> 00:31:37,662
PERSONALITIES.

852
00:31:37,729 --> 00:31:39,097
THAT DRIVES, IT IS DEEP WITHIN

853
00:31:39,163 --> 00:31:40,265
ALL OF US.

854
00:31:40,331 --> 00:31:43,034
WHAT WE DO IS REPRESENT TEAMS,

855
00:31:43,101 --> 00:31:46,404
WE REPRESENT NASA, OUR

856
00:31:46,471 --> 00:31:49,407
MILITARIES, OR SCHOOLS, BECAUSE

857
00:31:49,474 --> 00:31:52,710
I THINK HUMANITY IS DRIVEN BY

858
00:31:52,777 --> 00:31:54,712
WANTING TO EXPLORE.

859
00:31:54,779 --> 00:31:56,581
THAT'S A NEAT PRIVILEGE.

860
00:31:56,648 --> 00:31:58,516
>>> WE'RE GOING TO GO TO SOCIAL

861
00:31:58,583 --> 00:32:00,518
MEDIA AND THEN I KNOW WE'VE GOT

862
00:32:00,585 --> 00:32:02,820
ANOTHER QUESTION FROM THE

863
00:32:02,887 --> 00:32:03,187

AUDIENCE.

864

00:32:03,254 --> 00:32:05,156

MANY OF NASA ASTRONAUT

865

00:32:05,223 --> 00:32:06,491

CANDIDATES HAVE MILITARY FLIGHT

866

00:32:06,557 --> 00:32:08,026

EXPERIENCE, BUT WHAT OTHER

867

00:32:08,092 --> 00:32:09,260

FIELDS OF STUDY ARE ESSENTIAL

868

00:32:09,327 --> 00:32:12,797

FOR BECOMING AN ASTRONAUT?

869

00:32:12,864 --> 00:32:14,565

THERE'S A VERY DIVERSION GROUP

870

00:32:14,632 --> 00:32:15,600

OF BACKGROUNDS HERE.

871

00:32:15,667 --> 00:32:17,135

>> DESPITE THE FACT THAT I'M

872

00:32:17,201 --> 00:32:19,304

ACTUALLY ONE OF THOSE MILITARY

873

00:32:19,370 --> 00:32:23,541

AIF YATORS -- AVIATORS.

874

00:32:23,608 --> 00:32:26,477

IT IS A DIVERSION GROUP AND WE

875

00:32:26,544 --> 00:32:29,213

HAVE SO MANY PEOPLE THAT HAVE

876

00:32:29,280 --> 00:32:30,114

DONE INTERESTING THINGS.

877

00:32:30,181 --> 00:32:31,582

YOU THINK OF THE FIRST CLASS OF

878

00:32:31,649 --> 00:32:32,083

NASA.

879

00:32:32,150 --> 00:32:35,119

IT WAS ALL MILITARY AVIATORS

880

00:32:35,186 --> 00:32:38,122

AND I'M -- AVIATORS AND WE'VE

881

00:32:38,189 --> 00:32:41,559

MOVED AWAY FROM THAT.

882

00:32:41,626 --> 00:32:44,829

WE HAVE TAKEN MANY COURSES IN

883

00:32:44,896 --> 00:32:46,864

GEOLOGY AND IT'S SO APPLICABLE

884

00:32:46,931 --> 00:32:50,501

TO WE'RE TALKING ABOUT EXPLORING

885

00:32:50,568 --> 00:32:53,571

OTHER BODIES OTHER THAN EARTH.

886

00:32:53,638 --> 00:32:57,508

WE OF DONE A LOT OF ANALOGUES

887

00:32:57,575 --> 00:32:59,444

BACK AND WE CAN LOOK AT CERTAIN

888

00:32:59,510 --> 00:33:01,679

THINGS ON EARTH AND WHAT DOES

889

00:33:01,746 --> 00:33:03,581

THAT TELL US ABOUT SEEING OIRNGS

890

00:33:03,648 --> 00:33:06,851

ON OTHER BODIES.

891

00:33:06,918 --> 00:33:08,820

XENA STUDIED SOMETHING WAY ABOVE

892

00:33:08,886 --> 00:33:10,988

MY HEAD, BUT ONE OF THE MOST

893

00:33:11,055 --> 00:33:12,223

EXCITING THINGS, THE POSSIBILITY

894

00:33:12,290 --> 00:33:17,528

OF PA FINDING LIFE SOMEWHERE

895

00:33:17,595 --> 00:33:19,263

OUTSIDE OF EARTH AND I THINK

896

00:33:19,330 --> 00:33:21,833

THOSE WOULD PLAY INTO THAT.

897

00:33:21,899 --> 00:33:25,103

JOHNNY AND FRANK WHO ARE MEDICAL

898

00:33:25,169 --> 00:33:25,436

DOCTORS.

899

00:33:25,503 --> 00:33:27,739

SO MUCH OF WHAT WE'RE STUDYING,

900

00:33:27,805 --> 00:33:29,640

ESPECIALLY TALKING ABOUT

901
00:33:29,707 --> 00:33:30,908
LONG-DURATION MISSIONS IS THE

902
00:33:30,975 --> 00:33:32,643
EFFECTS ON THE BODY, RADIATION

903
00:33:32,710 --> 00:33:34,979
AND PSYCHOLOGICAL EFFECTS, ALL

904
00:33:35,046 --> 00:33:36,748
THOSE THINGS.

905
00:33:36,814 --> 00:33:39,851
WOODY, LAUREL, ANY TIME WE'VE

906
00:33:39,917 --> 00:33:42,987
GOT A QUESTION ON MECHANICS OR

907
00:33:43,054 --> 00:33:44,956
ANYTHING WE GO TO OUR RESIDENT

908
00:33:45,022 --> 00:33:49,894
EXPERT WOODY.

909
00:33:49,961 --> 00:33:51,262
SO MANY OF THESE THINGS.

910
00:33:51,329 --> 00:33:55,333
WE'RE STUDYING SUCH A DIE

911
00:33:55,400 --> 00:33:59,537
DIVERSION AND BROAD RANGE, WE

912
00:33:59,604 --> 00:34:01,038
HAVE SUCH BROAD BACKGROUNDS THAT

913
00:34:01,105 --> 00:34:04,542

WE NEED TO PULL TOGETHER.

914

00:34:04,609 --> 00:34:09,981

>>> YOU SAID XINA AND JESSE,

915

00:34:10,047 --> 00:34:14,385

I'VE BEEN THE ADMINISTRATE OR

916

00:34:14,452 --> 00:34:17,688

FOR FIVE MONTHS NOW AND THERE

917

00:34:17,755 --> 00:34:19,257

HAVE BEEN SO MANY DISCOVERIES

918

00:34:19,323 --> 00:34:20,958

ABOUT IS THERE LIFE OUT THERE.

919

00:34:21,025 --> 00:34:22,660

WE KNOW SINCE I'VE BEEN HERE, WE

920

00:34:22,727 --> 00:34:24,862

KNOW THAT THERE IS LICK IED

921

00:34:24,929 --> 00:34:25,630

WATER ONE AND A HALF KILOMETERS

922

00:34:25,696 --> 00:34:27,965

UNDER THE SURFACE OF MARS.

923

00:34:28,032 --> 00:34:29,267

THAT'S A DISCOVERY WE DIDN'T

924

00:34:29,333 --> 00:34:30,168

KNOW WHEN I STARTED.

925

00:34:30,234 --> 00:34:33,237

IT IS FUNNY TO SEE THE CHIEF

926
00:34:33,304 --> 00:34:36,007
SCIENTIST AT NASA SAY THIS,

927
00:34:36,073 --> 00:34:37,942
"GUESS WHAT WE JUST FOUND?

928
00:34:38,009 --> 00:34:40,211
", AND TO KNOW THERE WILL BE

929
00:34:40,278 --> 00:34:42,013
PEOPLE, IN FACT MAYBE THE FOLKS

930
00:34:42,079 --> 00:34:44,081
HERE ARE TAKING THOSE MISSIONS

931
00:34:44,148 --> 00:34:46,417
TO LEARN EVEN MORE WITH HUMAN

932
00:34:46,484 --> 00:34:47,819
EXPLORATION.

933
00:34:47,885 --> 00:34:49,887
WE NOW KNOW THAT THERE'S COMPLEX

934
00:34:49,954 --> 00:34:51,689
ORGANIC COMPOUNDS ON THE SURFACE

935
00:34:51,756 --> 00:34:52,457
OF MARS.

936
00:34:52,523 --> 00:34:53,624
IT DOESN'T GUARANTEE THAT

937
00:34:53,691 --> 00:34:55,493
THERE'S LIFE, BUT IT INCREASES

938
00:34:55,560 --> 00:34:56,994

THE PROBABILITY THAT THERE IS

939

00:34:57,061 --> 00:34:58,930

LIFE, WHICH IS ANOTHER IMPORTANT

940

00:34:58,996 --> 00:35:00,665

DISCOVERY AGAIN JUST IN MY SHORT

941

00:35:00,731 --> 00:35:02,533

FIVE MONTHS HERE.

942

00:35:02,600 --> 00:35:05,136

THE IDEA THAT METHANE CYCLES ON

943

00:35:05,203 --> 00:35:07,638

MARS ARE PERFECTLY CORRELATED

944

00:35:07,705 --> 00:35:09,674

WITH THE SEASONS OF MARS AGAIN

945

00:35:09,740 --> 00:35:11,108

DOESN'T GUARANTEE LIFE BUT

946

00:35:11,175 --> 00:35:12,176

INCREASES THE PROBABILITY.

