



**PAST, PRESENT, AND FUTURE  
OF  
WOMEN IN SPACE**

1  
00:00:01,000 --> 00:00:16,015  
[ MUSIC ]

2  
00:00:55,922 --> 00:00:58,057  
>> JOIN US, AS NASA HONORS...

3  
00:01:05,932 --> 00:01:06,833  
WELCOME.

4  
00:01:06,833 --> 00:01:08,568  
I'M DR. CHRISTYL JOHNSON.

5  
00:01:08,568 --> 00:01:10,136  
I AM HONORED TO BE A PART OF

6  
00:01:10,136 --> 00:01:11,738  
NASA'S WOMEN'S EQUALITY

7  
00:01:11,738 --> 00:01:13,506  
DAY CELEBRATION.

8  
00:01:13,506 --> 00:01:14,374  
THIS YEAR MARKS

9  
00:01:14,374 --> 00:01:16,676  
THE 100 YEAR ANNIVERSARY

10  
00:01:16,676 --> 00:01:17,911  
OF THE RATIFICATION OF

11  
00:01:17,911 --> 00:01:19,779  
THE 19th AMENDMENT GIVING

12  
00:01:19,779 --> 00:01:21,981  
WOMEN THE RIGHT TO VOTE.

13  
00:01:21,981 --> 00:01:23,483

WE'VE COME A LONG WAY

14

00:01:23,483 --> 00:01:24,918  
OVER THE PAST CENTURY,

15

00:01:24,918 --> 00:01:27,053  
AND NASA CONTINUES TO WORK

16

00:01:27,053 --> 00:01:28,655  
TO ELEVATE WOMEN AND GIRLS

17

00:01:28,655 --> 00:01:30,223  
IN THE STEM FIELDS.

18

00:01:30,223 --> 00:01:31,524  
WE NEED TO NOT ONLY EQUIP

19

00:01:31,524 --> 00:01:33,092  
WOMEN WITH THE SKILLS,

20

00:01:33,092 --> 00:01:34,861  
BUT ALSO ENCOURAGEMENT,

21

00:01:34,861 --> 00:01:36,830  
INSPIRATION, AND THE CHANCE

22

00:01:36,830 --> 00:01:38,364  
TO TELL THEIR STORIES.

23

00:01:38,364 --> 00:01:39,666  
SO BEFORE WE GET STARTED,

24

00:01:39,666 --> 00:01:40,233  
I JUST WANT TO

25

00:01:40,233 --> 00:01:41,267  
SHARE WITH YOU WHO WE'RE

26

00:01:41,267 --> 00:01:42,869

GONNA BE TALKING TO TODAY.

27

00:01:42,869 --> 00:01:44,537

SO FIRST, WE HAVE CLARA MA.

28

00:01:44,537 --> 00:01:46,072

HI, CLARA!

29

00:01:46,072 --> 00:01:48,208

>> HEY.

30

00:01:48,208 --> 00:01:49,209

>> SO CLARA WAS THE WINNER

31

00:01:49,209 --> 00:01:51,010

OF NASA'S CURIO-- CURIOSITY

32

00:01:51,010 --> 00:01:53,112

ROVER NAMING CONTEST AND WE'RE

33

00:01:53,112 --> 00:01:54,180

HAPPY TO HAVE YOU WITH US

34

00:01:54,180 --> 00:01:55,748

HERE, CLARA, TODAY.

35

00:01:55,748 --> 00:01:57,050

ALSO WE HAVE ASTRONAUT

36

00:01:57,050 --> 00:01:58,218

STEPHANIE WILSON.

37

00:01:58,218 --> 00:02:00,487

HEY THERE, STEPHANIE!

38

00:02:00,487 --> 00:02:02,589

>> HELLO!

39

00:02:02,589 --> 00:02:03,690

>> STEPHANIE IS A VETERAN

40

00:02:03,690 --> 00:02:05,325

OF THREE SPACE FLIGHTS

41

00:02:05,325 --> 00:02:06,092

AND HAS LOGGED MORE THAN

42

00:02:06,092 --> 00:02:08,962

42 DAYS IN SPACE!

43

00:02:08,962 --> 00:02:09,662

I KNOW THAT YOU HAVE

44

00:02:09,662 --> 00:02:10,730

LOTS OF QUESTIONS FOR

45

00:02:10,730 --> 00:02:11,998

STEPHANIE AND I CAN'T WAIT

46

00:02:11,998 --> 00:02:13,433

FOR US TO GET SOME INSIGHT

47

00:02:13,433 --> 00:02:15,435

FROM HER AND HEAR HER THOUGHTS

48

00:02:15,435 --> 00:02:16,569

ABOUT WHAT THE FUTURE

49

00:02:16,569 --> 00:02:18,605

LOOKS LIKE IN TERMS OF SPACE!

50

00:02:18,605 --> 00:02:19,539

AND ALSO WE HAVE

51  
00:02:19,539 --> 00:02:21,140  
CHARLIE BLACKWELL-THOMPSON.

52  
00:02:21,140 --> 00:02:22,742  
HI, CHARLIE!

53  
00:02:22,742 --> 00:02:25,945  
>> HI!

54  
00:02:25,945 --> 00:02:26,779  
>> SO CHARLIE IS

55  
00:02:26,779 --> 00:02:28,214  
THE ARTEMIS LAUNCH DIRECTOR

56  
00:02:28,214 --> 00:02:29,415  
IN NASA'S EXPLORATION

57  
00:02:29,415 --> 00:02:31,050  
GROUND SYSTEM PROGRAM.

58  
00:02:31,050 --> 00:02:31,684  
AND THAT'S BASED AT

59  
00:02:31,684 --> 00:02:32,886  
KENNEDY SPACE FLIGHT CENTER

60  
00:02:32,886 --> 00:02:33,953  
IN FLORIDA.

61  
00:02:33,953 --> 00:02:35,889  
HEY THERE!

62  
00:02:35,889 --> 00:02:36,322  
ALL RIGHT,

63  
00:02:36,322 --> 00:02:37,457

SO NOW WE'RE GONNA TALK TO

64

00:02:37,457 --> 00:02:38,791

EVERYONE IN JUST A MOMENT.

65

00:02:38,791 --> 00:02:40,059

BUT BEFORE WE DO THAT,

66

00:02:40,059 --> 00:02:40,827

LET'S HEAR A WORD FROM

67

00:02:40,827 --> 00:02:42,729

OUR NASA ADMINISTRATOR,

68

00:02:42,729 --> 00:02:44,898

JIM BRIDENSTINE.

69

00:02:44,898 --> 00:02:46,065

>> I AM HAPPY TO BE PART OF

70

00:02:46,065 --> 00:02:47,834

NASA'S WOMEN'S EQUALITY

71

00:02:47,834 --> 00:02:49,469

DAY CELEBRATION.

72

00:02:49,469 --> 00:02:50,003

TODAY MARKS

73

00:02:50,003 --> 00:02:51,337

THE 100th ANNIVERSARY

74

00:02:51,337 --> 00:02:52,071

OF THE PASSAGE OF THE

75

00:02:52,071 --> 00:02:54,107

19th AMENDMENT GUARANTEEING

76

00:02:54,107 --> 00:02:55,174  
AND PROTECTING WOMEN'S

77

00:02:55,174 --> 00:02:57,844  
CONSTITUTIONAL RIGHT TO VOTE.

78

00:02:57,844 --> 00:02:59,245  
OUR PROGRAM TODAY REFLECTS

79

00:02:59,245 --> 00:03:00,446  
UPON THE CONTRIBUTIONS

80

00:03:00,446 --> 00:03:01,981  
OF WOMEN PIONEERS

81

00:03:01,981 --> 00:03:02,949  
BY USING THE PURPLE,

82

00:03:02,949 --> 00:03:03,983  
WHITE, AND GOLD

83

00:03:03,983 --> 00:03:05,785  
SUFFRAGETTE COLORS.

84

00:03:05,785 --> 00:03:06,786  
WE ALSO CELEBRATE

85

00:03:06,786 --> 00:03:09,022  
THE FIRSTS OF WOMEN IN SPACE,

86

00:03:09,022 --> 00:03:11,190  
NASA WOMEN TODAY, AND THE NEXT

87

00:03:11,190 --> 00:03:13,159  
GENERATION OF EXPLORERS.

88

00:03:13,159 --> 00:03:15,094

ETCHED IN NASA'S HISTORY

89

00:03:15,094 --> 00:03:16,462  
ARE HARDWORKING WOMEN WHOSE

90

00:03:16,462 --> 00:03:17,697  
CONTRIBUTIONS HAVE HELPED

91

00:03:17,697 --> 00:03:19,499  
ADVANCE EVERY FIELD OF

92

00:03:19,499 --> 00:03:21,434  
SCIENCE AND TECHNOLOGY.

93

00:03:21,434 --> 00:03:22,869  
THE ARTEMIS PROGRAM'S

94

00:03:22,869 --> 00:03:24,704  
WOMAN ON THE MOON IMAGE

95

00:03:24,704 --> 00:03:26,372  
SEEKS TO HONOR THESE WOMEN,

96

00:03:26,372 --> 00:03:27,807  
PAST AND PRESENT,

97

00:03:27,807 --> 00:03:28,841  
AND INSPIRE THE WOMEN

98

00:03:28,841 --> 00:03:29,709  
OF THE FUTURE TO

99

00:03:29,709 --> 00:03:32,612  
SEE THEMSELVES IN HER.

100

00:03:32,612 --> 00:03:34,147  
I HAVE A YOUNG DAUGHTER,

101  
00:03:34,147 --> 00:03:36,416  
AND I WANT HER TO SEE HERSELF

102  
00:03:36,416 --> 00:03:38,084  
AS HAVING THE SAME OPPORTUNITIES

103  
00:03:38,084 --> 00:03:39,986  
I SAW MYSELF AS HAVING

104  
00:03:39,986 --> 00:03:41,988  
WHEN I WAS HER AGE.

105  
00:03:41,988 --> 00:03:43,523  
WITH FOOTPRINTS ON THE MOON,

106  
00:03:43,523 --> 00:03:44,857  
I GREW UP KNOWING THAT

107  
00:03:44,857 --> 00:03:47,126  
THE SKY IS NOT THE LIMIT.

108  
00:03:47,126 --> 00:03:48,761  
AND IN A FEW SHORT YEARS,

109  
00:03:48,761 --> 00:03:49,629  
WHEN THE FIRST WOMAN

110  
00:03:49,629 --> 00:03:51,164  
STEPS ONTO THE MOON,

111  
00:03:51,164 --> 00:03:52,632  
MY HOPE IS THAT MY DAUGHTER

112  
00:03:52,632 --> 00:03:54,500  
WILL RECOGNIZE THAT WE NEED

113  
00:03:54,500 --> 00:03:56,869

## HER CONTRIBUTIONS TO EXPLORING

114

00:03:56,869 --> 00:03:59,906

OUR SOLAR SYSTEM JUST AS MUCH.

115

00:03:59,906 --> 00:04:02,408

RECENTLY, WE ADDED INCLUSION

116

00:04:02,408 --> 00:04:03,710

AS ONE OF OUR AGENCY'S

117

00:04:03,710 --> 00:04:05,011

CORE VALUES.

118

00:04:05,011 --> 00:04:07,246

INCLUSION OF ALL IS

119

00:04:07,246 --> 00:04:09,248

PARAMOUNT TO INNOVATION.

120

00:04:09,248 --> 00:04:10,650

NASA'S ABILITY TO PRODUCE

121

00:04:10,650 --> 00:04:12,385

NEXT GENERATION SCIENCE,

122

00:04:12,385 --> 00:04:13,853

TECHNOLOGY, AND LAND

123

00:04:13,853 --> 00:04:15,121

THE FIRST WOMAN AND THE NEXT MAN

124

00:04:15,121 --> 00:04:17,090

ON THE MOON BY 2024

125

00:04:17,090 --> 00:04:18,658

DEPEND ON OUR SUCCESS

126  
00:04:18,658 --> 00:04:20,994  
TO EMPOWER ALL OF AMERICA

127  
00:04:20,994 --> 00:04:22,629  
TO COME WITH US.

128  
00:04:22,629 --> 00:04:23,830  
THE TALENTED WOMEN AND MEN

129  
00:04:23,830 --> 00:04:25,398  
OF NASA TODAY FILL ME WITH

130  
00:04:25,398 --> 00:04:27,266  
CONFIDENCE AND HOPE THAT

131  
00:04:27,266 --> 00:04:28,067  
WE WILL NOT ONLY

132  
00:04:28,067 --> 00:04:29,569  
ACCOMPLISH OUR MISSION,

133  
00:04:29,569 --> 00:04:31,270  
BUT ALSO ENABLE INDIVIDUALS

134  
00:04:31,270 --> 00:04:32,905  
OF ALL BACKGROUNDS

135  
00:04:32,905 --> 00:04:34,941  
TO ACHIEVE THEIR DREAMS.

136  
00:04:34,941 --> 00:04:36,609  
TODAY, LET'S CELEBRATE

137  
00:04:36,609 --> 00:04:38,344  
THE WOMEN OF THE PAST,

138  
00:04:38,344 --> 00:04:39,946

RECOGNIZE THE TALENTED,

139

00:04:39,946 --> 00:04:41,114

IRREPLACEABLE WOMEN

140

00:04:41,114 --> 00:04:42,448

WORKING AMONG US,

141

00:04:42,448 --> 00:04:44,150

AND RENEW OUR COMMITMENT TO

142

00:04:44,150 --> 00:04:45,551

HELP YOUNG WOMEN OF THE FUTURE

143

00:04:45,551 --> 00:04:48,521

REACH FOR THE STARS.

144

00:04:48,521 --> 00:04:49,922

>> SO TODAY'S CELEBRATION

145

00:04:49,922 --> 00:04:50,823

NOT ONLY COMMEMORATES

146

00:04:50,823 --> 00:04:51,524

THE PASSAGE OF

147

00:04:51,524 --> 00:04:52,659

THE 19th AMENDMENT,

148

00:04:52,659 --> 00:04:54,927

BUT ALSO CALLS ATTENTION TO

149

00:04:54,927 --> 00:04:56,596

WOMEN CONTINUING THE EFFORTS

150

00:04:56,596 --> 00:04:58,598

TOWARDS FULL EQUALITY.

151  
00:04:58,598 --> 00:05:00,199  
UM, IT REALLY WARMS MY HEART

152  
00:05:00,199 --> 00:05:01,834  
TO HEAR THE WORDS THAT YOU JUST

153  
00:05:01,834 --> 00:05:03,436  
HEARD FROM OUR ADMINISTRATOR,

154  
00:05:03,436 --> 00:05:05,738  
OUR LEADER OF OUR AGENCY.

155  
00:05:05,738 --> 00:05:07,340  
UM, OUR AGENCY HAS-

156  
00:05:07,340 --> 00:05:09,075  
HAS DONE A GREAT JOB

157  
00:05:09,075 --> 00:05:11,611  
IN WORKING TOWARDS DIVERSITY

158  
00:05:11,611 --> 00:05:14,380  
AND INCLUSION FOR WOMEN AND ALL.

159  
00:05:14,380 --> 00:05:15,848  
AND THAT MAKES THIS PLACE

160  
00:05:15,848 --> 00:05:17,450  
A WONDERFUL PLACE TO BE AS WE

161  
00:05:17,450 --> 00:05:19,352  
GET EXCITED ABOUT THE FUTURE

162  
00:05:19,352 --> 00:05:21,287  
OF OUR AGENCY'S MISSION.

163  
00:05:21,287 --> 00:05:22,989

UM, WE HAVE SO MANY EXAMPLES

164

00:05:22,989 --> 00:05:24,857  
TO CELEBRATE IN TERMS OF

165

00:05:24,857 --> 00:05:26,526  
FIRSTS FOR WOMEN, UH,

166

00:05:26,526 --> 00:05:28,027  
WITHIN OUR AGENCY.

167

00:05:28,027 --> 00:05:29,095  
AND WE'LL TALK ABOUT A FEW

168

00:05:29,095 --> 00:05:30,730  
OF THOSE HERE TODAY.