947

00:35:12,243 --> 00:35:14,612

THIS DIVERSION GROUP OF FOLKS

948

00:35:14,679 --> 00:35:17,715

THAT -- DIVERSION GROUP OF FOLKS

949

00:35:17,782 --> 00:35:20,084

IN THIS CLASS IS GOING TO HAVE

950

00:35:20,151 --> 00:35:22,720

OPPORTUNITIES TO MAKE AMAZING

951
00:35:22,787 --> 00:35:23,120
DISCOVERIES.

952
00:35:23,187 --> 00:35:24,422
IF WE'RE SUCCESSFUL IN YOUR TIME

953
00:35:24,489 --> 00:35:27,558
AT NASA, AND I CAN'T MAKE ANY

954
00:35:27,625 --> 00:35:29,660
GUARANTEES, SOME PEOPLE ARE

955
00:35:29,727 --> 00:35:33,798
OLDER THAN OTHERS, BOB, BUT IT

956
00:35:33,865 --> 00:35:36,234
WOULD BE AMAZING IF SOME OF THE

957
00:35:36,300 --> 00:35:38,870
PEOPLE HERE WERE TO MAKE THAT

958
00:35:38,936 --> 00:35:39,904
FIRST TRIP TO MARS AND I THINK

959
00:35:39,971 --> 00:35:42,640
THAT'S IN THE REALM OF

960
00:35:42,707 --> 00:35:43,040
POSSIBILITY.

961
00:35:43,107 --> 00:35:43,941
WE'RE GOING TO THE MOON, WE'RE

962
00:35:44,008 --> 00:35:46,711
GOING TO RETIRE THIS RICK AND

963
00:35:46,777 --> 00:35:49,213

THEN WE'RE GOING TO PROVE OUT

964

00:35:49,280 --> 00:35:51,082

THE TECHNOLOGIES AND TAKE

965

00:35:51,148 --> 00:35:53,351

GATEWAY, THAT FIRST GATEWAY IS

966

00:35:53,417 --> 00:35:54,151

GOOD PROVING TECHNOLOGY.

967

00:35:54,218 --> 00:35:56,087

THE SECOND ONE IS DEEP SPACE

968

00:35:56,153 --> 00:35:57,488

TRANSPORT AND THAT COULD BE OUR

969

00:35:57,555 --> 00:35:58,789

VEHICLE TO GET TO MARS.

970

00:35:58,856 --> 00:36:01,325

SO A LOT OF EXCITING THINGS AND

971

00:36:01,392 --> 00:36:03,394

THE BACKGROUNDS HERE IS AMAZING.

972

00:36:03,461 --> 00:36:06,030

ANOTHER QUESTION FROM THE

973

00:36:06,097 --> 00:36:06,397

AUDIENCE.

974

00:36:06,464 --> 00:36:08,699

>> I'M RYAN.

975

00:36:08,766 --> 00:36:10,001

I WORK FOR NASA.

976
00:36:10,067 --> 00:36:11,936
SO YOU ARE GOING TO ACTUALLY

977
00:36:12,003 --> 00:36:13,604
HAVE AN OPPORTUNITY TO DO

978
00:36:13,671 --> 00:36:15,439
SOMETHING THAT MOST PEOPLE ONLY

979
00:36:15,506 --> 00:36:16,541
GET THEORETICALLY TO DO.

980
00:36:16,607 --> 00:36:18,776
WHAT WOULD YOU TAKE WITH YOU TO

981
00:36:18,843 --> 00:36:20,011
A DESERT ISLAND?

982
00:36:20,077 --> 00:36:23,814
SO YOU'RE LITERALLY, THERE'S NO

983
00:36:23,881 --> 00:36:25,249
STORAGE AND YOU HAVE TO THINK

984
00:36:25,316 --> 00:36:27,018
HARD ABOUT WHAT TO TAKE.

985
00:36:27,084 --> 00:36:29,554
HAVE YOU GOT THOUGHTS ABOUT

986
00:36:29,620 --> 00:36:29,854
NATAL?

987
00:36:29,921 --> 00:36:32,757
>>> A GOOD POINT.

988
00:36:32,823 --> 00:36:35,693

>> WOODY.

989

00:36:35,760 --> 00:36:37,828

I WOULD TAKE WOODY.

990

00:36:37,895 --> 00:36:43,467

I THINK I'D TAKE A LONG-RANGE

991

00:36:43,534 --> 00:36:43,801

RADIO.

992

00:36:43,868 --> 00:36:47,672

>> SATELLITE PHONE.

993

00:36:47,738 --> 00:36:49,273

>> IN ALL SERIOUSNESS, LOOKING

994

00:36:49,340 --> 00:36:50,641

TOWARDS THE MISSIONS, WE HAVE

995

00:36:50,708 --> 00:36:52,243

TALKED ABOUT IT A LOT OF TIMES,

996

00:36:52,310 --> 00:36:55,146

BUT WE'RE THE TIP OF THE

997

00:36:55,212 --> 00:36:55,479

ICEBERG.

998

00:36:55,546 --> 00:36:56,681

WITHOUT THE ABILITY TO COMMUNITY

999

00:36:56,747 --> 00:37:01,118

WITH THE TEAM, WE HAVE DIVERSION

1000

00:37:01,185 --> 00:37:02,753

BACKGROUNDS BUT ANYONE BY

1001
00:37:02,820 --> 00:37:04,088
OURSELVES WOULD NOT LAST LONG.

1002
00:37:04,155 --> 00:37:06,324
COMMUNICATION TO ME WOULD BE THE

1003
00:37:06,390 --> 00:37:07,792
MOST IMPORTANT THING TO HELP

1004
00:37:07,858 --> 00:37:08,960
WITH THE JOURNEY AND ALSO TO

1005
00:37:09,026 --> 00:37:11,162
SHARE THAT JOURNEY, BUT MORE

1006
00:37:11,228 --> 00:37:13,297
IMPORTANTLY JUST TO STAY ALIVE

1007
00:37:13,364 --> 00:37:15,032
ON THE JOURNEY BECAUSE THERE ARE

1008
00:37:15,099 --> 00:37:17,501
A WHOLE BUNCH OF THINGS ON THAT

1009
00:37:17,568 --> 00:37:20,404
SPACECRAFT THAT I NEED HELP

1010
00:37:20,471 --> 00:37:23,674
WITH, OR DESERT ISLAND.

1011
00:37:23,741 --> 00:37:27,645
>>> GREAT.

1012
00:37:27,712 --> 00:37:31,082
I'VE IN THIS QUESTION A LOT AND

1013
00:37:31,148 --> 00:37:31,949

THE QUESTION IS HOW MANY

1014

00:37:32,016 --> 00:37:34,051

APPLICANTS WERE THERE TO BE IN

1015

00:37:34,118 --> 00:37:35,453

YOUR CLASS?

1016

00:37:35,519 --> 00:37:36,754

DOES ANYBODY HERE KNOW THE

1017

00:37:36,821 --> 00:37:37,955

ANSWER OFF HAND?

1018

00:37:38,022 --> 00:37:41,525

>> I THINK IT WAS AROUND 18,000.

1019

00:37:41,592 --> 00:37:44,695

>>> 18,000 PEOPLE APPLIED FOR

1020

00:37:44,762 --> 00:37:48,766

YOUR JOB AND YET THIS GROUP HERE

1021

00:37:48,833 --> 00:37:51,769

WAS SELECTED.

1022

00:37:51,836 --> 00:37:53,337

OF COURSE THIS WAS A NEW THING.

1023

00:37:53,404 --> 00:37:54,772

WAS THERE ANYBODY ON THE STAGE

1024

00:37:54,839 --> 00:37:58,576

THAT HAD APPLIED FOR THE

1025

00:37:58,643 --> 00:37:59,377

ASTRONAUT POSITION PREVIOUSLY?

1026

00:37:59,443 --> 00:38:03,714

WE HAVE A NUMBER OF FOLKS.

1027

00:38:03,781 --> 00:38:05,683

HOW MANY TIMES DID IT TAKE?

1028

00:38:05,750 --> 00:38:08,519

I HAVE TALKED TO ASTRONAUTS THAT

1029

00:38:08,586 --> 00:38:09,954

WORK HERE AT THE HEADQUARTERS

1030

00:38:10,021 --> 00:38:12,089

BUILDING THAT HAVE SAID THEY GOT

1031

00:38:12,156 --> 00:38:13,924

ACCEPTED ON THEIR 8TH

1032

00:38:13,991 --> 00:38:17,628

APPLICATION TO BE IN THE

1033

00:38:17,695 --> 00:38:19,363

ASTRONAUT CORPS.

1034

00:38:19,430 --> 00:38:21,999

IT SHOWS THAT THIS PERSON WAS

1035

00:38:22,066 --> 00:38:23,334

QUALIFIED AND STILL IS QUALIFIED

1036

00:38:23,401 --> 00:38:25,369

AS YOU ARE IT'S STILL EXTREMELY

1037

00:38:25,436 --> 00:38:28,606

DIFFICULT TO GET INTO THE CORPS

1038

00:38:28,673 --> 00:38:29,807

AND YET HERE YOU ARE.

1039

00:38:29,874 --> 00:38:33,678

IF YOU DON'T MIND, SHARE WITH US

1040

00:38:33,744 --> 00:38:35,479

THE EXPERIENCE OF THE FIRST

1041

00:38:35,546 --> 00:38:36,580

APPLICATION, SECOND, THIRD,

1042

00:38:36,647 --> 00:38:37,748

WHATEVER AND THEN ULTIMATELY

1043

00:38:37,815 --> 00:38:40,484

WHAT IT WAS LIKE TO FINALLY GET

1044

00:38:40,551 --> 00:38:44,522

THE YES.

1045

00:38:44,588 --> 00:38:44,855

ANYONE?

1046

00:38:44,922 --> 00:38:47,224

>> I APPLIED THREE TIMES.

1047

00:38:47,291 --> 00:38:48,726

I STARTED APPLYING BASICALLY AS

1048

00:38:48,793 --> 00:38:49,593

SOON AS I WAS OLD ENOUGH.

1049

00:38:49,660 --> 00:38:51,062

THE FIRST TIME I APPLIED I WAS

1050

00:38:51,128 --> 00:38:53,597

STILL IN GRAD SCHOOL AND I DON'T

1051
00:38:53,664 --> 00:38:55,032
THINK I MET THE BASIC

1052
00:38:55,099 --> 00:38:55,499
QUALIFICATIONS.

1053
00:38:55,566 --> 00:39:01,238
THIS IS MY THIRD TIME APPLYING.

1054
00:39:01,305 --> 00:39:03,641
I GUESS THAT'S ALL.

1055
00:39:03,708 --> 00:39:05,443
>>> AWESOME.

1056
00:39:05,509 --> 00:39:05,710
BOB?

1057
00:39:05,776 --> 00:39:06,610
>> I THINK ONE OF THE UNIQUE

1058
00:39:06,677 --> 00:39:08,746
THINGS ABOUT THE APPLICATION

1059
00:39:08,813 --> 00:39:11,415
PROCESS THAT WE GO THROUGH IS WE

1060
00:39:11,482 --> 00:39:14,118
GET TO SPEND TWICE A FULL WEEK

1061
00:39:14,185 --> 00:39:15,486
WITH THE OTHER PEOPLE THAT ARE

1062
00:39:15,553 --> 00:39:18,289
ALSO COMPETING FOR THE SAME JOB.

1063
00:39:18,355 --> 00:39:20,624

THAT'S PRETTY UNIQUE TO MOST ANY

1064

00:39:20,691 --> 00:39:22,426

OTHER JOB THAT'S OUT THERE.

1065

00:39:22,493 --> 00:39:23,961

ONE OF THE THINGS THAT OUR EYES

1066

00:39:24,028 --> 00:39:25,963

ARE OPENED TO IS THE QUALITY OF

1067

00:39:26,030 --> 00:39:27,431

THE APPLICANTS THAT ARE COMING

1068

00:39:27,498 --> 00:39:27,865

IN.

1069

00:39:27,932 --> 00:39:31,235

MOST OF US WOULD AGREE THAT

1070

00:39:31,302 --> 00:39:33,003

THERE ARE MULTITUDES OF OTHER

1071

00:39:33,070 --> 00:39:35,039

PEOPLE THAT ARE JUST AS OR MORE

1072

00:39:35,106 --> 00:39:36,774

QUALIFIED POTENTIALLY THAN WE

1073

00:39:36,841 --> 00:39:37,074

ARE.

1074

00:39:37,141 --> 00:39:38,976

SO WE'RE INCREDIBLY BLESSED AND

1075

00:39:39,043 --> 00:39:41,045

FORTUNATE TO HAVE BEEN SELECTED

1076

00:39:41,112 --> 00:39:43,981

BY NASA ON THIS.

1077

00:39:44,048 --> 00:39:45,783

WE, OBVIOUSLY, ENJOY IT.

1078

00:39:45,850 --> 00:39:47,918

WE'VE GOT A GREAT GROUP DYNAMIC

1079

00:39:47,985 --> 00:39:49,286

WITH OUR GROUP AND THAT'S PART

1080

00:39:49,353 --> 00:39:51,589

OF WHAT GOES INTO, I THINK,

1081

00:39:51,655 --> 00:39:54,925

MAKING A GOOD COHESIVE CLASS FOR

1082

00:39:54,992 --> 00:39:55,226

US.

1083

00:39:55,292 --> 00:39:57,027

TO ANSWER YOUR QUESTION, THIS IS

1084

00:39:57,094 --> 00:39:58,362

MY THIRD APPLICATION AND I DID

1085

00:39:58,429 --> 00:40:02,133

NOT INTERVIEW AT ALL ON EITHER

1086

00:40:02,199 --> 00:40:02,633

OF THE FIRST TWO.

1087

00:40:02,700 --> 00:40:05,536

SO IT'S AN INCREDIBLE EXPERIENCE

1088

00:40:05,603 --> 00:40:09,707

TO GO THROUGH THAT PROCESS, BUT

1089

00:40:09,774 --> 00:40:10,841

IT IS VERY EYE-OPENING.

1090

00:40:10,908 --> 00:40:14,044

AS MANY MAY OR MAY NOT KNOW, AS

1091

00:40:14,111 --> 00:40:16,714

PILOT FIGHTERS THERE'S AN EGO

1092

00:40:16,781 --> 00:40:19,250

THAT GOES LIKE THAT, BUT IN A

1093

00:40:19,316 --> 00:40:24,155

GROUP LIKE THIS YOU REALISE YOU

1094

00:40:24,221 --> 00:40:25,689

JUST FLY PLANES.

1095

00:40:25,756 --> 00:40:28,959

>>> KAYLA, YOU'RE A SUBMARINER,

1096

00:40:29,026 --> 00:40:29,660

U.S. NAVY.

1097

00:40:29,727 --> 00:40:31,428

WE HAVE A QUESTION FROM SOCIAL

1098

00:40:31,495 --> 00:40:32,863

MEDIA WHICH I THINK IS

1099

00:40:32,930 --> 00:40:36,200

INTERESTING ABOUT AN LUNAR BASE.

1100

00:40:36,267 --> 00:40:38,469

IT ASKS HOW WOULD AN LUNAR BASE

1101
00:40:38,536 --> 00:40:42,072
OR COLONY SFAEKT THE FUTURE OF

1102
00:40:42,139 --> 00:40:43,774
SPACE TRAVEL -- AFFECT THE

1103
00:40:43,841 --> 00:40:44,909
FUTURE OF SPACE TRAVEL?

1104
00:40:44,975 --> 00:40:50,314
HAVE YOU HAD THOUGHTS ABOUT

1105
00:40:50,381 --> 00:40:50,614
THIS?

1106
00:40:50,681 --> 00:40:51,515
>> AS YOU POINTED OUT, THE

1107
00:40:51,582 --> 00:40:54,785
OPPORTUNITY TO WORK ON THE MOON

1108
00:40:54,852 --> 00:40:56,754
IS A GREAT PROVING GROUND FOR

1109
00:40:56,821 --> 00:40:58,823
FUTURE EXPLORATION DEEPER IN

1110
00:40:58,889 --> 00:40:59,123
SPACE.

1111
00:40:59,190 --> 00:41:00,324
I THINK THERE'S A LOT WE CAN

1112
00:41:00,391 --> 00:41:03,394
LEARN FROM OPERATING IN EXTREME

1113
00:41:03,460 --> 00:41:03,828

ENVIRONMENTS.

1114

00:41:03,894 --> 00:41:06,297

WE'RE DOING THAT ALREADY HERE ON

1115

00:41:06,363 --> 00:41:09,700

THE SURFACE OF THE EARTH.

1116

00:41:09,767 --> 00:41:13,537

SUBNASA HAS A LOT OF PROJECTS

1117

00:41:13,604 --> 00:41:16,040

INCLUDING NE MO, WHICH IS AN

1118

00:41:16,106 --> 00:41:17,875

OPPORTUNITY TO LIVE UNDER WATER

1119

00:41:17,942 --> 00:41:20,444

AND BASICALLY A SUBMERGED

1120

00:41:20,511 --> 00:41:23,480

HABITAT AND DO SCUBA DIVING THAT

1121

00:41:23,547 --> 00:41:25,349

SIMULATES DOING A SPACE WALK.

1122

00:41:25,416 --> 00:41:27,384

THE BASE JUST TAKES THAT TO THE

1123

00:41:27,451 --> 00:41:27,952

NEXT LEVEL.

1124

00:41:28,018 --> 00:41:30,087

IT WOULD TEACH US A LOT ABOUT

1125

00:41:30,154 --> 00:41:32,389

HOW WE NEED TO OPERATE WHEN

1126
00:41:32,456 --> 00:41:34,091
WE'RE FURTHER FROM EARTH AND

1127
00:41:34,158 --> 00:41:35,926
SUPPORT TEAM AND WHEN WE HAVE

1128
00:41:35,993 --> 00:41:38,629
FEW RESOURCES.

1129
00:41:38,696 --> 00:41:41,165
>>> I GET THIS QUESTION A LOT

1130
00:41:41,232 --> 00:41:42,099
BECAUSE PEOPLE WANT TO KNOW WHY

1131
00:41:42,166 --> 00:41:45,002
ARE WE GOING BACK TO THE MOON.

1132
00:41:45,069 --> 00:41:47,071
WE HAVE GOT GEOLOGISTS HERE AS

1133
00:41:47,137 --> 00:41:47,371
WELL.