169

00:05:30,730 --> 00:05:32,131  
JUST SO THAT YOU UNDERSTAND,

170

00:05:32,131 --> 00:05:33,533  
THIS DIALOGUE AND THIS

171

00:05:33,533 --> 00:05:34,634  
PANEL DISCUSSION THAT

172

00:05:34,634 --> 00:05:35,902  
WE'RE GONNA HAVE HERE,

173

00:05:35,902 --> 00:05:37,270  
THERE HAVE BEEN SO MANY OF YOU

174

00:05:37,270 --> 00:05:38,104  
OUT THERE THAT HAVE BEEN

175

00:05:38,104 --> 00:05:40,640  
EXCITED TO GIVE US QUESTIONS.

176  
00:05:40,640 --> 00:05:41,874  
AND SO THE DIALOGUE

177  
00:05:41,874 --> 00:05:42,942  
THAT YOU'RE GONNA SEE--

178  
00:05:42,942 --> 00:05:43,776  
YOU WILL SEE PEOPLE

179  
00:05:43,776 --> 00:05:45,511  
ASKING QUESTIONS OF OUR

180  
00:05:45,511 --> 00:05:46,746  
PANEL MEMBERS HERE

181  
00:05:46,746 --> 00:05:47,714  
FROM THE OUTSIDE

182  
00:05:47,714 --> 00:05:48,881  
AND YOU'LL SEE SOME OF US

183  
00:05:48,881 --> 00:05:50,783  
BEING ABLE TO SHARE AS WELL.

184  
00:05:50,783 --> 00:05:52,218  
SO I'M SO EXCITED

185  
00:05:52,218 --> 00:05:53,986  
TO BE HERE AS A PART OF THIS

186  
00:05:53,986 --> 00:05:54,921  
TO COMMEMORATE,

187  
00:05:54,921 --> 00:05:55,955  
TO CELEBRATE THE PAST

188  
00:05:55,955 --> 00:05:57,724

## ACCOMPLISHMENTS OF WOMEN THAT

189

00:05:57,724 --> 00:05:59,525

HAVE HELPED US GET HERE TODAY,

190

00:05:59,525 --> 00:06:00,526

HEAR FROM OUR PANELISTS THEIR

191

00:06:00,526 --> 00:06:02,795

STORIES ABOUT WHO AND WHAT

192

00:06:02,795 --> 00:06:04,630

INSPIRED THEM, AND LISTEN TO

193

00:06:04,630 --> 00:06:05,898

THEIR PERSPECTIVES ON WHAT

194

00:06:05,898 --> 00:06:07,734

WILL GET US TO THE FUTURE.

195

00:06:07,734 --> 00:06:08,735

AND SO FIRST, WE'RE GONNA

196

00:06:08,735 --> 00:06:09,869

START BY THINKING ABOUT

197

00:06:09,869 --> 00:06:12,071

THE PAST AND REFLECTING ON

198

00:06:12,071 --> 00:06:13,706

WHERE WE HAVE BEEN TO GET US

199

00:06:13,706 --> 00:06:15,408

TO WHERE WE ARE TODAY.

200

00:06:15,408 --> 00:06:16,509

UM, A FEW OF THE FIRSTS

201  
00:06:16,509 --> 00:06:18,277  
THAT WE'VE CELEBRATED,

202  
00:06:18,277 --> 00:06:19,545  
MARY W. JACKSON

203  
00:06:19,545 --> 00:06:21,247  
WAS THE FIRST NASA

204  
00:06:21,247 --> 00:06:23,549  
BLACK FEMALE ENGINEER.

205  
00:06:23,549 --> 00:06:24,717  
AND FOR ME, THAT'S VERY,

206  
00:06:24,717 --> 00:06:26,285  
VERY EXCITING BECAUSE AS

207  
00:06:26,285 --> 00:06:27,987  
A BLACK FEMALE ENGINEER,

208  
00:06:27,987 --> 00:06:28,988  
I WOULD NEVER HAVE

209  
00:06:28,988 --> 00:06:30,189  
BEEN ABLE TO ACHIEVE

210  
00:06:30,189 --> 00:06:31,991  
WHERE I'VE GOTTEN TODAY

211  
00:06:31,991 --> 00:06:34,427  
HAD IT NOT BEEN FOR MARY JACKSON

212  
00:06:34,427 --> 00:06:35,862  
TAKING THAT FIRST STEP

213  
00:06:35,862 --> 00:06:37,263

AND GETTING OUR WOMEN

214

00:06:37,263 --> 00:06:38,564  
TO THAT PLACE.

215

00:06:38,564 --> 00:06:39,966  
ALSO, WE HAD ASTRONAUT

216

00:06:39,966 --> 00:06:41,234  
PEGGY WHITSON BEING

217

00:06:41,234 --> 00:06:43,069  
THE FIRST FEMALE COMMANDER OF

218

00:06:43,069 --> 00:06:44,871  
THE INTERNATIONAL SPACE STATION

219

00:06:44,871 --> 00:06:45,872  
AND THE FIRST WOMAN TO

220

00:06:45,872 --> 00:06:47,140  
COMMAND THE INTERNATIONAL

221

00:06:47,140 --> 00:06:49,108  
SPACE STATION TWICE.

222

00:06:49,108 --> 00:06:50,209  
SHE'S THE OLDEST WOMAN

223

00:06:50,209 --> 00:06:52,812  
TO GO TO SPACE AT AGE 56.

224

00:06:52,812 --> 00:06:54,213  
AND DR. ELLEN OCHOA,

225

00:06:54,213 --> 00:06:55,248  
WHO WAS THE FIRST HISPANIC

226

00:06:55,248 --> 00:06:57,383

WOMAN TO GO TO SPACE.

227

00:06:57,383 --> 00:06:59,285

UM, WE ALSO HAD SHANNON WALKER,

228

00:06:59,285 --> 00:07:00,219

WHO WAS THE FIRST FEMALE

229

00:07:00,219 --> 00:07:01,821

ASTRONAUT TO VOTE FROM

230

00:07:01,821 --> 00:07:04,023

THE INTERNATIONAL SPACE STATION.

231

00:07:04,023 --> 00:07:06,659

AND ASTRONAUT MAE JEMISON

232

00:07:06,659 --> 00:07:08,294

WAS THE FIRST BLACK WOMAN

233

00:07:08,294 --> 00:07:09,962

TO TRAVEL INTO SPACE.

234

00:07:09,962 --> 00:07:10,797

AND I WOULD LOVE TO

235

00:07:10,797 --> 00:07:12,298

HEAR FROM YOU, STEPHANIE,

236

00:07:12,298 --> 00:07:14,066

WHAT THAT MEANS TO YOU

237

00:07:14,066 --> 00:07:14,967

IN TERMS OF HAVING

238

00:07:14,967 --> 00:07:17,003

SOMETHING LIKE THAT HAPPEN.

239

00:07:17,003 --> 00:07:18,070

>> WELL, THANK YOU, CHRISTYL.

240

00:07:18,070 --> 00:07:19,572

IT'S, UH, AWESOME THAT,

241

00:07:19,572 --> 00:07:21,007

UH, WOMEN ARE PLAYING

242

00:07:21,007 --> 00:07:22,375

SUCH A LARGER ROLE,

243

00:07:22,375 --> 00:07:23,910

UH, HERE AT NASA.

244

00:07:23,910 --> 00:07:25,444

UM, CERTAINLY, UH,

245

00:07:25,444 --> 00:07:26,279

I HAD AN OPPORTUNITY

246

00:07:26,279 --> 00:07:27,847

TO FLY WITH, UH,

247

00:07:27,847 --> 00:07:29,315

DR. PEGGY WHITSON,

248

00:07:29,315 --> 00:07:31,150

UM, ON HER, UH--

249

00:07:31,150 --> 00:07:32,418

AS PART OF HER COMMAND OF

250

00:07:32,418 --> 00:07:34,153

THE INTERNATIONAL SPACE STATION.

251

00:07:34,153 --> 00:07:35,154  
BOTH SHE AND MY

252

00:07:35,154 --> 00:07:36,189  
SHUTTLE COMMANDER, UH,

253

00:07:36,189 --> 00:07:38,257  
PAMELA MELROY WERE, UH,

254

00:07:38,257 --> 00:07:39,659  
THE FIRST WOMEN TO JOINTLY

255

00:07:39,659 --> 00:07:40,860  
COMMAND A SPACE STATION

256

00:07:40,860 --> 00:07:43,129  
AND SHUTTLE A CREW, UH,

257

00:07:43,129 --> 00:07:44,430  
FOR, UH, STS--

258

00:07:44,430 --> 00:07:46,632  
OVER STS-120 WE BROUGHT

259

00:07:46,632 --> 00:07:47,767  
THE [ INDISTINCT ] TO

260

00:07:47,767 --> 00:07:49,502  
THE INTERNATIONAL SPACE STATION

261

00:07:49,502 --> 00:07:50,403  
AND IT WAS WONDERFUL

262

00:07:50,403 --> 00:07:51,871  
TO SEE THEIR LEADERSHIP,

263

00:07:51,871 --> 00:07:52,772

HOW THEY JOINTLY BROUGHT

264

00:07:52,772 --> 00:07:54,173

THE CREWS TOGETHER,

265

00:07:54,173 --> 00:07:55,174

AND HOW WE WERE ABLE TO

266

00:07:55,174 --> 00:07:57,310

DO A CONTINGENCY SPACEWALK

267

00:07:57,310 --> 00:07:58,344

AND, UH, WORK TOGETHER WITH

268

00:07:58,344 --> 00:08:00,346

THE MISSION CONTROL TEAM TO,

269

00:08:00,346 --> 00:08:01,314

UH, DO THE PROBLEM SOLVING

270

00:08:01,314 --> 00:08:02,381

FOR THAT.

271

00:08:02,381 --> 00:08:03,249

AND, UH, OF COURSE,

272

00:08:03,249 --> 00:08:04,684

UH, DR. ELLEN OCHOA

273

00:08:04,684 --> 00:08:06,319

HAS A WONDERFUL, UH,

274

00:08:06,319 --> 00:08:08,120

TRACK RECORD AT NASA.

275

00:08:08,120 --> 00:08:09,088

UH, WHEN I CAME INTO

276  
00:08:09,088 --> 00:08:10,156  
THE OFFICE, UH,

277  
00:08:10,156 --> 00:08:11,991  
SHE WAS IN THE OFFICE AS WELL,

278  
00:08:11,991 --> 00:08:13,226  
AND I WORKED WITH HER,

279  
00:08:13,226 --> 00:08:15,628  
UH, AS SHE WAS THE CHIEF

280  
00:08:15,628 --> 00:08:16,963  
OF THE [ INDISTINCT ] BRANCH.

281  
00:08:16,963 --> 00:08:18,798  
SO I HAD MY TRAINING TO WORK

282  
00:08:18,798 --> 00:08:20,266  
IN MISSION CONTROL, UH,

283  
00:08:20,266 --> 00:08:21,500  
UNDER HER LEADERSHIP,

284  
00:08:21,500 --> 00:08:22,368  
AND THEN SHE WENT ON

285  
00:08:22,368 --> 00:08:23,536  
TO BE BOTH DEPUTY

286  
00:08:23,536 --> 00:08:24,704  
AND DIRECTOR OF OUR

287  
00:08:24,704 --> 00:08:25,671  
FLIGHT CREW OPERATIONS

288  
00:08:25,671 --> 00:08:27,440

DIRECTORATE AT THAT TIME.

289

00:08:27,440 --> 00:08:29,208

AND THEN DEPUTY AND DIRECTOR

290

00:08:29,208 --> 00:08:30,776

OF JOHNSON SPACE CENTER.

291

00:08:30,776 --> 00:08:31,644

SO SHE WAS A WONDERFUL

292

00:08:31,644 --> 00:08:32,578

MENTOR TO ME,

293

00:08:32,578 --> 00:08:34,247

SHE GAVE GREAT ADVICE.

294

00:08:34,247 --> 00:08:36,215

UH, GREAT OPPORTUNITY ALSO.

295

00:08:36,215 --> 00:08:37,316

UH, I'M VERY EXCITED

296

00:08:37,316 --> 00:08:39,151

TO SEE HER CAREER,

297

00:08:39,151 --> 00:08:40,853

UH, THROUGH NASA.

298

00:08:40,853 --> 00:08:41,787

SO IT'S A WONDERFUL

299

00:08:41,787 --> 00:08:43,890

TESTAMENT TO, UH, THE WORK,

300

00:08:43,890 --> 00:08:44,957

UH, THAT WOMEN ARE DOING

301  
00:08:44,957 --> 00:08:45,725  
TO CONTRIBUTE TO

302  
00:08:45,725 --> 00:08:48,227  
THE TEAM HERE AT NASA.

303  
00:08:48,227 --> 00:08:49,929  
>> VERY, VERY STRONG

304  
00:08:49,929 --> 00:08:51,597  
AND DYNAMIC WOMEN.

305  
00:08:51,597 --> 00:08:52,698  
SO GLAD THAT-- TO HAVE--

306  
00:08:52,698 --> 00:08:54,901  
TO BE A PART OF THIS NASA TEAM.

307  
00:08:54,901 --> 00:08:56,135  
AND MORE RECENTLY,

308  
00:08:56,135 --> 00:08:57,703  
WE EXPERIENCED A SIGNIFICANT

309  
00:08:57,703 --> 00:08:59,438  
MILESTONE WITH KATHY LUEDERS,

310  
00:08:59,438 --> 00:09:00,106  
THE FIRST WOMAN

311  
00:09:00,106 --> 00:09:01,374  
CHOSEN TO LEAD NASA'S

312  
00:09:01,374 --> 00:09:03,843  
HUMAN EXPLORATION PROGRAM.

313  
00:09:03,843 --> 00:09:04,677

KATHY WANTED TO SHARE

314

00:09:04,677 --> 00:09:06,112

A FEW WORDS OF INSPIRATION

315

00:09:06,112 --> 00:09:07,947

WITH US ALL.

316

00:09:07,947 --> 00:09:08,948

>> SO I'M STRUCK HERE,

317

00:09:08,948 --> 00:09:11,918

FIRST DAY IN MY NEW OFFICE.

318

00:09:11,918 --> 00:09:14,553

FIRST DAY IN

319

00:09:14,553 --> 00:09:15,521

THE NEW OFFICE IN

320

00:09:15,521 --> 00:09:18,324

THE MARY W. JACKSON BUILDING.

321

00:09:18,324 --> 00:09:19,859

AND I'M STRUCK BY

322

00:09:19,859 --> 00:09:22,161

THE SHOULDERS OF THE PEOPLE

323

00:09:22,161 --> 00:09:24,163

THAT I'M STANDING ON THAT HAVE

324

00:09:24,163 --> 00:09:26,832

BROUGHT ME TO THIS BUILDING.

325

00:09:26,832 --> 00:09:27,700

YOU KNOW, OBVIOUSLY

326

00:09:27,700 --> 00:09:28,701

MARY W. JACKSON

327

00:09:28,701 --> 00:09:30,436

IS-IS ONE OF THOSE.

328

00:09:30,436 --> 00:09:31,437

OBVIOUSLY, ALL OF THE OTHER

329

00:09:31,437 --> 00:09:32,705

FOLKS THAT HAVE SERVED

330

00:09:32,705 --> 00:09:35,107

IN THIS-- IN THIS OFFICE

331

00:09:35,107 --> 00:09:36,575

ARE THOSE TOO.

332

00:09:36,575 --> 00:09:38,044

AND I'M STRUCK AT,

333

00:09:38,044 --> 00:09:39,412

AS I SIT HERE

334

00:09:39,412 --> 00:09:41,347

LOOKING BACK ON MY CAREER,

335

00:09:41,347 --> 00:09:43,182

AND ALL THE PEOPLE OUT THERE

336

00:09:43,182 --> 00:09:43,783

THAT HAVE LET ME

337

00:09:43,783 --> 00:09:45,718

STAND ON THEIR SHOULDERS.

338

00:09:45,718 --> 00:09:47,586

YOU KNOW?

339

00:09:47,586 --> 00:09:49,088

THERE HAS BEEN A LOT OF PEOPLE

340

00:09:49,088 --> 00:09:50,523

THAT HAVE REACHED DOWN

341

00:09:50,523 --> 00:09:52,158

AND PULLED ME UP

342

00:09:52,158 --> 00:09:52,825

AND ARE THE REASON

343

00:09:52,825 --> 00:09:55,695

THAT I'M HERE TODAY.

344

00:09:55,695 --> 00:09:57,196

AND WHY IS THIS IMPORTANT?