1134
00:41:47,438 --> 00:41:50,608
WHEN YOU THINK BACK TO THE

1135
00:41:50,674 --> 00:41:51,508
APOLLO PROPOSAL WE LANDED SIX

1136
00:41:51,575 --> 00:41:53,043
TIMES ON THE SURFACE OF THE MOON

1137
00:41:53,110 --> 00:41:53,744
WITH 12 PEOPLE.

1138
00:41:53,811 --> 00:41:56,513

EACH TIME IT WAS IN THAT REGION

1139

00:41:56,580 --> 00:41:57,314

OF THE MOON.

1140

00:41:57,381 --> 00:41:58,782

WHEN WE THINK ABOUT GATEWAY AND

1141

00:41:58,849 --> 00:42:00,584

WHAT IT IS, WE'RE TALKING ABOUT

1142

00:42:00,651 --> 00:42:05,489

A HABITAT IN ORBIT AROUND THE

1143

00:42:05,556 --> 00:42:05,956

MOON.

1144

00:42:06,023 --> 00:42:08,292

WHAT THE GATEWAY WILL ALLOW US

1145

00:42:08,359 --> 00:42:09,727

TO DO IS TO HAVE MORE ACCESS TO

1146

00:42:09,793 --> 00:42:13,564

MORE PARTS OF THE MOON THAN EVER

1147

00:42:13,631 --> 00:42:14,031

BEFORE.

1148

00:42:14,098 --> 00:42:15,432

THINKING BACK IN HISTORY, PEOPLE

1149

00:42:15,499 --> 00:42:16,834

HAVE THOUGHT ABOUT THAT THERE

1150

00:42:16,901 --> 00:42:18,736

MIGHT BE WATER ICE ON THE

1151
00:42:18,802 --> 00:42:19,737
SURFACE OF THE MOON.

1152
00:42:19,803 --> 00:42:22,106
WHAT WE HAVE DISCOVERED IN 2008

1153
00:42:22,172 --> 00:42:26,310
AND IN 2009 THAT THERE IS WATER

1154
00:42:26,377 --> 00:42:27,511
AND DISCOVERED THAT THERE ARE

1155
00:42:27,578 --> 00:42:29,647
HOLD-UPS OF BILLIONS OF TONS OF

1156
00:42:29,713 --> 00:42:31,682
WATER ICE ON THE SURFACE OF THE

1157
00:42:31,749 --> 00:42:31,982
MOON.

1158
00:42:32,049 --> 00:42:34,818
THAT'S ONE OF THE REASONS HOW IT

1159
00:42:34,885 --> 00:42:36,387
WOULD AFFECT THE TRAVEL WATER

1160
00:42:36,453 --> 00:42:37,588
ICE IS SUPPORT.

1161
00:42:37,655 --> 00:42:39,356
UTILISING THE RESOURCES OF THE

1162
00:42:39,423 --> 00:42:41,392
MOON FOR LIFE SUPPORT WATER IS,

1163
00:42:41,458 --> 00:42:42,660

OF COURSE, THERE TO DRINK.

1164

00:42:42,726 --> 00:42:44,929

ICE MELT IT, YOU'VE GOT WATER,

1165

00:42:44,995 --> 00:42:48,933

CRACK IT INTO HYDROGEN AND

1166

00:42:48,999 --> 00:42:50,534

OXYGEN, WHICH IS NECESSARY TO

1167

00:42:50,601 --> 00:42:52,002

BREATHE, AND WHEN PUTTING THOSE

1168

00:42:52,069 --> 00:42:57,908

IN CRYOGENIC FORM THAT'S ROCKET

1169

00:42:57,975 --> 00:42:58,309

PROPULSION.

1170

00:42:58,375 --> 00:43:00,444

SOME WILL BE LAUNCHING FROM

1171

00:43:00,511 --> 00:43:02,579

LIQUID OXYGEN NITROGEN ROCKET.

1172

00:43:02,646 --> 00:43:04,248

THIS IS AN IMPORTANT QUESTION,

1173

00:43:04,315 --> 00:43:06,283

SOMETHING WE NEED TO THIS THINK

1174

00:43:06,350 --> 00:43:07,051

ABOUT.

1175

00:43:07,117 --> 00:43:08,786

WE PUT HABITATIONS ON THE

1176
00:43:08,852 --> 00:43:10,187
SURFACE OF THE MOON, WE WILL GET

1177
00:43:10,254 --> 00:43:11,488
MORE KNOWLEDGE ABOUT THE

1178
00:43:11,555 --> 00:43:11,989
SURFACE.

1179
00:43:12,056 --> 00:43:14,158
1969 WE HANDED ON THE MOON AND

1180
00:43:14,224 --> 00:43:16,060
IT TOOK UNTIL 2009 BEFORE WE

1181
00:43:16,126 --> 00:43:18,462
KNEW THAT THERE WERE HUNDREDS OF

1182
00:43:18,529 --> 00:43:19,697
BILLIONS OF WATER ICE.

1183
00:43:19,763 --> 00:43:21,332
HOW MANY DO WE STILL NOT KNOW

1184
00:43:21,398 --> 00:43:23,167
ABOUT THE MOON?

1185
00:43:23,233 --> 00:43:24,435
COULD THERE BE, AND I DON'T HAVE

1186
00:43:24,501 --> 00:43:27,004
AN ANSWER, NOBODY ELSE DOES, BUT

1187
00:43:27,071 --> 00:43:28,439
WE KNOW THERE ARE RARE EARTH

1188
00:43:28,505 --> 00:43:31,375

METALS ARE THAT EXTREMELY

1189

00:43:31,442 --> 00:43:31,742

VALUABLE.

1190

00:43:31,809 --> 00:43:33,811

THEY'RE AS TROYED IMPACTS, NOT

1191

00:43:33,877 --> 00:43:35,879

EARTH METALS AT ALL. COULD THERE

1192

00:43:35,946 --> 00:43:37,748

BE THOSE METALS ON THE SURFACE

1193

00:43:37,815 --> 00:43:40,150

OF THE MOON WHERE THERE'S AN

1194

00:43:40,217 --> 00:43:42,386

ACTIVE GEOLOGY AND WOULD THEY BE

1195

00:43:42,453 --> 00:43:44,755

RIGHT WHERE THEY IMPACTED A

1196

00:43:44,822 --> 00:43:46,090

BILLION YEARS AGO OR HOWEVER

1197

00:43:46,156 --> 00:43:47,658

LONG AGO IT MIGHT HAVE BEEN.

1198

00:43:47,725 --> 00:43:49,159

THESE ARE IMPORTANT QUESTIONS

1199

00:43:49,226 --> 00:43:50,561

ABOUT THE SURFACE OF THE MOON

1200

00:43:50,627 --> 00:43:52,096

AND WHAT COMES NEXT FOR THE

1201
00:43:52,162 --> 00:43:54,865
FUTURE OF SPACE EXPLORATION.

1202
00:43:54,932 --> 00:43:56,700
I'M GOING TO GO TO A QUESTION

1203
00:43:56,767 --> 00:43:59,636
THAT I HAVE HERE ON A CARD.

1204
00:43:59,703 --> 00:44:02,740
I MENTIONED SLS, WE MENTIONED

1205
00:44:02,806 --> 00:44:04,475
COMMERCIAL CREW GOING BACK AND

1206
00:44:04,541 --> 00:44:06,744
FORTH TO THE INTERNATIONAL SPACE

1207
00:44:06,810 --> 00:44:07,878
STATION ON COMMERCIAL ROCKETS.

1208
00:44:13,617 --> 00:44:12,383
X

1209
00:44:13,684 --> 00:44:14,918
MISSION YOU'D HIKE TO BE

1210
00:44:14,985 --> 00:44:16,820
INVOLVED IN, WHAT WOULD BE YOUR

1211
00:44:16,887 --> 00:44:18,422
DREAM CHOICE AND WHY?

1212
00:44:18,489 --> 00:44:19,757
>> THAT'S A GREAT QUESTION AND I

1213
00:44:19,823 --> 00:44:23,327

THINK WE ALL HAVE THE VERY CORNY

1214

00:44:23,394 --> 00:44:27,331

BORING ANSWER THAT SERIOUSLY WE

1215

00:44:27,398 --> 00:44:27,931

WOULD TAKE ANYTHING.

1216

00:44:27,998 --> 00:44:29,600

IT IS EXCITING TO ME THAT YOU

1217

00:44:29,666 --> 00:44:31,201

CAN EVEN ASK THAT QUESTION AND

1218

00:44:31,268 --> 00:44:32,970

THAT THERE ARE MULTIPLE OPTIONS

1219

00:44:33,037 --> 00:44:34,938

FOR US TO CHOOSE FROM.

1220

00:44:35,005 --> 00:44:38,809

THAT'S AN EXCITING TIME TO BE A

1221

00:44:38,876 --> 00:44:40,244

PART OF THE SPACE PROGRAM.

1222

00:44:40,310 --> 00:44:42,813

I WOULD GO ON ANY MISSION WITH

1223

00:44:42,880 --> 00:44:44,348

ANY ONE OF THESE TURTLES.

1224

00:44:44,415 --> 00:44:45,015

>>> YOU'RE RIGHT.

1225

00:44:45,082 --> 00:44:48,218

THE IDEA THAT WE'VE GOT TWO

1226
00:44:48,285 --> 00:44:49,620
DIFFERENT, VERY DISSIMILAR

1227
00:44:49,686 --> 00:44:50,921
DESIGNS WITH UNITED LAUNCH

1228
00:44:50,988 --> 00:44:54,758
ALLIANCE AND BOEING AND SPACEX,

1229
00:44:54,825 --> 00:44:56,093
LAUNCHING TO THE INTERNATIONAL

1230
00:44:56,160 --> 00:44:59,163
SPACE STATION NEXT YEAR WITH

1231
00:44:59,229 --> 00:45:00,564
HUMANS AND AT THE SAME TIME

1232
00:45:00,631 --> 00:45:03,367
WE'RE BUILDING THE LARGEST

1233
00:45:03,434 --> 00:45:04,868
ROCKET, BIGGER THAN THE STATUTE

1234
00:45:04,935 --> 00:45:05,469
OF LIBERTY.

1235
00:45:05,536 --> 00:45:07,971
THAT HAS GOT TO BE INTIMIDATING,

1236
00:45:08,038 --> 00:45:10,774
NOT THAT THE OTHERS AREN'T, BUT

1237
00:45:10,841 --> 00:45:12,076
WHAT AN AMAZING OPPORTUNITY IN

1238
00:45:12,142 --> 00:45:14,278

THIS COUNTRY TO HAVE ALL OF THIS

1239

00:45:14,344 --> 00:45:16,847

AND NOW ON THE PRESS PIES OF

1240

00:45:16,914 --> 00:45:20,350

SEEING IT REALIZED -- PRECIPICE

1241

00:45:20,417 --> 00:45:22,086

OF SEEING IT REALIZED.

1242

00:45:22,152 --> 00:45:24,822

THEN WANT TO WEIGH IN?

1243

00:45:24,888 --> 00:45:27,891

JESSE WANTS TO GO TO MARS SO ALL

1244

00:45:27,958 --> 00:45:29,059

ABOUT THE LCS.

1245

00:45:29,126 --> 00:45:31,295

>> I WOULD DEFINITELY TAKE IT,

1246

00:45:31,361 --> 00:45:31,862

YES.

1247

00:45:31,929 --> 00:45:35,065

I JUST WOULD PIGGYBACK ON.

1248

00:45:35,132 --> 00:45:37,434

IT IS SUPER EXCITING TO HAVE

1249

00:45:37,501 --> 00:45:39,670

THOSE OPPORTUNITIES TO ACTUALLY

1250

00:45:39,736 --> 00:45:41,772

ON THE HORIZON WHEN IT'S JUST

1251
00:45:41,839 --> 00:45:43,574
BECAUSE OF ALL OF THE GREAT WORK

1252
00:45:43,640 --> 00:45:48,745
FOR OF THE TALENTED PEOPLE AAT

1253
00:45:48,812 --> 00:45:49,046
NASA.

1254
00:45:49,113 --> 00:45:50,080
>>> ANYONE ELSE?

1255
00:45:50,147 --> 00:45:51,515
IMPRISONMENT I COMPLETELY ECHO

1256
00:45:51,582 --> 00:45:51,815
THAT.

1257
00:45:51,882 --> 00:45:53,917
WE WOULD TAKE ANY MISSION AND BE

1258
00:45:53,984 --> 00:45:54,251
EXCITED.

1259
00:45:54,318 --> 00:45:56,787
THE FACT THAT WE'RE BUILDING A

1260
00:45:56,854 --> 00:45:59,123
NEW GATEWAY OUT NEAR THE MOON, I

1261
00:45:59,189 --> 00:46:01,058
THINK THE OPPORTUNITY TO BE

1262
00:46:01,125 --> 00:46:03,093
INVOLVED IN INSTRUCTING THAT IS

1263
00:46:03,160 --> 00:46:03,460

EXCITING.

1264

00:46:03,527 --> 00:46:06,163

WHILE I WOULD TAKE ANYTHING,

1265

00:46:06,230 --> 00:46:08,999

THAT'S THE KIND OF THING OUT

1266

00:46:09,066 --> 00:46:11,201

THERE SAYING IT'S AMAZING.

1267

00:46:11,268 --> 00:46:11,468

>>.

1268

00:46:11,535 --> 00:46:14,071

>>> IF WE NEED INFORMATION ABOUT

1269

00:46:14,138 --> 00:46:15,906

ORBITAL PHYSICS, THEY GO TO YOU.

1270

00:46:15,973 --> 00:46:19,276

MAYBE YOU CAN SHARE FOR THE

1271

00:46:19,343 --> 00:46:22,513

AUDIENCE WHO A CERTAIN ORBIT IS.

1272

00:46:22,579 --> 00:46:26,550

DON'T DO THAT, UNLESS YOU WANT

1273

00:46:26,617 --> 00:46:26,817

TO..

1274

00:46:26,884 --> 00:46:27,251

>> I CAN TRY.

1275

00:46:27,317 --> 00:46:28,685

WE HAD A GOOD DISCUSSION ABOUT

1276

00:46:28,752 --> 00:46:33,223

THIS AT DINNER LAST NIGHT.

1277

00:46:33,290 --> 00:46:35,125

WE ARE TRUCKING ABOUT PUT --ING

1278

00:46:35,192 --> 00:46:37,494

- TALKING ABOUT PUTTING THIS

1279

00:46:37,561 --> 00:46:40,564

GATEWAY IN AN INTERESTING ORBIT,

1280

00:46:40,631 --> 00:46:44,101

ONE AROUND THE MOON THAT HAS A

1281

00:46:44,168 --> 00:46:45,969

LOT OF CONVENIENT PROPERTIES.

1282

00:46:46,036 --> 00:46:47,871

FOR EXAMPLE, IT IS EASY TO

1283

00:46:47,938 --> 00:46:50,007

CHANGE THE PLAIN OF THAT OR FWIT

1284

00:46:50,073 --> 00:46:53,510

IF YOU COMPARE IT LIKE A SIR LAR

1285

00:46:53,577 --> 00:46:55,879

ORBIT -- CIRCULAR ORBIT.

1286

00:46:55,946 --> 00:46:56,947

IT GIVES POSSIBILITIES LIKE

1287

00:46:57,014 --> 00:46:58,148

GOING TO DIFFERENT PLACES IF WE

1288

00:46:58,215 --> 00:47:01,185

DO WANT TO GO DOWN TO THE

1289

00:47:01,251 --> 00:47:01,518

SURFACE.

1290

00:47:01,585 --> 00:47:03,120

>>> THE IDEA BEHIND THE GATEWAY,

1291

00:47:03,187 --> 00:47:07,090

WE THINK BACK TO THE OPOLLO ERA

1292

00:47:07,157 --> 00:47:09,526

AND THINK ABOUT A COMMAND

1293

00:47:09,593 --> 00:47:10,794

MODULE, THE ROCK ET ON THE

1294

00:47:10,861 --> 00:47:11,762

LAUNCH PAD.

1295

00:47:11,828 --> 00:47:13,230

WHAT CAME BACK WAS THAT LITTLE

1296

00:47:13,297 --> 00:47:14,665

THING AT THE VERY TOP THAT HAD

1297

00:47:14,731 --> 00:47:16,333

PEOPLE ON BOARD.

1298

00:47:16,400 --> 00:47:18,835

THAT WAS ALL THAT CAME BACK AT

1299

00:47:18,902 --> 00:47:19,369

THE END OF THE DAY.

1300

00:47:19,436 --> 00:47:20,204

IMAGINE ARCHITECTURE THAT WE

1301
00:47:20,270 --> 00:47:22,072
WANT TO BUILD THAT IS

1302
00:47:22,139 --> 00:47:24,141
SUSTAINABLE WHERE ALL THE PIECES

1303
00:47:24,208 --> 00:47:26,176
OF THE ARCHITECTURE ARE

1304
00:47:26,243 --> 00:47:26,543
REUSABLE.

1305
00:47:26,610 --> 00:47:29,646
WHAT THE GATEWAY REPRESENTS IS A

1306
00:47:29,713 --> 00:47:31,715
REUSABLE DEMAND MODULE THAT CAN

1307
00:47:31,782 --> 00:47:33,951
GO TO DIFFERENT ORBITS AROUND

1308
00:47:34,017 --> 00:47:37,421
THE MOON, TO L1 AND L2, YOU CAN

1309
00:47:37,487 --> 00:47:39,556
CHANGE WHAT THAT ORBIT IS, WHICH

1310
00:47:39,623 --> 00:47:42,226
GIVES YOU MORE ACCESS TO MORE

1311
00:47:42,292 --> 00:47:43,260
PARTS OF THE MOON THAN VRP

1312
00:47:43,327 --> 00:47:46,563
BEFORE TO MAKE THOSE AMAZING

1313
00:47:46,630 --> 00:47:46,964

DISCOVERIES.

1314

00:47:47,030 --> 00:47:49,266

SO WE'RE THRILLED TO HAVE YOU

1315

00:47:49,333 --> 00:47:51,301

INVOLVED IN THAT ACTIVITY.

1316

00:47:51,368 --> 00:47:52,703

GET THROUGH CANDIDATE TRAINING

1317

00:47:52,769 --> 00:47:53,837

AND I'M SURE YOU WILL BE

1318

00:47:53,904 --> 00:47:56,206

INVOLVED IN ALL THOSE KIND OF

1319

00:47:56,273 --> 00:47:56,607

ACTIVITIES.

1320

00:47:56,673 --> 00:47:58,675

DID YOU HAVE SOMETHING ELSE?

1321

00:47:58,742 --> 00:48:00,277

I KNOW WE HAD ANOTHER QUESTION

1322

00:48:00,344 --> 00:48:01,645

FROM THE AUDIENCE OVER HERE.