345

00:09:57,196 --> 00:09:58,364

THIS IS IMPORTANT BECAUSE

346

00:09:58,364 --> 00:10:00,900

WE HAVE BIG PROBLEMS.

347

00:10:00,900 --> 00:10:01,901

THAT'S WHY WE'RE HERE,

348

00:10:01,901 --> 00:10:03,202

TO SOLVE BIG PROBLEMS.

349

00:10:03,202 --> 00:10:04,103

IT'S THE COOLEST THING--

350

00:10:04,103 --> 00:10:05,171

I THINK IT'S THE COOLEST THING

351  
00:10:05,171 --> 00:10:06,539  
ABOUT THIS AGENCY IS THAT

352  
00:10:06,539 --> 00:10:09,842  
WE GET TO SOLVE BIG PROBLEMS.

353  
00:10:09,842 --> 00:10:11,744  
BUT TO SOLVE BIG PROBLEMS,

354  
00:10:11,744 --> 00:10:14,780  
WE NEED LOTS OF BIG SHOULDERS.

355  
00:10:14,780 --> 00:10:15,481  
SO WE'RE GONNA NEED

356  
00:10:15,481 --> 00:10:17,583  
EVERY SINGLE ONE OF YOU

357  
00:10:17,583 --> 00:10:20,353  
TO REACH OUT AND LOOK AT

358  
00:10:20,353 --> 00:10:21,721  
PULLING SOMEBODY UP.

359  
00:10:21,721 --> 00:10:22,355  
SOMEBODY THAT MAY NOT

360  
00:10:22,355 --> 00:10:23,656  
LOOK LIKE YOU.

361  
00:10:23,656 --> 00:10:24,490  
SOMEBODY THAT MAY NOT

362  
00:10:24,490 --> 00:10:26,258  
THINK LIKE YOU.

363  
00:10:26,258 --> 00:10:28,094

BECAUSE THROUGH US BUILDING

364

00:10:28,094 --> 00:10:30,262

THIS HUMAN PYRAMID,

365

00:10:30,262 --> 00:10:33,666

WE WILL REACH THE STARS.

366

00:10:33,666 --> 00:10:35,601

AND I LOOK FORWARD TO

367

00:10:35,601 --> 00:10:37,169

PROVIDING SOME STRUCTURE

368

00:10:37,169 --> 00:10:38,371

IN THAT PYRAMID THAT

369

00:10:38,371 --> 00:10:39,972

GETS US THERE.

370

00:10:39,972 --> 00:10:43,075

THANK YOU.

371

00:10:43,075 --> 00:10:44,410

>> WOW, GREAT WORDS

372

00:10:44,410 --> 00:10:45,578

FROM KATHY.

373

00:10:45,578 --> 00:10:47,313

SPEAKING OF PEOPLE

374

00:10:47,313 --> 00:10:48,147

THAT SHE'S STANDING ON

375

00:10:48,147 --> 00:10:50,149

THEIR SHOULDERS, CHARLIE,

376

00:10:50,149 --> 00:10:51,150

YOU'RE THE FIRST FEMALE

377

00:10:51,150 --> 00:10:52,618

LAUNCH DIRECTOR,

378

00:10:52,618 --> 00:10:54,186

SO WHAT DOES TODAY MEAN

379

00:10:54,186 --> 00:10:55,187

TO YOU IN TERMS OF

380

00:10:55,187 --> 00:10:57,189

WOMEN'S EQUALITY DAY

381

00:10:57,189 --> 00:10:58,391

AND HOW HAS YOUR EXPERIENCE

382

00:10:58,391 --> 00:10:59,392

BEING THE FIRST FEMALE

383

00:10:59,392 --> 00:11:00,359

LAUNCH DIRECTOR SHAPED

384

00:11:00,359 --> 00:11:04,096

HOW YOU VIEW THE WORLD?

385

00:11:04,096 --> 00:11:06,966

>> WELL FIRST, CHRISTYL,

386

00:11:06,966 --> 00:11:08,501

JUST LET ME SAY, YOU KNOW,

387

00:11:08,501 --> 00:11:10,903

IT'S AN INCREDIBLE HONOR TODAY

388

00:11:10,903 --> 00:11:12,571

TO BE HERE WITH YOU LADIES.

389

00:11:12,571 --> 00:11:15,074

UM, TO BE WITH SUCH TALENTED,

390

00:11:15,074 --> 00:11:17,276

UM, IMPACTFUL WOMEN.

391

00:11:17,276 --> 00:11:18,177

THE PASSAGE OF

392

00:11:18,177 --> 00:11:20,146

THE 19th AMENDMENT...

393

00:11:20,146 --> 00:11:21,080

YOU KNOW,

394

00:11:21,080 --> 00:11:22,415

IT NOT ONLY GAVE WOMEN

395

00:11:22,415 --> 00:11:23,482

THE RIGHT TO VOTE,

396

00:11:23,482 --> 00:11:24,750

BUT IT REALLY ENABLED

397

00:11:24,750 --> 00:11:26,886

THE PATH THAT, EVENTUALLY,

398

00:11:26,886 --> 00:11:27,620

ALL OF US WERE

399

00:11:27,620 --> 00:11:29,021

ABLE TO WALK DOWN.

400

00:11:29,021 --> 00:11:29,922

AND SO, YOU KNOW,

401  
00:11:29,922 --> 00:11:31,757  
I THINK ABOUT MYSELF

402  
00:11:31,757 --> 00:11:33,759  
AND I THINK ABOUT, YOU KNOW,

403  
00:11:33,759 --> 00:11:35,428  
WHERE WOULD I BE TODAY

404  
00:11:35,428 --> 00:11:36,829  
IF THAT HADN'T HAPPENED

405  
00:11:36,829 --> 00:11:38,664  
100 YEARS AGO?

406  
00:11:38,664 --> 00:11:39,098  
YOU KNOW,

407  
00:11:39,098 --> 00:11:40,666  
AND I-I DOUBT VERY SERIOUSLY

408  
00:11:40,666 --> 00:11:41,500  
THAT I WOULD BE IN

409  
00:11:41,500 --> 00:11:42,401  
A POSITION TO BE

410  
00:11:42,401 --> 00:11:43,736  
THE LAUNCH DIRECTOR TODAY.

411  
00:11:43,736 --> 00:11:45,337  
SO-SO TODAY IS A VERY SPECIAL

412  
00:11:45,337 --> 00:11:47,907  
DAY FOR SO MANY REASONS.

413  
00:11:47,907 --> 00:11:49,075

BEING THE FIRST WOMAN

414

00:11:49,075 --> 00:11:51,010  
LAUNCH DIRECTOR IS

415

00:11:51,010 --> 00:11:53,312  
AN INCREDIBLE HONOR.

416

00:11:53,312 --> 00:11:54,847  
UM, SOMETIMES IT'S-IT'S

417

00:11:54,847 --> 00:11:55,781  
HARD FOR ME TO EVEN

418

00:11:55,781 --> 00:11:57,783  
REALLY PUT INTO WORDS.

419

00:11:57,783 --> 00:11:59,018  
UM, YOU KNOW, I GREW UP

420

00:11:59,018 --> 00:12:01,053  
IN RURAL SOUTH CAROLINA.

421

00:12:01,053 --> 00:12:02,855  
AND SO IF SOMEONE HAD TOLD ME

422

00:12:02,855 --> 00:12:04,423  
GROWING UP, "CHARLIE,

423

00:12:04,423 --> 00:12:05,758  
ONE DAY YOU'RE GONNA WORK

424

00:12:05,758 --> 00:12:07,560  
ON AMERICA'S SPACE PROGRAM

425

00:12:07,560 --> 00:12:10,096  
AND YOU'RE GONNA, UM,

426

00:12:10,096 --> 00:12:10,663

YOU KNOW, YOU'RE GONNA BE

427

00:12:10,663 --> 00:12:12,131

PART OF LAUNCH TEAM,

428

00:12:12,131 --> 00:12:14,200

AND YOU'RE GONNA LEAD AS WE PLAN

429

00:12:14,200 --> 00:12:17,103

TO-TO PUT THE FIRST WOMAN

430

00:12:17,103 --> 00:12:18,871

AND THE NEXT MAN ON THE MOON,"

431

00:12:18,871 --> 00:12:19,939

THAT WOULD BE REALLY HARD

432

00:12:19,939 --> 00:12:21,841

FOR ME TO HAVE WRAPPED MY MIND

433

00:12:21,841 --> 00:12:23,943

AROUND AS A YOUTH GROWING UP.

434

00:12:23,943 --> 00:12:25,478

AND SO HAVING THIS ROLE,

435

00:12:25,478 --> 00:12:26,612

WHAT IT HAS TAUGHT ME

436

00:12:26,612 --> 00:12:27,813

AND HOPEFULLY WHAT IT SAYS

437

00:12:27,813 --> 00:12:29,215

TO YOUNG PEOPLE IS,

438

00:12:29,215 --> 00:12:31,517

DON'T LIMIT YOUR EXPECTATIONS.

439

00:12:31,517 --> 00:12:32,985

DON'T LIMIT YOUR GOALS,

440

00:12:32,985 --> 00:12:37,323

BECAUSE ANYTHING IS POSSIBLE.

441

00:12:37,323 --> 00:12:38,390

>> THANK YOU.

442

00:12:38,390 --> 00:12:39,125

AND NOW, I'D LIKE TO

443

00:12:39,125 --> 00:12:39,892

GO TO ONE OF

444

00:12:39,892 --> 00:12:42,027

THE ONLINE VIDEO QUESTIONS.

445

00:12:42,027 --> 00:12:43,729

THIS FIRST QUESTION IS

446

00:12:43,729 --> 00:12:45,764

FROM A SENATOR FROM THE GREAT

447

00:12:45,764 --> 00:12:47,399

STATE OF WEST VIRGINIA,

448

00:12:47,399 --> 00:12:50,936

SHELLEY MOORE CAPITO.

449

00:12:50,936 --> 00:12:52,438

>> WHO OR WHAT INSPIRED YOU

450

00:12:52,438 --> 00:12:55,508

TO PURSUE A CAREER IN STEM?

451  
00:12:55,508 --> 00:12:56,942  
>> SO CLARA, CAN WE GET YOU

452  
00:12:56,942 --> 00:12:59,912  
TO ANSWER THAT FIRST QUESTION?

453  
00:13:01,747 --> 00:13:03,015  
>> YES, SO, UH,

454  
00:13:03,015 --> 00:13:04,383  
FIRST CAN I JUST SAY ALSO

455  
00:13:04,383 --> 00:13:05,918  
THAT IT'S SUCH AN HONOR TO

456  
00:13:05,918 --> 00:13:07,319  
BE INVITED TO SPEAK HERE

457  
00:13:07,319 --> 00:13:09,321  
ALONGSIDE THREE REALLY

458  
00:13:09,321 --> 00:13:10,156  
ACCOMPLISHED WOMEN THAT

459  
00:13:10,156 --> 00:13:11,357  
I REALLY ADMIRE.

460  
00:13:11,357 --> 00:13:12,158  
SO THANK YOU SO MUCH

461  
00:13:12,158 --> 00:13:13,359  
FOR HAVING ME HERE.

462  
00:13:13,359 --> 00:13:14,560  
BUT TO ANSWER THE QUESTION,

463  
00:13:14,560 --> 00:13:16,328

I THINK FOR ME IT WAS

464

00:13:16,328 --> 00:13:18,330

ABOUT BEING LUCKY ENOUGH TO

465

00:13:18,330 --> 00:13:20,266

FIND A PROBLEM THAT

466

00:13:20,266 --> 00:13:21,834

I REALLY CARED ABOUT SOLVING

467

00:13:21,834 --> 00:13:22,902

FROM A REALLY YOUNG AGE,

468

00:13:22,902 --> 00:13:24,303

AND THAT WAS CLIMATE CHANGE

469

00:13:24,303 --> 00:13:26,172

AND PROTECTING THE ENVIRONMENT.

470

00:13:26,172 --> 00:13:28,040

UM, I ALSO HAD REALLY SUPPORTIVE

471

00:13:28,040 --> 00:13:29,842

TEACHERS IN ELEMENTARY SCHOOL

472

00:13:29,842 --> 00:13:31,110

THAT PUSHED ME TO ASK QUESTIONS

473

00:13:31,110 --> 00:13:33,479

AND TO EXPLORE MATERIAL BEYOND

474

00:13:33,479 --> 00:13:34,547

WHAT WOULD BE ON THE TEST

475

00:13:34,547 --> 00:13:35,548

AND TO CHALLENGE MYSELF.

476  
00:13:35,548 --> 00:13:36,448  
AND-AND THOSE WERE MY

477  
00:13:36,448 --> 00:13:37,249  
FIFTH AND SIXTH GRADE

478  
00:13:37,249 --> 00:13:38,918  
TEACHERS ESPECIALLY.

479  
00:13:38,918 --> 00:13:40,419  
AND, UM, I KNOW

480  
00:13:40,419 --> 00:13:41,187  
ALL OF THAT IS MORE

481  
00:13:41,187 --> 00:13:41,954  
THAN TEN YEARS AGO NOW.

482  
00:13:41,954 --> 00:13:42,555  
BUT THERE ARE

483  
00:13:42,555 --> 00:13:43,589  
THINGS THEY TAUGHT ME

484  
00:13:43,589 --> 00:13:44,757  
AND INSPIRED IN ME

485  
00:13:44,757 --> 00:13:46,525  
THAT I STILL CARRY

486  
00:13:46,525 --> 00:13:48,093  
WITH ME TODAY.

487  
00:13:48,093 --> 00:13:49,595  
UM, AND I'D ALSO BE REMISS

488  
00:13:49,595 --> 00:13:50,629

TO NOT MENTION

489

00:13:50,629 --> 00:13:52,798

THE INCREDIBLE IMPACT THAT

490

00:13:52,798 --> 00:13:54,266

MY EXPERIENCE WITH NASA

491

00:13:54,266 --> 00:13:55,234

HAD ON ME AS WELL.

492

00:13:55,234 --> 00:13:56,869

LIKE, TRULY I-I STARTED OUT

493

00:13:56,869 --> 00:13:58,204

AS THIS VERY SHY,

494

00:13:58,204 --> 00:13:59,138

VERY ANTI-SOCIAL,

495

00:13:59,138 --> 00:14:00,406

VERY AWKWARD GIRL.

496

00:14:00,406 --> 00:14:01,307

AND I DIDN'T FEEL LIKE

497

00:14:01,307 --> 00:14:02,508

I HAD A VOICE THAT

498

00:14:02,508 --> 00:14:04,109

WAS WORTH LISTENING TO.

499

00:14:04,109 --> 00:14:07,012

AND NASA CHANGED ALL OF THAT.

500

00:14:07,012 --> 00:14:08,314

GETTING TO SPEAK AT EVENTS

501  
00:14:08,314 --> 00:14:09,848  
AND-AND DO INTERVIEWS

502  
00:14:09,848 --> 00:14:11,450  
AND-AND TALK TO STUDENTS

503  
00:14:11,450 --> 00:14:12,785  
AND TEACHERS AND REPORTERS,

504  
00:14:12,785 --> 00:14:13,419  
I HAD TO GET OVER THAT

505  
00:14:13,419 --> 00:14:15,287  
SHYNESS PRETTY QUICKLY.

506  
00:14:15,287 --> 00:14:17,723  
UM, AND BEFORE VISITING JPL,

507  
00:14:17,723 --> 00:14:19,291  
I'D NEVER SEEN SO MANY

508  
00:14:19,291 --> 00:14:20,759  
WOMEN SCIENTISTS AND ENGINEERS

509  
00:14:20,759 --> 00:14:22,061  
ALL IN THE SAME PLACE

510  
00:14:22,061 --> 00:14:23,128  
AND-AND IN POSITIONS

511  
00:14:23,128 --> 00:14:24,163  
OF LEADERSHIP TOO.

512  
00:14:24,163 --> 00:14:25,064  
AND-AND GETTING TO BE

513  
00:14:25,064 --> 00:14:25,831

AROUND THEM, HAVING

514

00:14:25,831 --> 00:14:27,499

CONVERSATIONS WITH THEM,

515

00:14:27,499 --> 00:14:28,334

IT MADE ME SEE--

516

00:14:28,334 --> 00:14:30,102

AND-AND REALLY SEE THAT

517

00:14:30,102 --> 00:14:31,270

THAT WAS SOMETHING

518

00:14:31,270 --> 00:14:33,138

I COULD BE SOMEDAY TOO.

519

00:14:33,138 --> 00:14:34,206

I THINK THE MOST IMPORTANT

520

00:14:34,206 --> 00:14:35,674

THING THAT WE NEED TO DO

521

00:14:35,674 --> 00:14:36,875

AND THAT NASA NEEDS TO DO

522

00:14:36,875 --> 00:14:39,144

IS JUST TO KEEP EXPLORING AND

523

00:14:39,144 --> 00:14:40,879

TO DO SO IN AN INCLUSIVE WAY.

524

00:14:40,879 --> 00:14:42,248

UM, THE EXCITEMENT

525

00:14:42,248 --> 00:14:43,315

THAT'S GENERATED BY

526  
00:14:43,315 --> 00:14:44,950  
SPACE EXPLORATION I'VE SEEN

527  
00:14:44,950 --> 00:14:46,385  
FIRST HAND HOW IT ATTRACTS

528  
00:14:46,385 --> 00:14:48,554  
YOUNG PEOPLE TO CAREERS IN STEM.

529  
00:14:48,554 --> 00:14:49,521  
[ CHUCKLING ]

530  
00:14:49,521 --> 00:14:51,724  
>> AWESOME, THANK YOU!

531  
00:14:51,724 --> 00:14:52,324  
SO STEPHANIE,

532  
00:14:52,324 --> 00:14:53,492  
WHAT INSPIRED YOU?

533  
00:14:53,492 --> 00:14:54,360  
DID YOU ALWAYS WANT TO

534  
00:14:54,360 --> 00:14:57,363  
BE AN ASTRONAUT?

535  
00:14:57,363 --> 00:14:58,697  
>> CHRISTYL, I DID.

536  
00:14:58,697 --> 00:15:01,467  
I, UM, ALSO WAS VERY

537  
00:15:01,467 --> 00:15:03,235  
FORTUNATE TO HAVE, UH,

538  
00:15:03,235 --> 00:15:04,536

VERY SUPPORTIVE PARENTS

539

00:15:04,536 --> 00:15:05,638

WHO, UM-- TO WHOM

540

00:15:05,638 --> 00:15:07,306

EDUCATION WAS VERY IMPORTANT

541

00:15:07,306 --> 00:15:08,707

AND VERY SUPPORTIVE TEACHERS

542

00:15:08,707 --> 00:15:11,877

AS CLARA, UH, UH, MENTIONED.

543

00:15:11,877 --> 00:15:13,145

IN, UH, EIGHTH GRADE--

544

00:15:13,145 --> 00:15:14,146

IT WAS JUNIOR HIGH SCHOOL,

545

00:15:14,146 --> 00:15:16,215

WHEN I WAS IN EIGHTH GRADE.

546

00:15:16,215 --> 00:15:16,815

BUT I TOOK

547

00:15:16,815 --> 00:15:18,150

A CAREER AWARENESS CLASS

548

00:15:18,150 --> 00:15:19,385

AND THE TEACHER THERE

549

00:15:19,385 --> 00:15:21,287

GAVE THE CLASS, UM,

550

00:15:21,287 --> 00:15:22,421

AN ASSIGNMENT TO INTERVIEW

551  
00:15:22,421 --> 00:15:23,422  
SOMEONE WHO WORKED IN

552  
00:15:23,422 --> 00:15:25,424  
AN INTERESTING CAREER FIELD.

553  
00:15:25,424 --> 00:15:26,025  
AT THE TIME,

554  
00:15:26,025 --> 00:15:28,160  
I WAS INTERESTED IN ASTRONOMY.

555  
00:15:28,160 --> 00:15:29,161  
I GREW UP IN A SMALL TOWN

556  
00:15:29,161 --> 00:15:30,296  
IN MASSACHUSETTS.

557  
00:15:30,296 --> 00:15:31,430  
AND, UH, SINCE IT WAS

558  
00:15:31,430 --> 00:15:32,298  
SUCH A SMALL TOWN,

559  
00:15:32,298 --> 00:15:33,465  
THERE WERE NOT

560  
00:15:33,465 --> 00:15:34,667  
VERY MANY CITY LIGHTS.

561  
00:15:34,667 --> 00:15:35,668  
AND SO THE NIGHT SKY

562  
00:15:35,668 --> 00:15:37,069  
WAS VERY VISIBLE.

563  
00:15:37,069 --> 00:15:38,203

AND I INTERVIEWED

564

00:15:38,203 --> 00:15:39,071

AN ASTRONOMY PROFESSOR

565

00:15:39,071 --> 00:15:41,006

AT A LOCAL AREA COLLEGE

566

00:15:41,006 --> 00:15:42,875

AND WAS FASCINATED BY HIS WORK.

567

00:15:42,875 --> 00:15:44,176

HE HAD AN OPPORTUNITY TO

568

00:15:44,176 --> 00:15:46,011

TRAVEL ACROSS A WORLD

569

00:15:46,011 --> 00:15:48,080

TO OBSERVE DIFFERENT, UH,

570

00:15:48,080 --> 00:15:49,782

UM, ASTRONOMICAL EVENTS.

571

00:15:49,782 --> 00:15:51,116

HE WAS A TEACHER,

572

00:15:51,116 --> 00:15:53,185

A PROFESSOR AT A UNIVERSITY,

573

00:15:53,185 --> 00:15:55,120

UM, DID RESEARCH,

574

00:15:55,120 --> 00:15:56,155

WORKED WITH STUDENTS.

575

00:15:56,155 --> 00:15:57,022

AND I THOUGHT THAT WAS

576

00:15:57,022 --> 00:15:58,490

A WONDERFUL, UH,

577

00:15:58,490 --> 00:16:00,259

WAY TO PARTICIPATE IN STEM

578

00:16:00,259 --> 00:16:01,927

AND TO BECOME A SCIENTIST.

579

00:16:01,927 --> 00:16:03,929

I HAD A BIT OF A CONFLICT, UH,

580

00:16:03,929 --> 00:16:05,531

WITH SCIENCE AND ENGINEERING.

581

00:16:05,531 --> 00:16:06,832

I LOVED TO UNDERSTAND

582

00:16:06,832 --> 00:16:07,933

HOW COMPONENTS AND DEVICES

583

00:16:07,933 --> 00:16:09,401

ARE PUT TOGETHER.

584

00:16:09,401 --> 00:16:10,769

AND, UH, I'M REALLY

585

00:16:10,769 --> 00:16:12,471

INTERESTED IN DESIGN.

586

00:16:12,471 --> 00:16:14,073

I EVENTUALLY DID DECIDE TO

587

00:16:14,073 --> 00:16:15,307

STUDY ENGINEERING AND THOUGHT

588

00:16:15,307 --> 00:16:16,975

THAT AEROSPACE ENGINEERING

589

00:16:16,975 --> 00:16:18,277

WOULD BE A GOOD COMBINATION OF

590

00:16:18,277 --> 00:16:19,545

MY INTEREST IN SPACE AND MY

591

00:16:19,545 --> 00:16:21,180

INTEREST IN ENGINEERING.

592

00:16:21,180 --> 00:16:23,182

UM, BUT, UH, IF I HAD

593

00:16:23,182 --> 00:16:24,917

AN OPPORTUNITY AFTER

594

00:16:24,917 --> 00:16:27,152

WORKING ON A SPACECRAFT TO,

595

00:16:27,152 --> 00:16:28,854

UH, FLY ABOARD A SPACECRAFT

596

00:16:28,854 --> 00:16:30,055

INTO SPACE, THEN THAT WOULD

597

00:16:30,055 --> 00:16:32,124

JUST BE ICING ON THE CAKE.

598

00:16:32,124 --> 00:16:33,792

SO, UH, BECOMING AN ASTRONAUT

599

00:16:33,792 --> 00:16:36,695

WAS ALWAYS AN INTEREST OF MINE.

600

00:16:36,695 --> 00:16:37,896

>> THAT'S EXCITING!

601  
00:16:37,896 --> 00:16:38,330  
AND CHARLIE,

602  
00:16:38,330 --> 00:16:41,433  
WHAT INSPIRED YOU?

603  
00:16:41,433 --> 00:16:42,868  
>> UM, SO MY STORY'S

604  
00:16:42,868 --> 00:16:44,870  
A LITTLE DIFFERENT THAN,

605  
00:16:44,870 --> 00:16:47,005  
UH-- THAN MAYBE

606  
00:16:47,005 --> 00:16:48,640  
OUR OTHER TWO PANELISTS.

607  
00:16:48,640 --> 00:16:49,942  
UM, I ACTUALLY DIDN'T

608  
00:16:49,942 --> 00:16:50,576  
KNOW WHAT I WANTED TO

609  
00:16:50,576 --> 00:16:51,710  
DO IN HIGH SCHOOL.

610  
00:16:51,710 --> 00:16:53,979  
I-I-I HAD-- YOU KNOW,

611  
00:16:53,979 --> 00:16:55,147  
HAD ALL KINDS OF INTERESTS.

612  
00:16:55,147 --> 00:16:57,983  
AND FOR ME, IT WAS A TEACHER.

613  
00:16:57,983 --> 00:16:59,551

AND MY PHYSICS TEACHER IN

614

00:16:59,551 --> 00:17:01,320  
HIGH SCHOOL ASKED ME,

615

00:17:01,320 --> 00:17:01,754  
YOU KNOW, "HEY,

616

00:17:01,754 --> 00:17:02,488  
WHAT ARE YOU GOING TO STUDY

617

00:17:02,488 --> 00:17:03,789  
WHEN YOU GO OFF TO SCHOOL?"

618

00:17:03,789 --> 00:17:04,823  
AND-AND I WAS STILL

619

00:17:04,823 --> 00:17:06,558  
MAKING UP MY MIND AND,

620

00:17:06,558 --> 00:17:07,359  
YOU KNOW, MAYBE I WANT TO

621

00:17:07,359 --> 00:17:08,560  
DO THIS OR THAT.

622

00:17:08,560 --> 00:17:10,629  
AND, UM-- AND HE SAID,

623

00:17:10,629 --> 00:17:11,096  
"YOU KNOW,

624

00:17:11,096 --> 00:17:13,766  
YOU EVER THOUGHT ABOUT BEING,

625

00:17:13,766 --> 00:17:16,268  
UH-- OR STUDYING ENGINEERING?"

626

00:17:16,268 --> 00:17:18,437

AND-AND I THOUGHT,

627

00:17:18,437 --> 00:17:20,739

WELL, NOT-NOT REALLY.

628

00:17:20,739 --> 00:17:22,641

I SAID-- AND I SAID TO HIM--

629

00:17:22,641 --> 00:17:25,043

WHICH I THINK HOW WISE HE WAS.

630

00:17:25,043 --> 00:17:25,644

BUT AT THE TIME,

631

00:17:25,644 --> 00:17:27,179

THE ANSWER HE GAVE ME

632

00:17:27,179 --> 00:17:28,213

WAS SORT OF PERPLEXING.

633

00:17:28,213 --> 00:17:29,348

HE SAID-- I SAID,

634

00:17:29,348 --> 00:17:30,983

"WELL, WHAT WOULD I DO WITH

635

00:17:30,983 --> 00:17:32,184

AN ENGINEERING DEGREE?

636

00:17:32,184 --> 00:17:33,018

LIKE, WHAT KINDS OF THINGS

637

00:17:33,018 --> 00:17:34,286

COULD I DO?"

638

00:17:34,286 --> 00:17:34,987

AND HE LOOKS AT ME

639

00:17:34,987 --> 00:17:38,290

AND HE SAYS, "CHARLIE,

640

00:17:38,290 --> 00:17:39,057

WHAT KINDS OF THINGS

641

00:17:39,057 --> 00:17:40,225

COULDN'T YOU DO WITH

642

00:17:40,225 --> 00:17:41,794

AN ENGINEERING DEGREE?"

643

00:17:41,794 --> 00:17:43,662

AND AT THE TIME I'M THINKING,

644

00:17:43,662 --> 00:17:44,229

WELL, THAT'S NOT

645

00:17:44,229 --> 00:17:45,130

ALL THAT HELPFUL.

646

00:17:45,130 --> 00:17:45,831

BUT YOU KNOW WHAT?

647

00:17:45,831 --> 00:17:48,667

HE WAS SO WISE BECAUSE IT HAS

648

00:17:48,667 --> 00:17:51,136

OPENED SO MANY DOORS FOR ME.

649

00:17:51,136 --> 00:17:52,504

AND-AND, YOU KNOW,

650

00:17:52,504 --> 00:17:53,806

ALLOWED ME TO EXPERIENCE

651  
00:17:53,806 --> 00:17:54,840  
SO MANY THINGS.

652  
00:17:54,840 --> 00:17:57,609  
AND SO I AM-- I HAVE SUCH A--

653  
00:17:57,609 --> 00:18:00,446  
SO MUCH GRATITUDE TO HIM FOR

654  
00:18:00,446 --> 00:18:02,147  
KIND OF GIVING ME THAT NUDGE.

655  
00:18:02,147 --> 00:18:02,881  
YOU KNOW?

656  
00:18:02,881 --> 00:18:05,117  
THAT ONE-ON-ONE NUDGE TO SAY,

657  
00:18:05,117 --> 00:18:06,018  
"HEY, WHY DON'T YOU THINK

658  
00:18:06,018 --> 00:18:07,686  
ABOUT STUDYING ENGINEERING?"

659  
00:18:07,686 --> 00:18:08,887  
AND I-- YOU KNOW,

660  
00:18:08,887 --> 00:18:09,955  
"THERE'S SO MANY THINGS

661  
00:18:09,955 --> 00:18:11,890  
YOU CAN DO WITH THAT DEGREE."

662  
00:18:11,890 --> 00:18:13,091  
AND HE WAS RIGHT!

663  
00:18:13,091 --> 00:18:14,359

>> WOW, THAT'S AWESOME.

664

00:18:14,359 --> 00:18:14,860

YOU KNOW, THERE ARE

665

00:18:14,860 --> 00:18:15,861

SO MANY WOMEN THAT ARE

666

00:18:15,861 --> 00:18:16,628

LISTENING TO THIS

667

00:18:16,628 --> 00:18:18,163

AND SO MANY PEOPLE THAT

668

00:18:18,163 --> 00:18:18,997

ARE LISTENING TO THIS

669

00:18:18,997 --> 00:18:20,999

THAT HAVE YOUR SAME STORY?

670

00:18:20,999 --> 00:18:22,334

NOT REALLY KNOWING WHAT

671

00:18:22,334 --> 00:18:23,469

IT IS THAT THEY WANT TO DO.

672

00:18:23,469 --> 00:18:25,103

AND IT'S NOT TOO LATE FOR US

673

00:18:25,103 --> 00:18:26,638

TO ENCOURAGE SOME OF THOSE

674

00:18:26,638 --> 00:18:28,607

YOUNG GIRLS AND YOUNG WOMEN

675

00:18:28,607 --> 00:18:29,908

TO PURSUE STEM CAREERS.

676

00:18:29,908 --> 00:18:31,510  
EVEN IF THEY HAVEN'T BEEN,

677

00:18:31,510 --> 00:18:31,844  
YOU KNOW,

678

00:18:31,844 --> 00:18:33,545  
GOOD AT MATH IN THE PAST.

679

00:18:33,545 --> 00:18:34,480  
SO-SO THANK YOU

680

00:18:34,480 --> 00:18:35,247  
FOR SHARING THAT.

681

00:18:35,247 --> 00:18:36,482  
THAT'S AWESOME.

682

00:18:36,482 --> 00:18:36,915  
SO LET'S TAKE

683

00:18:36,915 --> 00:18:38,217  
THE NEXT QUESTION.

684

00:18:38,217 --> 00:18:39,485  
THIS NEXT QUESTION,

685

00:18:39,485 --> 00:18:41,286  
EMILY CALANDRELLI.

686

00:18:41,286 --> 00:18:42,120  
>> WHAT ARE SOME FIRSTS

687

00:18:42,120 --> 00:18:43,388  
BY WOMEN AT NASA THAT ARE

688

00:18:43,388 --> 00:18:44,156

THE MOST PERSONALLY

689

00:18:44,156 --> 00:18:45,591  
MEANINGFUL TO YOU?