1323

00:48:01,712 --> 00:48:04,915

A LOT OF QUESTIONS FROM THE

1324

00:48:04,982 --> 00:48:05,282

AUDIENCE.

1325

00:48:05,349 --> 00:48:06,216

>> GOOD MORNING.

1326
00:48:06,283 --> 00:48:08,252
IF YOU WERE ALLOWED ONE PERSONAL

1327
00:48:08,318 --> 00:48:09,720
ITEM TO TAKE INTO SPACE TO

1328
00:48:09,786 --> 00:48:13,190
REMIND YOU OF HOME, WHAT WOULD

1329
00:48:13,257 --> 00:48:20,497
THAT BE?

1330
00:48:20,564 --> 00:48:23,133
>> I HAVE AN ANSWER TO THIS.

1331
00:48:23,200 --> 00:48:25,235
AT HOME I HAVE AN OLD-TIME

1332
00:48:25,302 --> 00:48:27,004
PIECE, MECHANICALLY WOUND AND IT

1333
00:48:27,070 --> 00:48:31,008
WAS BUILT-IN THE LATE 1800S

1334
00:48:31,074 --> 00:48:31,375
PROBABLY.

1335
00:48:31,441 --> 00:48:32,976
IT CAME FROM MIGRATE GRANDER

1336
00:48:33,043 --> 00:48:34,878
THROUGH MY FATHER.

1337
00:48:34,945 --> 00:48:37,314
I STILL HAVE THAT ON MY DESK AT

1338
00:48:37,381 --> 00:48:37,614

HOME.

1339

00:48:37,681 --> 00:48:39,549

IT IS AMAZING TO ME TO SIT AND

1340

00:48:39,616 --> 00:48:42,252

LOOK AT THIS AND THINK THAT IN

1341

00:48:42,319 --> 00:48:44,388

REALLY A SHORT TIME SPAN OF JUST

1342

00:48:44,454 --> 00:48:46,857

A FEW GENERATIONS, WE'RE SITTING

1343

00:48:46,923 --> 00:48:48,592

HERE WITH THESE PEOPLE TODAY AT

1344

00:48:48,659 --> 00:48:49,626

NASA TALKING ABOUT ACTUALLY

1345

00:48:49,693 --> 00:48:52,529

GOING TO THE MOON AND BEYOND.

1346

00:48:52,596 --> 00:48:54,965

JUST SOMETHING FUNDAMENTALLY

1347

00:48:55,032 --> 00:48:57,167

AMAZING TO THINK ABOUT IN TERMS

1348

00:48:57,234 --> 00:48:58,502

OF THE PACE OF HUMAN INNOVATION,

1349

00:48:58,568 --> 00:49:00,604

IN TERMS OF WHAT WE CAN DO WHEN

1350

00:49:00,671 --> 00:49:02,506

WE COME TOGETHER AND TRY TO DO

1351
00:49:02,572 --> 00:49:04,708
IT AND JUST IN TERMS OF HOW

1352
00:49:04,775 --> 00:49:08,645
EXCITING THE FUTURE IS.

1353
00:49:08,712 --> 00:49:11,982
THERE'S PROBABLY NOT WEIGHT FOR

1354
00:49:12,049 --> 00:49:13,150
THAT BUT THAT'S WHAT IT IS THAT

1355
00:49:13,216 --> 00:49:14,484
I WOULD TAKE.

1356
00:49:14,551 --> 00:49:17,287
>> FOR ME IF YOU ASK ANY OF MY

1357
00:49:17,354 --> 00:49:19,289
CLASSMATES, I REALLY LOVE

1358
00:49:19,356 --> 00:49:20,757
PICTURES, WHICH IS I'M ALWAYS

1359
00:49:20,824 --> 00:49:22,526
THE ONE SNAPPING PICTURES ON ALL

1360
00:49:22,592 --> 00:49:24,428
OUR TRIPS.

1361
00:49:24,494 --> 00:49:27,331
WHEN I DID MY DEEMPLOYMENT I

1362
00:49:27,397 --> 00:49:28,498
ALWAYS CARRIED A BOOK OF

1363
00:49:28,565 --> 00:49:30,267

PICTURES OF MY FRIENDS AND

1364

00:49:30,334 --> 00:49:31,034

FAMILY.

1365

00:49:31,101 --> 00:49:37,441

SO I THINK I WOULD BRING THAT.

1366

00:49:37,507 --> 00:49:41,345

>>> WHAT DID YOU FLY?

1367

00:49:41,411 --> 00:49:44,781

>> HELICOPTERS IN THE MARINE

1368

00:49:44,848 --> 00:49:45,082

CORPS.

1369

00:49:45,148 --> 00:49:45,816

>>> YOU WOULD TAKE THOSE

1370

00:49:45,882 --> 00:49:49,486

PICTURES ON DEPLOYMENT IN THE

1371

00:49:49,553 --> 00:49:49,820

COBRA?

1372

00:49:49,886 --> 00:49:50,654

>> I WOULD.

1373

00:49:50,721 --> 00:49:52,522

I WOULD CARRY THEM IN MY POCKET.

1374

00:49:52,589 --> 00:49:56,326

>>> MORE QUESTIONS FROM THE

1375

00:49:56,393 --> 00:49:59,396

AUDIENCE.

1376
00:49:59,463 --> 00:50:01,465
NO OFFENCE, BUT WE WILL START

1377
00:50:01,531 --> 00:50:02,599
WITH THE YOUNG FOLKS.

1378
00:50:02,666 --> 00:50:04,568
>> MY NAME IS JORDAN.

1379
00:50:04,634 --> 00:50:07,604
WHAT WAS YOUR FIRST REACTION

1380
00:50:07,671 --> 00:50:18,548
WHEN YOU GOT TO NASA?

1381
00:50:18,615 --> 00:50:21,251
>> I HAD THIS BHOEL SPEECH --

1382
00:50:21,318 --> 00:50:22,152
WHOLE SPEECH PREPARED FOR SAYING

1383
00:50:22,219 --> 00:50:24,020
THANK YOU FOR THE OPPORTUNITY,

1384
00:50:24,087 --> 00:50:25,756
IT'S GREAT THAT I MADE IT THAT

1385
00:50:25,822 --> 00:50:27,257
FAR BECAUSE I WAS CONVINCED I

1386
00:50:27,324 --> 00:50:28,959
WASN'T GOING TO GET IT.

1387
00:50:29,025 --> 00:50:30,594
I PICKED UP THE PHONE AND I

1388
00:50:30,660 --> 00:50:32,863

ACTUALLY HAPPENED TO BE AT HOME

1389

00:50:32,929 --> 00:50:35,699

OVER LUNCH AND MY WIFE WAS

1390

00:50:35,766 --> 00:50:36,032

THERE.

1391

00:50:36,099 --> 00:50:37,534

IT WAS A COMPLETE SHOCK.

1392

00:50:37,601 --> 00:50:40,537

I KNOW THAT SOUNDS TRITE, BUT IT

1393

00:50:40,604 --> 00:50:42,305

REALLY JUST IS, YOU NEVER SPECK

1394

00:50:42,372 --> 00:50:43,640

TO GET IT.

1395

00:50:43,707 --> 00:50:45,709

I'M NOT AN EMOTIONAL PERSON BUT

1396

00:50:45,776 --> 00:50:47,511

I STARTED CRYING. IT WAS ONE OF

1397

00:50:47,577 --> 00:50:58,855

THOSE, HUH, WHAT'S GOING ON?

1398

00:50:58,922 --> 00:51:02,793

JUST A LITTLE BIT.

1399

00:51:02,859 --> 00:51:04,961

IT WAS JUST AN OVERWHELMING

1400

00:51:05,028 --> 00:51:09,266

EXCITEMENT THAT I WAS SHOCKED

1401
00:51:09,332 --> 00:51:09,533
BY.

1402
00:51:09,599 --> 00:51:11,668
>> I WOULD ADD TO THAT.

1403
00:51:11,735 --> 00:51:13,270
I THINK THE CLASSES COVERED

1404
00:51:13,336 --> 00:51:14,771
THOROUGHLY HOW WE ALL FEEL ABOUT

1405
00:51:14,838 --> 00:51:16,440
HOW COMPETITIVE THE PROCESS IS,

1406
00:51:16,506 --> 00:51:18,775
HOW AMAZING ALL OF THE OTHER

1407
00:51:18,842 --> 00:51:20,510
CANDIDATES FOR THIS JOB WERE AND

1408
00:51:20,577 --> 00:51:22,946
HOW LUCKY WE ARE TO BE HERE.

1409
00:51:23,013 --> 00:51:24,848
ONE NOTE I WANT TO ADD,

1410
00:51:24,915 --> 00:51:26,316
ESPECIALLY FOR THE VISITING

1411
00:51:26,383 --> 00:51:27,851
GUYS, THINKING ABOUT WHAT YOU

1412
00:51:27,918 --> 00:51:29,085
WANT TO DO GOING FORWARD AS

1413
00:51:29,152 --> 00:51:30,954

MIDDLE COOLERS, THAT'S WHEN WE

1414

00:51:31,021 --> 00:51:32,489

STARTED TO THINK ABOUT WHAT WE

1415

00:51:32,556 --> 00:51:34,391

WANTED TO BE WHEN WE DPRU UP IN

1416

00:51:34,458 --> 00:51:36,193

A SERIOUS WAY, AND FOR ME --

1417

00:51:36,259 --> 00:51:36,993

GREW UP.