690

00:18:45,591 --> 00:18:46,425  
>> ALL RIGHT CLARA, LET'S--

691

00:18:46,425 --> 00:18:48,360  
LET'S GO BACK TO YOU AGAIN.

692

00:18:50,863 --> 00:18:52,130  
>> UM, SO DR. JOHNSON,

693

00:18:52,130 --> 00:18:53,732  
YOU MENTIONED THAT, UH--

694

00:18:53,732 --> 00:18:54,666  
THAT SHANNON WALKER WAS

695

00:18:54,666 --> 00:18:56,168  
THE FIRST FEMALE ASTRONAUT

696

00:18:56,168 --> 00:18:57,603  
TO VOTE FROM THE ISS,

697

00:18:57,603 --> 00:18:59,004  
AND I JUST THINK THAT'S

698

00:18:59,004 --> 00:19:00,839  
SO AMAZING AND A GOOD EXAMPLE

699

00:19:00,839 --> 00:19:02,107  
FOR YOUNG PEOPLE TODAY.

700

00:19:02,107 --> 00:19:03,041  
LIKE, IF SHANNON WALKER

701

00:19:03,041 --> 00:19:03,942

CAN DO IT FROM SPACE,

702

00:19:03,942 --> 00:19:06,578

THEN WE CAN DO IT HERE ON EARTH.

703

00:19:06,578 --> 00:19:08,046

[ LAUGHING ]

704

00:19:08,046 --> 00:19:11,383

>> THANK YOU, AND CHARLIE?

705

00:19:11,383 --> 00:19:12,317

>> I WOULD SAY

706

00:19:12,317 --> 00:19:15,153

A FIRST FOR ME IS, UM--

707

00:19:15,153 --> 00:19:16,355

UH, YOU KNOW, AND IT'S-IT'S

708

00:19:16,355 --> 00:19:17,890

REALLY HARD TO PICK ONE.

709

00:19:17,890 --> 00:19:19,691

BECAUSE THERE ARE SO MANY

710

00:19:19,691 --> 00:19:21,026

AMAZING WOMEN WHO HAVE DONE

711

00:19:21,026 --> 00:19:24,096

SO MANY THINGS AND-AND THOSE

712

00:19:24,096 --> 00:19:25,264

FIRSTS ARE IMPORTANT

713

00:19:25,264 --> 00:19:26,865

BECAUSE THEY TELL US THAT

714

00:19:26,865 --> 00:19:28,267

THE WAY THINGS HAVE BEEN,

715

00:19:28,267 --> 00:19:29,034

IS NOT THE WAY THAT

716

00:19:29,034 --> 00:19:30,903

THEY'RE ALWAYS GONNA BE.

717

00:19:30,903 --> 00:19:32,938

UM, BUT-BUT ONE THAT'S

718

00:19:32,938 --> 00:19:34,339

VERY PERSONAL FOR ME

719

00:19:34,339 --> 00:19:36,008

IS, UM, YOU KNOW,

720

00:19:36,008 --> 00:19:39,511

JOANN MORGAN WAS THE ONE WOMAN

721

00:19:39,511 --> 00:19:40,746

THAT WAS IN THE FIRING ROOM,

722

00:19:40,746 --> 00:19:42,681

ONE OF 400 THAT WERE

723

00:19:42,681 --> 00:19:43,815

IN THE FIRING ROOM

724

00:19:43,815 --> 00:19:45,484

WHEN APOLLO 11 LAUNCHED.

725

00:19:45,484 --> 00:19:46,018

SO WHEN THAT

726

00:19:46,018 --> 00:19:48,554

HISTORIC MISSION LIFTED OFF,

727

00:19:48,554 --> 00:19:50,522

SHE WAS THE ONLY WOMAN THAT

728

00:19:50,522 --> 00:19:52,424

WAS PART OF THE LAUNCH TEAM.

729

00:19:52,424 --> 00:19:54,626

AND SO I THINK ABOUT--

730

00:19:54,626 --> 00:19:56,929

I WALK IN FIRING ROOM ONE

731

00:19:56,929 --> 00:19:57,496

ALL THE TIME.

732

00:19:57,496 --> 00:19:58,096

THAT'S WHERE WE'RE GONNA

733

00:19:58,096 --> 00:19:59,231

LAUNCH ARTEMIS FROM.

734

00:19:59,231 --> 00:20:00,999

THE VERY SAME FIRING ROOM

735

00:20:00,999 --> 00:20:01,767

THAT WE HAD LAUNCHED

736

00:20:01,767 --> 00:20:03,635

APOLLO 11 FROM.

737

00:20:03,635 --> 00:20:05,270

AND IT IS NEVER LOST ON ME

738

00:20:05,270 --> 00:20:06,972

WHEN I WALK IN THERE.

739

00:20:06,972 --> 00:20:09,007

UM, THE WOMEN THAT HAVE

740

00:20:09,007 --> 00:20:10,375

PAVED THE WAY,

741

00:20:10,375 --> 00:20:12,444

UH, THAT-- YOU KNOW,

742

00:20:12,444 --> 00:20:13,712

THAT CAME BEFORE ME

743

00:20:13,712 --> 00:20:14,379

AND CAME BEFORE

744

00:20:14,379 --> 00:20:16,181

MANY OF US, UM,

745

00:20:16,181 --> 00:20:17,449

THAT REALLY ENABLED

746

00:20:17,449 --> 00:20:20,485

THE WORK THAT WE DO TODAY.

747

00:20:20,485 --> 00:20:21,753

>> THANK YOU.

748

00:20:21,753 --> 00:20:23,388

ALL RIGHT, THIS NEXT QUESTION

749

00:20:23,388 --> 00:20:26,024

IS FROM OUR CONGRESS WOMAN

750

00:20:26,024 --> 00:20:26,792

FROM THE GREAT STATE

751  
00:20:26,792 --> 00:20:29,828  
OF NEW YORK, GRACE MENG.

752  
00:20:29,828 --> 00:20:32,030  
>> WHAT IS A FIRST FOR WOMEN

753  
00:20:32,030 --> 00:20:33,632  
IN HUMAN SPACEFLIGHT THAT

754  
00:20:33,632 --> 00:20:36,535  
INSPIRES YOUR WORK TODAY?

755  
00:20:36,535 --> 00:20:37,436  
>> UH, PROBABLY THE ONE

756  
00:20:37,436 --> 00:20:38,170  
THAT'S NEAREST AND DEAREST

757  
00:20:38,170 --> 00:20:40,439  
TO MY HEART IS WHEN, UM,

758  
00:20:40,439 --> 00:20:41,340  
THE JOINT COMMANDERS

759  
00:20:41,340 --> 00:20:42,674  
BETWEEN DR. PEGGY WHITSON

760  
00:20:42,674 --> 00:20:44,509  
AND PAMELA MELROY WERE, UH,

761  
00:20:44,509 --> 00:20:45,877  
COMMANDING THE INTERNATIONAL

762  
00:20:45,877 --> 00:20:47,312  
SPACE STATION AND THE S--

763  
00:20:47,312 --> 00:20:49,348

UH, SHUTTLE DISCOVERY,

764

00:20:49,348 --> 00:20:50,749

UH, SIMULTANEOUSLY.

765

00:20:50,749 --> 00:20:52,718

THAT WAS DEFINITELY A FIRST,

766

00:20:52,718 --> 00:20:54,853

UH, THAT, UH, IS NEAR AND DEAR

767

00:20:54,853 --> 00:20:55,921

TO MY HEART.

768

00:20:55,921 --> 00:20:56,722

AND I THINK WAS VERY

769

00:20:56,722 --> 00:20:59,491

INSPIRATIONAL TO, UH--

770

00:20:59,491 --> 00:21:02,027

TO YOUNG GIRLS.

771

00:21:02,027 --> 00:21:04,162

>> WHAT FIRSTS IN REPRESENTATION

772

00:21:04,162 --> 00:21:05,797

ARE YOU EXCITED ABOUT SEEING

773

00:21:05,797 --> 00:21:07,366

BE ACHIEVED IN NASA

774

00:21:07,366 --> 00:21:09,601

SPACE PROGRAMS?

775

00:21:09,601 --> 00:21:12,137

>> I-- WELL, I THINK IT WOULD

776  
00:21:12,137 --> 00:21:14,172  
BE REALLY AMAZING TO SEE

777  
00:21:14,172 --> 00:21:16,041  
THE FIRST, UH, WOMAN

778  
00:21:16,041 --> 00:21:17,576  
WALK ON MARS SOMEDAY.

779  
00:21:17,576 --> 00:21:18,143  
UM, AND I HOPE

780  
00:21:18,143 --> 00:21:19,177  
I'LL BE ALIVE TO SEE THAT.

781  
00:21:19,177 --> 00:21:20,345  
BUT I THINK, YOU KNOW,

782  
00:21:20,345 --> 00:21:21,113  
BEYOND FIRSTS,

783  
00:21:21,113 --> 00:21:22,147  
IT'S IMPORTANT TO MAKE

784  
00:21:22,147 --> 00:21:23,048  
SURE THAT THERE ARE PEOPLE

785  
00:21:23,048 --> 00:21:24,616  
FOLLOWING THOSE WOMEN WHO-

786  
00:21:24,616 --> 00:21:25,150  
WHO ARE THE FIRST

787  
00:21:25,150 --> 00:21:25,617  
TO DO SOMETHING,

788  
00:21:25,617 --> 00:21:26,718

WHO CAN BLAZE THAT TRAIL.

789

00:21:26,718 --> 00:21:28,220

AND SO I'M-I'M

790

00:21:28,220 --> 00:21:28,954

REALLY LOOKING FORWARD

791

00:21:28,954 --> 00:21:31,223

TO SEEING WOMEN, YOU KNOW,

792

00:21:31,223 --> 00:21:33,091

IN PLACES OF LEADERSHIP

793

00:21:33,091 --> 00:21:34,860

AT EVERY NASA CENTER.

794

00:21:34,860 --> 00:21:35,927

UM, AT HEADQUARTERS.

795

00:21:35,927 --> 00:21:37,829

UM, JUST ACROSS THE AGENCY,

796

00:21:37,829 --> 00:21:38,697

I THINK THAT'S SO IMPORTANT

797

00:21:38,697 --> 00:21:40,432

AND, UM, CHARLIE IS SUCH

798

00:21:40,432 --> 00:21:41,967

A GREAT EXAMPLE OF THAT.

799

00:21:41,967 --> 00:21:43,268

AND-AND I HOPE THAT SHE CAN

800

00:21:43,268 --> 00:21:45,637

INSPIRE MORE PEOPLE TO-

801  
00:21:45,637 --> 00:21:47,039  
TO FOLLOW THAT AND THAT-THAT,

802  
00:21:47,039 --> 00:21:48,206  
UM, THE ENVIRONMENT CAN BE

803  
00:21:48,206 --> 00:21:50,375  
VERY INCLUSIVE AND SUPPORTIVE.

804  
00:21:50,375 --> 00:21:50,976  
>> SO LADIES,

805  
00:21:50,976 --> 00:21:52,110  
LET'S NOW TALK A LITTLE BIT

806  
00:21:52,110 --> 00:21:54,012  
ABOUT WHERE WE ARE TODAY.

807  
00:21:54,012 --> 00:21:54,946  
WE HAVE THIS WHOLE

808  
00:21:54,946 --> 00:21:56,214  
NEW GENERATION OF FEMALE

809  
00:21:56,214 --> 00:21:57,849  
EXPLORERS AND SCIENTISTS

810  
00:21:57,849 --> 00:21:58,884  
AND WE HAVE NASA'S

811  
00:21:58,884 --> 00:22:00,352  
ARTEMIS PROGRAM

812  
00:22:00,352 --> 00:22:01,219  
THAT WE'RE LOOKING TO LAND

813  
00:22:01,219 --> 00:22:02,721

THE FIRST WOMAN

814

00:22:02,721 --> 00:22:03,789

AND THE NEXT MAN

815

00:22:03,789 --> 00:22:04,423

ON THE SURFACE OF

816

00:22:04,423 --> 00:22:06,758

THE MOON BY 2024.

817

00:22:06,758 --> 00:22:08,326

WITH THIS ARTEMIS PROGRAM,

818

00:22:08,326 --> 00:22:09,161

THERE'S SO MUCH

819

00:22:09,161 --> 00:22:10,696

EXCITEMENT AROUND IT.

820

00:22:10,696 --> 00:22:12,130

AND SO MUCH OPPORTUNITY

821

00:22:12,130 --> 00:22:14,199

AND POSSIBILITY FOR ALL.

822

00:22:14,199 --> 00:22:15,200

WE'RE ACTUALLY LOOKING AT

823

00:22:15,200 --> 00:22:17,402

HAVING A SUSTAINED PRESENCE

824

00:22:17,402 --> 00:22:18,303

ON THE MOON.

825

00:22:18,303 --> 00:22:20,072

SO, GOING TO THE MOON

826

00:22:20,072 --> 00:22:20,939

AND TESTING OUT

827

00:22:20,939 --> 00:22:22,674

TECHNOLOGIES AND CAPABILITIES

828

00:22:22,674 --> 00:22:24,209

AND-AND GETTING US READY

829

00:22:24,209 --> 00:22:25,811

SO THAT WE CAN GO EVEN FURTHER,

830

00:22:25,811 --> 00:22:28,280

GO BEYOND TO MARS.

831

00:22:28,280 --> 00:22:29,748

SUCH AN EXCITING TIME.

832

00:22:29,748 --> 00:22:30,549

AND WE JUST LAUNCHED

833

00:22:30,549 --> 00:22:33,051

THE PERSEVERANCE ROVERS TO MARS.

834

00:22:33,051 --> 00:22:33,819

SO NOW LET'S TAKE

835

00:22:33,819 --> 00:22:34,886

ANOTHER QUESTION BY

836

00:22:34,886 --> 00:22:36,855

SENATOR CAPITO.

837

00:22:36,855 --> 00:22:37,756

>> I'M SO EXCITED ABOUT

838

00:22:37,756 --> 00:22:38,757

## THE ARTEMIS PROGRAM

839

00:22:38,757 --> 00:22:39,491

THAT WILL SEND

840

00:22:39,491 --> 00:22:41,326

THE FIRST WOMAN TO THE MOON.

841

00:22:41,326 --> 00:22:41,893

WHAT WILL THAT MOMENT

842

00:22:41,893 --> 00:22:43,395

MEAN TO YOU?

843

00:22:43,395 --> 00:22:45,363

>> SO I THINK BY GETTING

844

00:22:45,363 --> 00:22:46,131

TO TALK TO NASA

845

00:22:46,131 --> 00:22:47,199

SCIENTISTS AND ENGINEERS,

846

00:22:47,199 --> 00:22:48,200

A LOT OF THEM ARE REALLY

847

00:22:48,200 --> 00:22:49,968

INSPIRED BY, UH,

848

00:22:49,968 --> 00:22:50,669

WHEN NEIL ARMSTRONG

849

00:22:50,669 --> 00:22:51,603

FIRST LANDED ON THE MOON

850

00:22:51,603 --> 00:22:52,704

IN 1969.

851  
00:22:52,704 --> 00:22:54,673  
AND I THINK, UM,

852  
00:22:54,673 --> 00:22:55,941  
TO HAVE A WOMAN ON THERE

853  
00:22:55,941 --> 00:22:57,175  
AND TO HAVE A MOMENT

854  
00:22:57,175 --> 00:22:58,143  
LIKE THAT FOR-

855  
00:22:58,143 --> 00:22:58,877  
FOR WOMEN EVERYWHERE,

856  
00:22:58,877 --> 00:23:00,345  
THAT'S GOING TO BE-- YOU KNOW,

857  
00:23:00,345 --> 00:23:01,413  
THAT'S GONNA INSPIRE SO MANY

858  
00:23:01,413 --> 00:23:02,881  
LITTLE KIDS TO-TO

859  
00:23:02,881 --> 00:23:06,651  
WANT TO DO THE SAME THING.

860  
00:23:06,651 --> 00:23:08,220  
>> HOW IS NASA PREPARING

861  
00:23:08,220 --> 00:23:09,354  
THE CURRENT GENERATION

862  
00:23:09,354 --> 00:23:10,756  
OF WOMEN ASTRONAUTS

863  
00:23:10,756 --> 00:23:13,592

FOR DEEP SPACE FLIGHT?