1418

00:51:37,060 --> 00:51:39,796

I WANTED TO BE AN NAVAL OFFICER,

1419

00:51:39,863 --> 00:51:41,398

IT WASN'T SUPER SPECIFIC, I

1420

00:51:41,465 --> 00:51:44,134

DIDN'T REALISE I WANTED TO BE AN

1421

00:51:44,201 --> 00:51:45,735

ASTRONAUT UNTIL A FEW YEARS AGO.

1422

00:51:45,802 --> 00:51:48,905

I'VE HAD AMAZING MENTORS IN MY

1423

00:51:48,972 --> 00:51:50,807

LIFE WHO SAW TENSIONS IN ME

1424

00:51:50,874 --> 00:51:52,375

BEFORE I SAW IT.

1425

00:51:52,442 --> 00:51:54,177

THAT'S CAUSED ME WANTING TO GO

1426
00:51:54,244 --> 00:51:56,546
TO ABORIGINE A SUBMARINER AND

1427
00:51:56,613 --> 00:51:57,781
APPLY TO BE AN ASTRONAUT.

1428
00:51:57,848 --> 00:51:59,449
THESE BIG THINGS THAT SEEM

1429
00:51:59,516 --> 00:52:01,318
REALLY INTIMIDATING LIKE WHOEVER

1430
00:52:01,384 --> 00:52:03,286
GETS TO DO THAT, THAT CAN NEVER

1431
00:52:03,353 --> 00:52:04,087
BE ME.

1432
00:52:04,154 --> 00:52:05,388
I THINK WE ALL SOMETIMES HAVE

1433
00:52:05,455 --> 00:52:06,623
THOSE DOUBTS BUT THE IMPORTANT

1434
00:52:06,690 --> 00:52:10,093
THING IS THE ADVICE I GOT FROM

1435
00:52:10,160 --> 00:52:14,564
MY LAST BOSS WHICH WAS IF YOU

1436
00:52:14,631 --> 00:52:16,500
WANT TO BE AN ASTRONAUT YOU

1437
00:52:16,566 --> 00:52:18,468
APPLY AND IF YOU DON'T APPLY YOU

1438
00:52:18,535 --> 00:52:19,236

CAN'T BE ONE.

1439

00:52:19,302 --> 00:52:21,071

FOR A LOT OF US TALKING ABOUT

1440

00:52:21,137 --> 00:52:22,639

THE NUMBER OF TIMES WE APPLIED

1441

00:52:22,706 --> 00:52:24,341

TO BE HERE OR WHETHER IT WAS OUR

1442

00:52:24,407 --> 00:52:26,610

FIRST TIME OR NOT, IF YOU DON'T

1443

00:52:26,676 --> 00:52:27,911

GO FOR IT, YOU WILL NEVER GET

1444

00:52:27,978 --> 00:52:28,678

THE CALL.

1445

00:52:28,745 --> 00:52:30,247

I THINK THE FLIGHT DIRECTORS

1446

00:52:30,313 --> 00:52:34,584

PROBABLY FEEL THE SAME WAY.

1447

00:52:34,651 --> 00:52:35,352

I DON'T KNOW THE EXACT NUMBERS B

1448

00:52:35,418 --> 00:52:36,820

BUT THERE HAS BEEN FAR FEWER

1449

00:52:36,887 --> 00:52:39,389

FLIGHT DIRECTORS THAN THERE RR

1450

00:52:39,456 --> 00:52:39,789

ASTRONAUTS.

1451

00:52:39,856 --> 00:52:41,591

IT IS A BIG THING TO PUT

1452

00:52:41,658 --> 00:52:42,592

YOURSELF OUT THERE TO DO

1453

00:52:42,659 --> 00:52:44,160

SOMETHING BIG BUT IF YOU DON'T

1454

00:52:44,227 --> 00:52:48,532

DO IT, YOU WILL NEVER GET THE

1455

00:52:48,598 --> 00:52:48,865

CHANCE.

1456

00:52:48,932 --> 00:52:51,902

>>> ANYBODY ELSE?

1457

00:52:51,968 --> 00:52:55,238

>> I'D SAY AS FRANK SAID, A

1458

00:52:55,305 --> 00:52:57,474

WHITE RANGE OF EMOTIONS WHEN I

1459

00:52:57,541 --> 00:52:59,009

FOUND OUT.

1460

00:52:59,075 --> 00:53:00,176

CERTAINLY AN OVERWHELMING

1461

00:53:00,243 --> 00:53:01,711

FEELING OF EXCITEMENT AND

1462

00:53:01,778 --> 00:53:03,446

AMAZING OPPORTUNITY TO HAVE A

1463

00:53:03,513 --> 00:53:05,582

PLATFORM AS BAYING AS NASA TO

1464

00:53:05,649 --> 00:53:09,152

CONTRIBUTE TO THE ADVANCEMENT OF

1465

00:53:09,219 --> 00:53:10,353

OUR SPECIES.

1466

00:53:10,420 --> 00:53:12,789

I WOULD SAY THERE'S ONE EMOTION

1467

00:53:12,856 --> 00:53:16,593

THAT I WASN'T EXPECTING AND IT

1468

00:53:16,660 --> 00:53:19,162

WAS - I DON'T KNOW IF "GUILT",

1469

00:53:19,229 --> 00:53:22,232

IS THE RIGHT WORD, BUT MAYBE A

1470

00:53:22,299 --> 00:53:23,767

LITTLE BIT OF GUILT BECAUSE

1471

00:53:23,833 --> 00:53:25,335

DURING THE SELECTION PROCESS

1472

00:53:25,402 --> 00:53:27,270

YOU'RE EMBEDDED WITH AMAZING

1473

00:53:27,337 --> 00:53:29,539

PEOPLE WHO CAN DO JUST AS GOOD

1474

00:53:29,606 --> 00:53:31,474

IF NOT BETTER OF A JOB THAN YOU

1475

00:53:31,541 --> 00:53:33,710

AND KNOWING THAT THIS IS A DREAM

1476
00:53:33,777 --> 00:53:35,478
THAT'S SHARED BY THOUSANDS OF

1477
00:53:35,545 --> 00:53:37,714
PEOPLE AND WE'RE JUST THE

1478
00:53:37,781 --> 00:53:39,916
AMBASSADORS THAT HAVE THE

1479
00:53:39,983 --> 00:53:43,587
OPPORTUNITY TO FULFIL THIS

1480
00:53:43,653 --> 00:53:43,920
MISSION.

1481
00:53:43,987 --> 00:53:46,389
THAT WAS AN EMOTION I WASN'T

1482
00:53:46,456 --> 00:53:46,756
EXPECTING.

1483
00:53:46,823 --> 00:53:48,325
>>> THAT'S AN AMAZING

1484
00:53:48,391 --> 00:53:48,758
PERSPECTIVE.

1485
00:53:48,825 --> 00:53:51,161
THE IDEA THAT YOU GO THROUGH THE

1486
00:53:51,227 --> 00:53:53,530
PROCESS YOU GET TO KNOW HE MEAN

1487
00:53:53,597 --> 00:53:57,000
AND NOT EVERYONE KNOWS ABOUT IT

1488
00:53:57,067 --> 00:54:00,537

AND WHEN YOU DON'T GET SELECTED

1489

00:54:00,604 --> 00:54:02,505

IT IS NOT A PERSPECTIVE I

1490

00:54:02,572 --> 00:54:03,106

HAVEN'T HEARD.

1491

00:54:03,173 --> 00:54:05,141

>> THE BEST WAY TO PAY THAT PACK

1492

00:54:05,208 --> 00:54:06,876

IS TO START TO REMEMBER THAT AND

1493

00:54:06,943 --> 00:54:10,780

DO THE BEST SHOT WE CAN.

1494

00:54:10,847 --> 00:54:12,582

>>> WE'RE GOING TO GO TO A TIME

1495

00:54:12,649 --> 00:54:14,985

QUESTION HERE ON SOCIAL MEDIA.

1496

00:54:15,051 --> 00:54:17,253

WE HAVE TIME FOR MAYBE ONE

1497

00:54:17,320 --> 00:54:17,887

APPEARS ON THIS.

1498

00:54:17,954 --> 00:54:19,289

IF YOU REALLY HAVE A GOOD ANSWER

1499

00:54:19,356 --> 00:54:21,324

OR YOU WANT TO BE THE PERSON, GO

1500

00:54:21,391 --> 00:54:22,726

AHEAD AND MAKE IT KNOWN.

1501
00:54:22,792 --> 00:54:25,595
IF NOT, I'M GOING TO DIME

1502
00:54:25,662 --> 00:54:26,029
SOMEBODY OUT.

1503
00:54:26,096 --> 00:54:28,164
WHAT RESEARCH DO YOU HOPE TO BE

1504
00:54:28,231 --> 00:54:30,100
INVOLVED WITH IN MICRO GRAVITY

1505
00:54:30,166 --> 00:54:35,138
THAT WILL HELP US GET ON -- HELP

1506
00:54:35,205 --> 00:54:38,074
US ON EARTH?

1507
00:54:38,141 --> 00:54:39,442
>> I'LL TAKE THAT.