864

00:23:13,592 --> 00:23:14,760

>> WE, UH, OF COURSE

865

00:23:14,760 --> 00:23:16,528

ARE SUPPORTING NOW THE, UH,

866

00:23:16,528 --> 00:23:18,196

INTERNATIONAL SPACE STATION.

867

00:23:18,196 --> 00:23:20,198

UH, WE HAVE FLIGHTS, UH,

868

00:23:20,198 --> 00:23:21,933

ABOARD THE, UH, SOYUZ VEHICLE.

869

00:23:21,933 --> 00:23:22,901

AND NOW WE'RE VERY EXCITED

870

00:23:22,901 --> 00:23:24,770

THAT THE COMMERCIAL CREW PROGRAM

871

00:23:24,770 --> 00:23:25,670

HAS BROUGHT TO US

872

00:23:25,670 --> 00:23:27,672

THE, UH, CREW DRAGON.

873

00:23:27,672 --> 00:23:29,941

UH, VIA THE SPACEX, UH,

874

00:23:29,941 --> 00:23:31,543

SPACE EXPLORATION COMPANY.

875

00:23:31,543 --> 00:23:32,878

AND THE, UH, BOEING COMPANY

876

00:23:32,878 --> 00:23:34,179  
IS ALSO PROVIDING THE, UH,

877

00:23:34,179 --> 00:23:36,114  
STARLINER VEHICLE TO TAKE US TO

878

00:23:36,114 --> 00:23:37,816  
THE INTERNATIONAL SPACE STATION,

879

00:23:37,816 --> 00:23:38,750  
WHERE WE CONDUCT, UH,

880

00:23:38,750 --> 00:23:39,818  
THE WONDERFUL RESEARCH

881

00:23:39,818 --> 00:23:40,819  
ABOARD THAT, UH,

882

00:23:40,819 --> 00:23:42,921  
INTERNATIONAL LABORATORY.

883

00:23:42,921 --> 00:23:44,856  
UH, WE CONTINUE ALSO, UH,

884

00:23:44,856 --> 00:23:46,691  
DEVELOPING THE ARTEMIS MISSION,

885

00:23:46,691 --> 00:23:47,459  
WHERE LOCKHEED MARTIN

886

00:23:47,459 --> 00:23:49,261  
IS DEVELOPING THE ORION,

887

00:23:49,261 --> 00:23:50,529  
UH, VEHICLE, UH,

888

00:23:50,529 --> 00:23:51,630

ON BOARD THE, UH, NASA,

889

00:23:51,630 --> 00:23:53,665

UH, PROVIDED AND DEVELOPED

890

00:23:53,665 --> 00:23:55,267

SPACE LAUNCH SYSTEM,

891

00:23:55,267 --> 00:23:56,168

UH, FOR THE ARTEMIS

892

00:23:56,168 --> 00:23:57,803

MISSIONS TO THE MOON.

893

00:23:57,803 --> 00:23:59,638

AND, UH, WE ARE STARTING,

894

00:23:59,638 --> 00:24:00,806

UH, TO WORK ON

895

00:24:00,806 --> 00:24:01,940

THOSE PROGRAMS NOW.

896

00:24:01,940 --> 00:24:03,909

WORKING ON THE LANDER PROGRAM

897

00:24:03,909 --> 00:24:06,144

AND, UH, AS WE LOOK, UH,

898

00:24:06,144 --> 00:24:07,846

ACROSS THE ARTEMIS MISSIONS,

899

00:24:07,846 --> 00:24:09,481

OF COURSE OUR WONDERFUL,

900

00:24:09,481 --> 00:24:11,082

UH, ROBOTIC MISSIONS,

901  
00:24:11,082 --> 00:24:13,151  
UH, MUCH AS THE-THE MARS

902  
00:24:13,151 --> 00:24:14,820  
2020 PERSEVERANCE WITH

903  
00:24:14,820 --> 00:24:16,321  
THE PERSEVERANCE ROVER,

904  
00:24:16,321 --> 00:24:18,190  
UH, GIVES US WONDERFUL, UH,

905  
00:24:18,190 --> 00:24:19,391  
INFORMATION AND INSIGHT

906  
00:24:19,391 --> 00:24:21,760  
INTO THE, UH, UH,

907  
00:24:21,760 --> 00:24:23,295  
MARTIAN ENVIRONMENT

908  
00:24:23,295 --> 00:24:24,462  
SUCH THAT WE CAN PREPARE

909  
00:24:24,462 --> 00:24:26,064  
FOR DEEP SPACE MISSIONS,

910  
00:24:26,064 --> 00:24:27,332  
UH, ONTO MARS.

911  
00:24:27,332 --> 00:24:28,300  
AND SO THOSE, UH,

912  
00:24:28,300 --> 00:24:29,534  
PROGRAMS ARE ONGOING,

913  
00:24:29,534 --> 00:24:31,002

AND THOSE PREPARATIONS AND,

914

00:24:31,002 --> 00:24:32,971

UH, INITIAL ASSESSMENTS ARE,

915

00:24:32,971 --> 00:24:34,639

UH-- ARE UNDER WAY AND,

916

00:24:34,639 --> 00:24:36,208

UH, WE'RE VERY EXCITED

917

00:24:36,208 --> 00:24:37,342

ABOUT THE, UH, FUTURE WORK

918

00:24:37,342 --> 00:24:40,378

IN THOSE PROGRAMS.

919

00:24:40,378 --> 00:24:41,680

>> THANK YOU, STEPHANIE.

920

00:24:41,680 --> 00:24:43,081

SO THIS NEXT QUESTION

921

00:24:43,081 --> 00:24:44,082

IS A SECOND QUESTION

922

00:24:44,082 --> 00:24:47,252

FROM EMILY.

923

00:24:47,252 --> 00:24:48,053

>> HOW DOES THE WORKFORCE

924

00:24:48,053 --> 00:24:49,421

AT NASA THAT'S WORKING ON

925

00:24:49,421 --> 00:24:50,789

THE ARTEMIS PROGRAM LOOK

926  
00:24:50,789 --> 00:24:51,489  
A LITTLE DIFFERENT

927  
00:24:51,489 --> 00:24:52,824  
THAN THE WORKFORCE THAT

928  
00:24:52,824 --> 00:24:54,993  
WORKED ON THE APOLLO PROGRAM,

929  
00:24:54,993 --> 00:24:58,463  
AND WHY IS THAT IMPORTANT?

930  
00:24:58,463 --> 00:24:59,130  
>> CHARLIE, COULD YOU

931  
00:24:59,130 --> 00:25:01,733  
ADDRESS THAT QUESTION?

932  
00:25:01,733 --> 00:25:03,068  
>> I CAN.

933  
00:25:03,068 --> 00:25:06,137  
UM, LAST SUMMER ACTUALLY,

934  
00:25:06,137 --> 00:25:06,972  
WHEN WE CELEBRATED

935  
00:25:06,972 --> 00:25:08,240  
THE 50th ANNIVERSARY

936  
00:25:08,240 --> 00:25:09,407  
OF APOLLO 11,

937  
00:25:09,407 --> 00:25:11,109  
WE ACTUALLY INVITED THE TEAM

938  
00:25:11,109 --> 00:25:13,345

TO COME BACK TO FIRING ROOM ONE.

939

00:25:13,345 --> 00:25:14,346

AND SO WHEN YOU

940

00:25:14,346 --> 00:25:15,213

LOOKED AT THE TEAM

941

00:25:15,213 --> 00:25:16,481

AND YOU LOOK AT OLD PHOTOS,

942

00:25:16,481 --> 00:25:17,849

THERE WERE 400 PEOPLE--

943

00:25:17,849 --> 00:25:18,884

ABOUT 400 PEOPLE

944

00:25:18,884 --> 00:25:20,118

IN FIRING ROOM ONE.

945

00:25:20,118 --> 00:25:20,652

AND THERE WAS--

946

00:25:20,652 --> 00:25:21,453

AS I SPOKE BEFORE,

947

00:25:21,453 --> 00:25:22,821

THERE WAS ONE WOMAN.

948

00:25:22,821 --> 00:25:24,522

UM, VERY LITTLE DIVERSITY

949

00:25:24,522 --> 00:25:25,724

IN THE ROOM AT ALL.

950

00:25:25,724 --> 00:25:27,559

AND SO WHEN YOU COMPARE

951  
00:25:27,559 --> 00:25:28,426  
SORT OF WHERE WE WERE

952  
00:25:28,426 --> 00:25:30,362  
IN APOLLO, UM,

953  
00:25:30,362 --> 00:25:32,197  
WHICH WAS PREDOMINANTLY MEN--

954  
00:25:32,197 --> 00:25:33,765  
PREDOMINANTLY WHITE MEN,

955  
00:25:33,765 --> 00:25:35,333  
UH, TO-TO WHERE WE ARE

956  
00:25:35,333 --> 00:25:36,101  
WITH ARTEMIS,

957  
00:25:36,101 --> 00:25:37,869  
WHEN I LOOK ACROSS OUR TEAM

958  
00:25:37,869 --> 00:25:40,071  
THAT'S ABOUT 100, UM,

959  
00:25:40,071 --> 00:25:42,073  
BIG IN FIRING ROOM ONE,

960  
00:25:42,073 --> 00:25:42,774  
YOU KNOW, IT IS--

961  
00:25:42,774 --> 00:25:44,609  
IT IS MUCH MORE DIVERSE,

962  
00:25:44,609 --> 00:25:46,344  
UM, ACROSS THE BOARD.

963  
00:25:46,344 --> 00:25:48,280

IT'S REALLY A REFLECTION OF-OF

964

00:25:48,280 --> 00:25:50,248

OUR SOCIETY THAT WE LIVE IN.

965

00:25:50,248 --> 00:25:52,083

AND FROM-FROM A FEMALE

966

00:25:52,083 --> 00:25:54,052

PARTICIPATION, OR, UH, WOMEN

967

00:25:54,052 --> 00:25:55,587

IN THESE TECHNICAL ROLES

968

00:25:55,587 --> 00:25:57,555

IN THE CONTROL CENTER,

969

00:25:57,555 --> 00:25:58,857

WE'VE DEFINITELY SEEN

970

00:25:58,857 --> 00:26:00,725

A STEADY INCREASE

971

00:26:00,725 --> 00:26:02,193

UH, FROM APOLLO WHERE WE HAD

972

00:26:02,193 --> 00:26:03,895

ONE-ONE OUT OF 400.

973

00:26:03,895 --> 00:26:06,398

SO 0.25%,

974

00:26:06,398 --> 00:26:08,633

UM, PRETTY LOW THERE.

975

00:26:08,633 --> 00:26:10,602

UM, AND SO AFTER WE HAD

976  
00:26:10,602 --> 00:26:11,269  
THE TEAM OUT,

977  
00:26:11,269 --> 00:26:12,570  
I ACTUALLY FLIPPED THROUGH

978  
00:26:12,570 --> 00:26:13,905  
AN OLD SEATING CHART--

979  
00:26:13,905 --> 00:26:14,806  
SO DON'T TAKE THIS

980  
00:26:14,806 --> 00:26:15,974  
AS SCIENTIFIC DATA.

981  
00:26:15,974 --> 00:26:17,175  
THIS IS JUST NOTIONAL--

982  
00:26:17,175 --> 00:26:18,176  
A QUICK SKIM.

983  
00:26:18,176 --> 00:26:19,744  
BUT WHEN I WENT AND FLIPPED

984  
00:26:19,744 --> 00:26:20,979  
THROUGH OUR SEATING CHART

985  
00:26:20,979 --> 00:26:21,479  
FOR THE END OF

986  
00:26:21,479 --> 00:26:22,781  
THE SHUTTLE PROGRAM,

987  
00:26:22,781 --> 00:26:25,450  
WE HAD ABOUT 200 PERSONNEL

988  
00:26:25,450 --> 00:26:26,384

IN THE PRIME OF

989

00:26:26,384 --> 00:26:28,153  
THE LAUNCH FIRING ROOM,

990

00:26:28,153 --> 00:26:31,256  
AND ABOUT 30 OR SO WERE WOMEN,

991

00:26:31,256 --> 00:26:32,624  
GIVE OR TAKE A LITTLE BIT.

992

00:26:32,624 --> 00:26:33,959  
AND SO ABOUT 15%.

993

00:26:33,959 --> 00:26:34,993  
SO WE WENT FROM

994

00:26:34,993 --> 00:26:36,828  
A REALLY SMALL NUMBER

995

00:26:36,828 --> 00:26:38,063  
TO ABOUT 15%.

996

00:26:38,063 --> 00:26:39,130  
AND SO WHEN YOU LOOK AT

997

00:26:39,130 --> 00:26:40,999  
OUR TEAM TODAY, UM,

998

00:26:40,999 --> 00:26:42,200  
WE PROBABLY-- OUT OF

999

00:26:42,200 --> 00:26:44,536  
THE 100 ENGINEERS, UH,

1000

00:26:44,536 --> 00:26:45,270  
THAT WILL SIT IN

1001  
00:26:45,270 --> 00:26:46,571  
THE-THE FIRING ROOM ON

1002  
00:26:46,571 --> 00:26:47,973  
LAUNCH DAY WE COUNT SOMEWHERE

1003  
00:26:47,973 --> 00:26:49,341  
IN THE 30 TO 40 RANGE.

1004  
00:26:49,341 --> 00:26:52,043  
SO BEING-BEING A DATA PERSON,

1005  
00:26:52,043 --> 00:26:53,712  
I LOOK AT THAT AND I SAY,

1006  
00:26:53,712 --> 00:26:54,579  
YOU KNOW, THERE IS STILL

1007  
00:26:54,579 --> 00:26:55,947  
ROOM FOR GROWTH, RIGHT?

1008  
00:26:55,947 --> 00:26:57,615  
SO WHEN WE GET READY FOR--

1009  
00:26:57,615 --> 00:26:59,217  
UM, AS WE GO FORWARD

1010  
00:26:59,217 --> 00:27:00,518  
IN-IN ARTEMIS,

1011  
00:27:00,518 --> 00:27:02,153  
THERE-THERE IS ABSOLUTELY

1012  
00:27:02,153 --> 00:27:03,655  
ROOM FOR-FOR GROWTH THERE.

1013  
00:27:03,655 --> 00:27:05,657

BUT THE SLOPE OF OUR CURVE

1014

00:27:05,657 --> 00:27:07,359

IS DEFINITELY, UH,

1015

00:27:07,359 --> 00:27:09,260

IN A GOOD DIRECTION.

1016

00:27:09,260 --> 00:27:10,261

>> AND AS WE THINK ABOUT

1017

00:27:10,261 --> 00:27:11,730

THE DIFFERENCE IN DIVERSITY

1018

00:27:11,730 --> 00:27:13,732

FROM THE APOLLO DAYS TO TODAY

1019

00:27:13,732 --> 00:27:15,066

AND THE-THE RATIO OF

1020

00:27:15,066 --> 00:27:17,102

WOMEN TO MEN AND THE FACT

1021

00:27:17,102 --> 00:27:17,702

THAT WE'RE GONNA BE

1022

00:27:17,702 --> 00:27:19,204

INCREASING MORE WOMEN,

1023

00:27:19,204 --> 00:27:20,472

YOU KNOW, IN THE FUTURE,

1024

00:27:20,472 --> 00:27:22,207

HOW HAVE YOU BEEN ABLE

1025

00:27:22,207 --> 00:27:23,908

TO JUGGLE PRIORITIES

1026  
00:27:23,908 --> 00:27:25,677  
BETWEEN WORK LIFE

1027  
00:27:25,677 --> 00:27:27,012  
AND-AND HOME LIFE

1028  
00:27:27,012 --> 00:27:27,812  
AND MAKING SURE THAT

1029  
00:27:27,812 --> 00:27:28,646  
YOU'RE ESTABLISHING

1030  
00:27:28,646 --> 00:27:31,416  
THAT-THAT BALANCE?

1031  
00:27:31,416 --> 00:27:32,183  
>> I WOULD SAY THAT'S

1032  
00:27:32,183 --> 00:27:34,753  
PROBABLY-- FOR-FOR ME,

1033  
00:27:34,753 --> 00:27:36,054  
PROBABLY ONE OF THE HARDEST

1034  
00:27:36,054 --> 00:27:38,156  
CHALLENGES, BECAUSE I--

1035  
00:27:38,156 --> 00:27:38,723  
ESPECIALLY WHEN

1036  
00:27:38,723 --> 00:27:40,492  
MY KIDS WERE YOUNGER.

1037  
00:27:40,492 --> 00:27:42,093  
UM, I HAVE A-- I HAVE

1038  
00:27:42,093 --> 00:27:44,329

A FAMILY THAT I-I LOVE.

1039

00:27:44,329 --> 00:27:45,397

I-- AND YOU WANT TO BE

1040

00:27:45,397 --> 00:27:46,531

INVOLVED IN ALL THE THINGS

1041

00:27:46,531 --> 00:27:48,299

THAT YOUR KIDS ARE DOING.

1042

00:27:48,299 --> 00:27:49,567

AND YOU WANT TO BE ABLE TO,

1043

00:27:49,567 --> 00:27:50,735

YOU KNOW, GO WATCH

1044

00:27:50,735 --> 00:27:51,536

WHEN THEY'RE DOING

1045

00:27:51,536 --> 00:27:52,537

VARIOUS ACTIVITIES.

1046

00:27:52,537 --> 00:27:53,538

BAND, SPORTS,

1047

00:27:53,538 --> 00:27:55,106

SCHOOL ACTIVITIES.

1048

00:27:55,106 --> 00:27:56,508

AND-AND YET, I HAVE

1049

00:27:56,508 --> 00:27:58,309

A-A JOB THAT I ALSO LOVE.

1050

00:27:58,309 --> 00:27:59,110

AND SO LEARNING TO

1051  
00:27:59,110 --> 00:28:01,646  
BALANCE BETWEEN THEM WAS-WAS

1052  
00:28:01,646 --> 00:28:03,148  
REALLY IMPORTANT FOR ME.

1053  
00:28:03,148 --> 00:28:05,517  
AND IT CAME DOWN FOR ME--

1054  
00:28:05,517 --> 00:28:06,818  
AND THIS MAY NOT BE AN ANSWER

1055  
00:28:06,818 --> 00:28:07,619  
FOR ANYONE ELSE.

1056  
00:28:07,619 --> 00:28:08,253  
BUT FOR ME,

1057  
00:28:08,253 --> 00:28:10,622  
IT CAME DOWN TO UNDERSTANDING

1058  
00:28:10,622 --> 00:28:12,323  
WHAT THE "MUST-DO'S" ARE.

1059  
00:28:12,323 --> 00:28:13,158  
THE MUST-DO'S AT HOME

1060  
00:28:13,158 --> 00:28:15,093  
AND THE MUST-DO'S AT-AT WORK.

1061  
00:28:15,093 --> 00:28:16,594  
AND-AND, YOU KNOW,

1062  
00:28:16,594 --> 00:28:17,262  
WHEN YOU UNDERSTAND

1063  
00:28:17,262 --> 00:28:18,063

## YOUR REQUIREMENTS

1064

00:28:18,063 --> 00:28:19,264

AND WHAT YOU'VE GOT TO DO,

1065

00:28:19,264 --> 00:28:20,698

YOU TAKE CARE OF THOSE THINGS,

1066

00:28:20,698 --> 00:28:21,866

AND THE THINGS THAT ARE--

1067

00:28:21,866 --> 00:28:23,868

THAT MAYBE ARE NICE TO DO

1068

00:28:23,868 --> 00:28:25,136

BUT NOT "GOT TO DO'S,"

1069

00:28:25,136 --> 00:28:26,805

YOU KNOW, THOSE GET A LOT

1070

00:28:26,805 --> 00:28:27,839

LOWER ON THE LIST.

1071

00:28:27,839 --> 00:28:28,940

AND THAT WAS PART OF THE WAY

1072

00:28:28,940 --> 00:28:30,108

THAT I LEARNED THE BALANCE

1073

00:28:30,108 --> 00:28:33,378

BETWEEN THE TWO.

1074

00:28:33,378 --> 00:28:35,547

>> AWESOME, THANK YOU SO MUCH.

1075

00:28:35,547 --> 00:28:36,748

SO THIS NEXT QUESTION

1076

00:28:36,748 --> 00:28:38,116

IS FROM KATIE JEVIN,

1077

00:28:38,116 --> 00:28:40,051

WHO IS A SOCIAL MEDIA INTERN

1078

00:28:40,051 --> 00:28:42,954

AT JOHNSON SPACE CENTER.

1079

00:28:42,954 --> 00:28:43,755

>> WHAT ADVICE DO YOU HAVE

1080

00:28:43,755 --> 00:28:44,889

FOR WOMEN EXPERIENCING

1081

00:28:44,889 --> 00:28:46,024

IMPOSTER SYNDROME,

1082

00:28:46,024 --> 00:28:46,758

ESPECIALLY IN

1083

00:28:46,758 --> 00:28:49,527

MALE-DOMINATED FIELDS?

1084

00:28:49,527 --> 00:28:51,196

>> I WOULD SAY...

1085

00:28:51,196 --> 00:28:53,865

WE'VE PROBABLY ALL HAD A MOMENT

1086

00:28:53,865 --> 00:28:55,467

WHERE WE HAD THAT

1087

00:28:55,467 --> 00:28:56,534

IMPOSTER MOMENT, RIGHT?

1088

00:28:56,534 --> 00:28:59,070

WHERE YOU QUESTIONED MAYBE--

1089

00:28:59,070 --> 00:29:00,538

UM, YOU KNOW,

1090

00:29:00,538 --> 00:29:02,173

YOU-YOU QUESTION

1091

00:29:02,173 --> 00:29:03,641

SORT OF HOW YOU GOT HERE

1092

00:29:03,641 --> 00:29:05,343

OR-OR MAYBE, YOU KNOW,

1093

00:29:05,343 --> 00:29:07,045

THE-THE VALUE.

1094

00:29:07,045 --> 00:29:08,580

UM, OR YOU KNOW,

1095

00:29:08,580 --> 00:29:10,315

HOW GOOD YOU ARE AT SOMETHING.

1096

00:29:10,315 --> 00:29:12,650

I THINK THE KEY IS--

1097

00:29:12,650 --> 00:29:14,652

IN-IN MY MIND IS

1098

00:29:14,652 --> 00:29:16,287

RECOGNIZING THAT-THAT

1099

00:29:16,287 --> 00:29:17,322

THAT MOMENT

1100

00:29:17,322 --> 00:29:18,623

IS PROBABLY NORMAL.

1101

00:29:18,623 --> 00:29:19,491

BUT YOU DON'T WANT TO HAVE

1102

00:29:19,491 --> 00:29:21,025

THAT IMPOSTER CAREER, RIGHT?

1103

00:29:21,025 --> 00:29:22,227

WHERE YOU LOOK OVER YOUR CAREER

1104

00:29:22,227 --> 00:29:23,828

AND YOU SAY, "OH MY GOODNESS,"

1105

00:29:23,828 --> 00:29:25,063

UH, YOU KNOW,

1106

00:29:25,063 --> 00:29:26,297

AND-AND QUESTION THAT.

1107

00:29:26,297 --> 00:29:28,032

WHAT-WHAT I WOULD SAY

1108

00:29:28,032 --> 00:29:29,968

TO SOMEONE IS,

1109

00:29:29,968 --> 00:29:31,736

DON'T FORGET THE HARD WORK

1110

00:29:31,736 --> 00:29:33,104

THAT YOU PUT IN.

1111

00:29:33,104 --> 00:29:34,939

DON'T FORGET, YOU KNOW,

1112

00:29:34,939 --> 00:29:36,207

THE-- YOU KNOW, THAT YOU

1113

00:29:36,207 --> 00:29:37,342

HAVE BEEN TRAINED FOR THIS.

1114

00:29:37,342 --> 00:29:38,643

THAT YOU PUT THE HARD WORK IN,

1115

00:29:38,643 --> 00:29:40,211

THAT YOU'RE DEDICATED.

1116

00:29:40,211 --> 00:29:42,213

UM, GIVE YOURSELF THE ADVICE

1117

00:29:42,213 --> 00:29:43,948

THAT YOU WOULD GIVE TO A FRIEND.

1118

00:29:43,948 --> 00:29:44,616

IF SOMEONE THAT

1119

00:29:44,616 --> 00:29:45,483

YOU WERE TALKING TO,

1120

00:29:45,483 --> 00:29:46,918

A MENTOR, A FRIEND,

1121

00:29:46,918 --> 00:29:47,952

AND-AND YOU WERE--

1122

00:29:47,952 --> 00:29:49,988

YOU WERE RELAYING THE SITUATION,

1123

00:29:49,988 --> 00:29:50,722

WHAT'S-- WHAT WOULD

1124

00:29:50,722 --> 00:29:52,157

YOU TELL THEM?

1125

00:29:52,157 --> 00:29:53,091

UH, AND GIVE THAT

1126  
00:29:53,091 --> 00:29:54,492  
SAME ADVICE TO YOURSELF,

1127  
00:29:54,492 --> 00:29:55,994  
BECAUSE THE REALITY IS,

1128  
00:29:55,994 --> 00:29:57,795  
IS THAT YOU GOT THIS, RIGHT?

1129  
00:29:57,795 --> 00:29:59,164  
YOU GOT IT.

1130  
00:29:59,164 --> 00:30:00,498  
AND YOU'VE WORKED FOR IT

1131  
00:30:00,498 --> 00:30:01,466  
AND YOU DESERVE IT

1132  
00:30:01,466 --> 00:30:02,967  
AND YOU PUT THE TIME IN

1133  
00:30:02,967 --> 00:30:03,735  
AND YOU'RE TRAINED,

1134  
00:30:03,735 --> 00:30:05,503  
OR YOU WOULDN'T BE HERE.

1135  
00:30:05,503 --> 00:30:07,672  
UH, AND SO I WOULD SAY THAT.

1136  
00:30:07,672 --> 00:30:08,773  
AND THEN ON TOP OF IT,

1137  
00:30:08,773 --> 00:30:09,307  
I WOULD SAY,

1138  
00:30:09,307 --> 00:30:11,409

TAKE THOSE MOMENTS.

1139

00:30:11,409 --> 00:30:12,977

WE ALL HAVE THEM, RIGHT?

1140

00:30:12,977 --> 00:30:16,548

TAKE A MOMENT WHERE YOU KNEW

1141

00:30:16,548 --> 00:30:19,717

THAT THIS IS MADE FOR ME, RIGHT?

1142

00:30:19,717 --> 00:30:21,119

I AM IN MY GROOVE.

1143

00:30:21,119 --> 00:30:23,121

I-- YOU KNOW, I KNOW IT.

1144

00:30:23,121 --> 00:30:24,389

AND-AND WHEN YOU HAVE

1145

00:30:24,389 --> 00:30:26,391

THAT MOMENT OF DOUBT,

1146

00:30:26,391 --> 00:30:27,592

REFLECT ON THAT MOMENT

1147

00:30:27,592 --> 00:30:28,526

WHEN YOU KNEW,

1148

00:30:28,526 --> 00:30:30,595

"THIS JOB IS MINE," RIGHT?

1149

00:30:30,595 --> 00:30:31,896

"THIS JOB IS FOR ME,

1150

00:30:31,896 --> 00:30:33,398

I LOVE IT."

1151  
00:30:33,398 --> 00:30:34,966  
AND THEN ALSO THINK ABOUT--

1152  
00:30:34,966 --> 00:30:37,602  
UM, FOR ME THIS IS IMPORTANT,

1153  
00:30:37,602 --> 00:30:39,537  
IS THE-- YOU KNOW,

1154  
00:30:39,537 --> 00:30:41,072  
THE-THE EXAMPLE THAT

1155  
00:30:41,072 --> 00:30:43,074  
YOU'RE SETTING FOR

1156  
00:30:43,074 --> 00:30:45,009  
THE NEXT GENERATION TO COME.

1157  
00:30:45,009 --> 00:30:46,844  
AND THAT MANY OF US,

1158  
00:30:46,844 --> 00:30:48,546  
UM, HAVE LEARNED FROM

1159  
00:30:48,546 --> 00:30:49,981  
THE FOLKS THAT CAME BEFORE US--

1160  
00:30:49,981 --> 00:30:51,583  
MEN AND WOMEN.

1161  
00:30:51,583 --> 00:30:52,584  
AND WE'VE LEARNED FROM THEM.

1162  
00:30:52,584 --> 00:30:53,418  
AND THERE ARE PEOPLE

1163  
00:30:53,418 --> 00:30:56,087

THAT ARE WATCHING ALL OF US.

1164

00:30:56,087 --> 00:30:57,689

WATCHING MAYBE

1165

00:30:57,689 --> 00:30:59,390

BEYOND THIS PANEL, RIGHT?

1166

00:30:59,390 --> 00:31:00,358

WATCHING YOUR PARENTS

1167

00:31:00,358 --> 00:31:01,359

AND YOUR TEACHERS

1168

00:31:01,359 --> 00:31:03,127

AND PEOPLE IN YOUR COMMUNITY.

1169

00:31:03,127 --> 00:31:04,362

AND, YOU KNOW,

1170

00:31:04,362 --> 00:31:05,830

YOU'RE AN EXAMPLE TO THEM

1171

00:31:05,830 --> 00:31:07,599

OF ALL THAT CAN BE ACCOMPLISHED.

1172

00:31:07,599 --> 00:31:09,067

AND SO DON'T-DON'T

1173

00:31:09,067 --> 00:31:10,768

GET IN YOUR OWN HEAD.

1174

00:31:10,768 --> 00:31:12,804

BUT REMEMBER, UM-- YOU KNOW,

1175

00:31:12,804 --> 00:31:14,005

REMEMBER THOSE-THOSE

1176  
00:31:14,005 --> 00:31:16,174  
MOMENTS THAT-THAT YOU KNEW,

1177  
00:31:16,174 --> 00:31:18,810  
"HEY, I GOT THIS."

1178  
00:31:18,810 --> 00:31:20,245  
>> THAT'S ABSOLUTELY TRUE.

1179  
00:31:20,245 --> 00:31:20,912  
THANK YOU SO MUCH

1180  
00:31:20,912 --> 00:31:21,813  
FOR THAT, CHARLIE.

1181  
00:31:21,813 --> 00:31:22,580  
ONE THING THAT I WILL

1182  
00:31:22,580 --> 00:31:24,215  
ADD TO THAT IS, YOU KNOW,

1183  
00:31:24,215 --> 00:31:25,283  
SOMETIMES WHEN YOU ARE

1184  
00:31:25,283 --> 00:31:26,351  
NEW IN A POSITION

1185  
00:31:26,351 --> 00:31:28,253  
OR WHEN YOU GET A POSITION,

1186  
00:31:28,253 --> 00:31:30,021  
YOU MAY NOT KNOW

1187  
00:31:30,021 --> 00:31:30,922  
ALL OF THE INFORMATION

1188  
00:31:30,922 --> 00:31:32,056

THAT YOU NEED TO KNOW ABOUT IT.

1189

00:31:32,056 --> 00:31:33,958

YOU MAY NOT BE THE BEST--

1190

00:31:33,958 --> 00:31:34,926

YOU KNOW, THE SMARTEST PERSON

1191

00:31:34,926 --> 00:31:36,628

IN THE ROOM WHEN IT COMES TO

1192

00:31:36,628 --> 00:31:38,129

YOUR SPECIFIC JOB,

1193

00:31:38,129 --> 00:31:39,897

AND THAT'S OKAY!

1194

00:31:39,897 --> 00:31:40,832

MOST PEOPLE, WHEN THEY

1195

00:31:40,832 --> 00:31:42,300

FIRST START A JOB,

1196

00:31:42,300 --> 00:31:43,901

DON'T KNOW EVERYTHING ABOUT IT.

1197

00:31:43,901 --> 00:31:46,137

AND IF YOU COMPARE YOURSELF

1198

00:31:46,137 --> 00:31:46,938

TO THE OTHER PEOPLE IN

1199

00:31:46,938 --> 00:31:47,672

THE ROOM LIKE SOME OF

1200

00:31:47,672 --> 00:31:49,073

THE MEN WHO, YOU KNOW,

1201  
00:31:49,073 --> 00:31:50,341  
THEY SOMETIMES WILL WALK IN

1202  
00:31:50,341 --> 00:31:51,542  
AND THEY HAVE A SAYING.

1203  
00:31:51,542 --> 00:31:52,076  
YOU KNOW,

1204  
00:31:52,076 --> 00:31:53,578  
"FAKE IT UNTIL YOU MAKE IT."