1508
00:54:39,509 --> 00:54:41,077
I THINK ONE OF THE MOST EXCITING

1509
00:54:41,144 --> 00:54:42,245
PARTS OF BEING INVOLVED IN THE

1510
00:54:42,312 --> 00:54:44,347
SPACE PROGRAM IS GETTING TO DO

1511
00:54:44,414 --> 00:54:47,150
RESEARCH THAT HELPS EARTH AS A

1512
00:54:47,217 --> 00:54:47,450
WHOLE.

1513
00:54:47,517 --> 00:54:49,452

EVERYTHING FROM HOW DO WE COMBAT

1514

00:54:49,519 --> 00:54:52,722

BONE DENSITY LOSS TO HOW DO WE

1515

00:54:52,789 --> 00:54:55,692

PREVENT THE EFFECTS OF RADIATION

1516

00:54:55,759 --> 00:54:58,161

TO HOW DO WE DO REALLY EFFICIENT

1517

00:54:58,228 --> 00:55:00,630

WASTE WATER RECYCLING.

1518

00:55:00,697 --> 00:55:02,399

EVERY TECHNOLOGY THAT WE DEVELOP

1519

00:55:02,465 --> 00:55:05,235

FOR SPACE EXPLORATION HAS SOME

1520

00:55:05,301 --> 00:55:06,302

APPLICATION BACK HERE ON EARTH,

1521

00:55:06,369 --> 00:55:08,938

AND TO BE A PART OF A RESEARCH

1522

00:55:09,005 --> 00:55:10,607

PROJECT THAT IS SO MANY MUCH

1523

00:55:10,674 --> 00:55:12,242

BIGGER THAN ANY OF THE RESEARCH

1524

00:55:12,308 --> 00:55:13,943

THAT I DID AS AN INDIVIDUAL

1525

00:55:14,010 --> 00:55:15,545

BEFORE, THAT'S AMAZING.

1526
00:55:15,612 --> 00:55:18,114
>>> THAT'S A LOT OF THINGS THAT

1527
00:55:18,181 --> 00:55:19,315
REALLY HAVE VERY LITTLE TO DO

1528
00:55:19,382 --> 00:55:21,384
WITH SPACE EXPLORATION AT ALL,

1529
00:55:21,451 --> 00:55:22,886
THAT WOULD HAVE BENEFITS ON

1530
00:55:22,952 --> 00:55:24,921
EARTH, AND I WAS TALKING TO A

1531
00:55:24,988 --> 00:55:26,656
GENTLEMAN JUST A FEW MONTHS AGO

1532
00:55:26,723 --> 00:55:28,091
WHO OWNS AND OPERATES A COMPANY

1533
00:55:28,158 --> 00:55:31,494
THAT IS DOING RESEARCH ON THE

1534
00:55:31,561 --> 00:55:32,962
INTERNATIONAL STATION STATION.

1535
00:55:33,029 --> 00:55:35,598
-- SPACE STATION. THEY'RE USING

1536
00:55:35,665 --> 00:55:38,702
ADULT STEM CELLS TO PRINT IN 3D

1537
00:55:38,768 --> 00:55:39,569
HUMAN ORGANS THAT WILL BE USED

1538
00:55:39,636 --> 00:55:40,270

ON EARTH.

1539

00:55:40,336 --> 00:55:42,806

ALL OF THIS IS VERY

1540

00:55:42,872 --> 00:55:44,040

EXPERIMENTAL, BUT THEY'RE HIGHLY

1541

00:55:44,107 --> 00:55:45,175

CONFIDENT THAT THIS IS GOING TO

1542

00:55:45,241 --> 00:55:46,209

BE A FAME CHANGER.

1543

00:55:46,276 --> 00:55:49,846

YOU CAN DO THINGS IN A MICRO

1544

00:55:49,913 --> 00:55:53,316

GRAVITY ENVIRPT, ZERO GRAVITY

1545

00:55:53,383 --> 00:55:54,451

ENVIRPT, THAT YOU CAN'T DO HERE

1546

00:55:54,517 --> 00:55:59,622

ON EARTH -- ENVIRONMENT.

1547

00:55:59,689 --> 00:56:01,691

SOME OF THESE ASTRONAUTS TO WORK

1548

00:56:01,758 --> 00:56:03,560

ON THOSE, THAT'S WHAT WE'VE BEEN

1549

00:56:03,626 --> 00:56:05,595

DOING FROM THE BEGINNING FROM

1550

00:56:05,662 --> 00:56:07,731

ALL OF THE ACTIVITIES FROM FIRST

1551
00:56:07,797 --> 00:56:12,702
SIGNS TO PLANETRY SCIENCE, ASTRO

1552
00:56:12,769 --> 00:56:13,036
PHYSICS.

1553
00:56:13,103 --> 00:56:14,137
IT HAS BEEN AMAZING.

1554
00:56:14,204 --> 00:56:16,673
WE'RE GOING TO CLOSE HERE.

1555
00:56:16,740 --> 00:56:17,640
THANK YOU FOR THAT WONDERFUL

1556
00:56:17,707 --> 00:56:17,974
ANSWER.

1557
00:56:18,041 --> 00:56:19,342
I JUST WANT TO GET A SHOW OF

1558
00:56:19,409 --> 00:56:21,611
HANDS IF YOU'RE WILLING, RAISE

1559
00:56:21,678 --> 00:56:22,412
YOUR HAND IF YOU'RE INTERESTED

1560
00:56:22,479 --> 00:56:25,782
IN GOING TO THE MOON OR MARS.

1561
00:56:25,849 --> 00:56:27,317
LOOK AT THESE YOUNG FOLKS.

1562
00:56:27,383 --> 00:56:31,588
WHAT ARE YOU WORRIED ABOUT?

1563
00:56:31,654 --> 00:56:32,756

THEY'RE, LIKE, NO, I DON'T WANT

1564

00:56:32,822 --> 00:56:34,724

TO TOUCH THAT, BUT IT IS COOL

1565

00:56:34,791 --> 00:56:35,291

THEY'RE GOING.

1566

00:56:35,358 --> 00:56:36,526

THAT'S OKAY.

1567

00:56:36,593 --> 00:56:38,061

THEY NEED PEOPLE TO HELP THEM ON

1568

00:56:38,128 --> 00:56:39,429

THE GROUND AS WELL.

1569

00:56:39,496 --> 00:56:45,435

I SEE YOU RAIDS YOUR HAND

1570

00:56:45,502 --> 00:56:45,935

ENTHUSIASTICALLY.

1571

00:56:46,002 --> 00:56:46,503

YOU'RE READY TO GO.

1572

00:56:46,569 --> 00:56:47,637

WE HAVE TO CLOSE OUT THIS SHOW.

1573

00:56:47,704 --> 00:56:49,572

I WANT TO SAY THANK YOU FOR THE

1574

00:56:49,639 --> 00:56:51,841

AUDIENCE, BOTH ON LINE AND ON

1575

00:56:51,908 --> 00:56:53,777

NASA TV AND THE AUDIENCE THAT

1576

00:56:53,843 --> 00:56:54,844

SHOWED UP HERE TODAY.

1577

00:56:54,911 --> 00:56:56,112

THANK YOU FOR PARTICIPATING.

1578

00:56:56,179 --> 00:56:57,313

I THINK THIS HAS BEEN A GREAT

1579

00:56:57,380 --> 00:56:58,615

OPPORTUNITY TO GET TO KNOW SOME

1580

00:56:58,681 --> 00:57:01,251

OF AMERICA'S PROUDEST, SOME OF

1581

00:57:01,317 --> 00:57:03,186

CANADA'S PROUDEST, SO WE CAN

1582

00:57:03,253 --> 00:57:05,421

PREPARE FOR THE NEXT STEP, THE

1583

00:57:05,488 --> 00:57:08,024

NEXT GENERATION OF WHAT THE

1584

00:57:08,091 --> 00:57:10,026

UNITED STATES AND CANADA AND ALL

1585

00:57:10,093 --> 00:57:11,227

OF OUR INTERNATIONAL PARTNERS

1586

00:57:11,294 --> 00:57:12,495

ARE ABOUT TO DO IN SPACE.

1587

00:57:12,562 --> 00:57:14,164

THANK YOU FOR PARTICIPATING,

1588

00:57:14,230 --> 00:57:15,498

THANK YOU TO THE ASTRONAUT

1589

00:57:15,565 --> 00:57:17,433

CANDIDATES. WE ARE GOING TO

1590

00:57:17,500 --> 00:57:18,902

ANXIOUSLY ANTICIPATE LOOKING

1591

00:57:18,968 --> 00:57:21,271

FORWARD TO YOU NOT JUST BEING

1592

00:57:21,337 --> 00:57:25,475

ASTRONAUT CANDIDATES BUT NO KID

1593

00:57:25,542 --> 00:57:26,676

KIDDING DOING YOUR MISSION AND

1594

00:57:26,743 --> 00:57:28,278

WE WILL FOLLOW YOU ALL THE WAY.

1595

00:57:28,344 --> 00:57:29,879

THANK YOU FOR PARTICIPATING.

1596

00:57:29,946 --> 00:57:30,613

THANK YOU FOR WATCHING.

1597

00:57:30,680 --> 00:57:32,015

WATCH THIS SPACE.

1598

00:57:32,081 --> 00:57:34,717

I'M THE NASA ADMINISTRATOR

1599

00:57:34,784 --> 00:57:35,819

JIM BRIDENSTINE AND

1600

00:57:35,885 --> 00:57:36,820

WE WILL SEE YOU NEXT TIME.

1601

00:57:36,886 --> 00:57:38,087

THANK YOU SO MUCH.