1205  
00:31:53,578 --> 00:31:55,146  
THEY WILL JUST CHARGE ON IN

1206  
00:31:55,146 --> 00:31:56,514  
AND JUST, YOU KNOW,

1207  
00:31:56,514 --> 00:31:57,181  
WALK THE TALK.

1208  
00:31:57,181 --> 00:31:58,983  
AND-AND STAND FIRM AND STRONG

1209  
00:31:58,983 --> 00:32:00,385  
IN THE FACT THAT THEY ARE THERE

1210  
00:32:00,385 --> 00:32:01,252  
AND THEY-THEY KNOW

1211  
00:32:01,252 --> 00:32:02,720  
THEY HAVE A RIGHT TO BE THERE.

1212  
00:32:02,720 --> 00:32:05,290  
MANY OF OUR-OUR WOMEN

1213  
00:32:05,290 --> 00:32:06,624

END UP FINDING THEMSELVES

1214

00:32:06,624 --> 00:32:07,859

IN THAT KIND OF SITUATION

1215

00:32:07,859 --> 00:32:09,127

AND THEY SHY AWAY

1216

00:32:09,127 --> 00:32:10,928

FROM SHOWING PEOPLE THAT

1217

00:32:10,928 --> 00:32:12,563

THEY DON'T NECESSARILY KNOW.

1218

00:32:12,563 --> 00:32:13,431

SO, THEY MAY SIT

1219

00:32:13,431 --> 00:32:14,332

IN THE BACK OF THE ROOM

1220

00:32:14,332 --> 00:32:15,600

WHEN THEY WALK INTO A MEETING

1221

00:32:15,600 --> 00:32:16,534

OR ALONG THE WALL

1222

00:32:16,534 --> 00:32:18,202

INSTEAD OF AT THE TABLE,

1223

00:32:18,202 --> 00:32:19,370

BECAUSE THEY DON'T NECESSARILY

1224

00:32:19,370 --> 00:32:20,838

WANT TO ASK THE QUESTIONS

1225

00:32:20,838 --> 00:32:22,273

OR ENGAGE.

1226  
00:32:22,273 --> 00:32:22,807  
BUT I WILL--

1227  
00:32:22,807 --> 00:32:24,409  
YOU'LL FIND THAT IF YOU

1228  
00:32:24,409 --> 00:32:26,177  
SHY AWAY FROM

1229  
00:32:26,177 --> 00:32:27,912  
LEARNING AS MUCH AS YOU CAN

1230  
00:32:27,912 --> 00:32:28,913  
AND ENGAGING AS MUCH

1231  
00:32:28,913 --> 00:32:30,048  
AS YOU CAN,

1232  
00:32:30,048 --> 00:32:31,149  
IT MAKES YOUR LEARNING CURVE

1233  
00:32:31,149 --> 00:32:32,750  
SO MUCH LONGER.

1234  
00:32:32,750 --> 00:32:34,152  
SO I WOULD SAY TO YOU,

1235  
00:32:34,152 --> 00:32:34,986  
UNDERSTAND THAT

1236  
00:32:34,986 --> 00:32:36,621  
THE-THE SKILLSET--

1237  
00:32:36,621 --> 00:32:38,423  
THE SKILLSET THAT YOU HAVE

1238  
00:32:38,423 --> 00:32:39,324

AND THE EXPERTISE

1239

00:32:39,324 --> 00:32:40,858

THAT YOU DO HAVE

1240

00:32:40,858 --> 00:32:42,627

IS OF VALUE,

1241

00:32:42,627 --> 00:32:44,395

EVEN IF IT'S NOT, YOU KNOW,

1242

00:32:44,395 --> 00:32:45,496

AT THE TOP LEVEL.

1243

00:32:45,496 --> 00:32:46,931

UH, AND YOU HAVE A BEAUTIFUL--

1244

00:32:46,931 --> 00:32:48,266

YOU'RE BEAUTIFULLY, UNIQUELY,

1245

00:32:48,266 --> 00:32:50,768

QUALIFIED TO BE WHERE YOU ARE.

1246

00:32:50,768 --> 00:32:51,969

AND THERE'S THAT VALUE

1247

00:32:51,969 --> 00:32:52,970

THAT COMES TO THE TABLE.

1248

00:32:52,970 --> 00:32:54,439

JUST THE FACT THAT, MANY TIMES,

1249

00:32:54,439 --> 00:32:55,440

YOU ARE A WOMAN.

1250

00:32:55,440 --> 00:32:57,008

AND SHE ASKED THE QUESTION,

1251  
00:32:57,008 --> 00:32:58,609  
IN A MALE DOM--DOMINATED

1252  
00:32:58,609 --> 00:33:00,311  
ENVIRONMENT, JUST THE FACT

1253  
00:33:00,311 --> 00:33:01,579  
THAT YOU ARE A WOMAN

1254  
00:33:01,579 --> 00:33:02,613  
BRINGS SOME BEAUTIFUL

1255  
00:33:02,613 --> 00:33:04,115  
UNIQUENESS TO THE TABLE

1256  
00:33:04,115 --> 00:33:06,217  
IN DIFFERENT LIFE EXPERIENCES,

1257  
00:33:06,217 --> 00:33:07,785  
DIFFERENT EXPOSURES.

1258  
00:33:07,785 --> 00:33:08,720  
AND SO THE WAY THAT

1259  
00:33:08,720 --> 00:33:10,054  
YOU COME AT SOLUTIONS

1260  
00:33:10,054 --> 00:33:10,755  
FOR PROBLEMS THAT

1261  
00:33:10,755 --> 00:33:12,090  
YOU MAY HAVE FACED

1262  
00:33:12,090 --> 00:33:13,157  
WILL BE DIFFERENT FROM

1263  
00:33:13,157 --> 00:33:14,058

SOME OF THE ONES THAT

1264

00:33:14,058 --> 00:33:15,727

THE-THE MEN BRING TO THE TABLE.

1265

00:33:15,727 --> 00:33:17,261

SO IT REALLY STARTS WITH

1266

00:33:17,261 --> 00:33:18,629

WHAT CHARLIE SAID.

1267

00:33:18,629 --> 00:33:20,164

IT'S-IT'S RIGHT HERE.

1268

00:33:20,164 --> 00:33:21,632

YOU HAVE GOT TO-TO MAKE SURE

1269

00:33:21,632 --> 00:33:23,601

THAT YOU KNOW YOU'VE GOT THIS.

1270

00:33:23,601 --> 00:33:25,603

YOU DESERVE TO BE HERE.

1271

00:33:25,603 --> 00:33:26,504

SO TAKE ADVANTAGE

1272

00:33:26,504 --> 00:33:27,538

OF EVERY MOMENT

1273

00:33:27,538 --> 00:33:29,273

THAT YOU ARE THERE.

1274

00:33:29,273 --> 00:33:30,708

OUR NEXT QUESTION COMES FROM

1275

00:33:30,708 --> 00:33:35,713

SOPHIA MARTINEZ FROM UCLA.

1276  
00:33:35,713 --> 00:33:36,981  
>> WHAT CURRENT ACTION PLAN

1277  
00:33:36,981 --> 00:33:38,216  
AND MAJOR MILESTONE GOALS

1278  
00:33:38,216 --> 00:33:39,183  
ARE IN PLACE TO

1279  
00:33:39,183 --> 00:33:39,817  
TRY AND ELIMINATE

1280  
00:33:39,817 --> 00:33:42,186  
THE GENDER GAP AT NASA?

1281  
00:33:42,186 --> 00:33:42,587  
>> WELL, LET'S SEE,

1282  
00:33:42,587 --> 00:33:43,354  
I'M GONNA TAKE

1283  
00:33:43,354 --> 00:33:45,423  
THE QUESTION FROM, UM,

1284  
00:33:45,423 --> 00:33:45,990  
MAYBE A LITTLE

1285  
00:33:45,990 --> 00:33:47,392  
DIFFERENT PERSPECTIVE,

1286  
00:33:47,392 --> 00:33:48,025  
MAYBE NOT FROM

1287  
00:33:48,025 --> 00:33:49,494  
THE BIG NASA PERSPECTIVE,

1288  
00:33:49,494 --> 00:33:50,495

SO MAYBE SOMEONE ELSE

1289

00:33:50,495 --> 00:33:52,430

ON THE PANEL CAN SPEAK TO THAT.

1290

00:33:52,430 --> 00:33:53,698

UM, BUT I WANT TO SPEAK TO IT

1291

00:33:53,698 --> 00:33:55,500

AS A TECHNICAL LEADER.

1292

00:33:55,500 --> 00:33:58,302

UM, SO TO ME,

1293

00:33:58,302 --> 00:33:59,070

WHEN WE START TO

1294

00:33:59,070 --> 00:34:00,204

THINK ABOUT ADDRESSING

1295

00:34:00,204 --> 00:34:01,773

THE GENDER GAP AT NASA

1296

00:34:01,773 --> 00:34:03,908

OR-OR THE-THE GENDER GAP

1297

00:34:03,908 --> 00:34:05,410

IN TECHNICAL FIELDS,

1298

00:34:05,410 --> 00:34:06,411

IT REALLY STARTS WITH

1299

00:34:06,411 --> 00:34:08,279

THAT STUDY IN STEM.

1300

00:34:08,279 --> 00:34:10,047

AND ENCOURAGING AND JUST

1301  
00:34:10,047 --> 00:34:11,082  
LIKE I HAD THAT TEACHER

1302  
00:34:11,082 --> 00:34:12,717  
THAT ENCOURAGED ME.

1303  
00:34:12,717 --> 00:34:13,451  
YOU KNOW,

1304  
00:34:13,451 --> 00:34:14,519  
IT-IT IS INCUMBENT

1305  
00:34:14,519 --> 00:34:15,586  
UPON ALL OF US

1306  
00:34:15,586 --> 00:34:17,188  
TO-TO ENCOURAGE

1307  
00:34:17,188 --> 00:34:18,956  
THE YOUTH AROUND US.

1308  
00:34:18,956 --> 00:34:21,626  
UM, I'D LOVE NOTHING BETTER

1309  
00:34:21,626 --> 00:34:22,660  
THAN ENGAGING WITH

1310  
00:34:22,660 --> 00:34:23,594  
THE LOCAL SCHOOLS

1311  
00:34:23,594 --> 00:34:25,396  
AND MY HOMETOWN SCHOOLS,

1312  
00:34:25,396 --> 00:34:27,565  
UH, AND ENCOURAGING STUDENTS

1313  
00:34:27,565 --> 00:34:29,500

TO STUDY IN THE STEM FIELD.

1314

00:34:29,500 --> 00:34:30,968

AND I ALSO THINK ANOTHER THING

1315

00:34:30,968 --> 00:34:31,669

AND YOU-- CHRISTYL,

1316

00:34:31,669 --> 00:34:32,904

YOU-YOU MENTIONED THIS

1317

00:34:32,904 --> 00:34:34,705

IN THE PRIOR QUESTION,

1318

00:34:34,705 --> 00:34:36,140

UM, ABOUT, UH,

1319

00:34:36,140 --> 00:34:37,041

AN ELEMENT OF THIS,

1320

00:34:37,041 --> 00:34:39,010

BUT IT'S IN THAT MENTORING.

1321

00:34:39,010 --> 00:34:40,611

SO WHEN-WHEN FOLKS BECOME--

1322

00:34:40,611 --> 00:34:41,479

WHEN YOUNG WOMEN

1323

00:34:41,479 --> 00:34:42,613

COME INTO THE WORKFORCE,

1324

00:34:42,613 --> 00:34:43,214

YOU'RE RIGHT.

1325

00:34:43,214 --> 00:34:45,149

THEY DON'T ALWAYS HAVE, UM,

1326

00:34:45,149 --> 00:34:46,717

MAYBE ALL OF THE CONFIDENCE.

1327

00:34:46,717 --> 00:34:48,519

OR MAYBE ALL OF THE ANSWERS.

1328

00:34:48,519 --> 00:34:50,221

AND SO GETTING A MENTOR,

1329

00:34:50,221 --> 00:34:52,390

BEING A MENTOR, UM,

1330

00:34:52,390 --> 00:34:55,460

IS-IS EXTREMELY IMPORTANT.

1331

00:34:55,460 --> 00:34:56,360

>> THIS NEXT QUESTION

1332

00:34:56,360 --> 00:34:58,963

COMES FROM SENATOR CAPITO.

1333

00:35:01,466 --> 00:35:02,767

>> WHAT DO YOU TELL YOUNG GIRLS

1334

00:35:02,767 --> 00:35:03,835

WHO ARE INTERESTED IN

1335

00:35:03,835 --> 00:35:08,406

SPACE-RELATED FIELDS?

1336

00:35:08,406 --> 00:35:09,073

>> AND CLARA,

1337

00:35:09,073 --> 00:35:10,708

THIS QUESTION IS FOR YOU.

1338

00:35:10,708 --> 00:35:11,809

AND ALSO, WHAT WOULD

1339

00:35:11,809 --> 00:35:13,010

YOUR CALL TO ACTION BE

1340

00:35:13,010 --> 00:35:14,178

FOR THE YOUNGER GENERATION

1341

00:35:14,178 --> 00:35:16,614

AS YOU ANSWER THAT QUESTION?

1342

00:35:16,614 --> 00:35:17,682

>> TO THE YOUNGER GENERATION

1343

00:35:17,682 --> 00:35:19,417

I WOULD SAY,

1344

00:35:19,417 --> 00:35:20,852

"BE INSPIRED BY THE PAST

1345

00:35:20,852 --> 00:35:22,453

AND PAY ATTENTION TO THE PRESENT

1346

00:35:22,453 --> 00:35:24,689

IN ORDER TO BUILD YOUR FUTURE."

1347

00:35:24,689 --> 00:35:26,023

YOU KNOW, THE WORLD IS YOURS

1348

00:35:26,023 --> 00:35:26,958

TO SHAPE, SO DON'T BE

1349

00:35:26,958 --> 00:35:28,559

AFRAID TO TRY SOMETHING.

1350

00:35:28,559 --> 00:35:29,427

ESPECIALLY IF IT'S

1351  
00:35:29,427 --> 00:35:30,862  
NEVER BEEN DONE BEFORE.

1352  
00:35:30,862 --> 00:35:32,196  
UM, AND MAKE SURE

1353  
00:35:32,196 --> 00:35:33,364  
YOU'RE NOT DOING IT ALONE.

1354  
00:35:33,364 --> 00:35:33,965  
LIKE, SCIENCE IS NOT

1355  
00:35:33,965 --> 00:35:35,399  
SOMETHING YOU DO BY YOURSELF.

1356  
00:35:35,399 --> 00:35:36,067  
YOU-- I THINK

1357  
00:35:36,067 --> 00:35:37,001  
WORKING WITH A TEAM--

1358  
00:35:37,001 --> 00:35:37,635  
A TEAM OF PEOPLE

1359  
00:35:37,635 --> 00:35:39,170  
FROM DIFFERENT BACKGROUNDS

1360  
00:35:39,170 --> 00:35:40,538  
AND WITH DIFFERENT PERSPECTIVES,

1361  
00:35:40,538 --> 00:35:41,272  
THAT'S-THAT'S

1362  
00:35:41,272 --> 00:35:42,640  
ABSOLUTELY ESSENTIAL.

1363  
00:35:42,640 --> 00:35:44,075

AND-AND DON'T EVER GIVE UP

1364

00:35:44,075 --> 00:35:44,775

ON DOING SOMETHING

1365

00:35:44,775 --> 00:35:45,643

WITH YOUR LIFE THAT

1366

00:35:45,643 --> 00:35:46,844

MAKES YOU EXCITED

1367

00:35:46,844 --> 00:35:48,646

AND-AND HAPPY AND CURIOUS.

1368

00:35:48,646 --> 00:35:50,715

AND, UM, YOU ARE THE NEXT

1369

00:35:50,715 --> 00:35:51,916

GENERATION OF EXPLORERS,

1370

00:35:51,916 --> 00:35:54,619

AND ANYTHING IS POSSIBLE.

1371

00:35:54,619 --> 00:35:55,319

>> THIS NEXT QUESTION

1372

00:35:55,319 --> 00:35:57,655

IS FROM MENG.

1373

00:35:57,655 --> 00:35:59,323

>> HOW WILL WOMEN AT NASA

1374

00:35:59,323 --> 00:36:00,992

SHAPE THE FUTURE OF

1375

00:36:00,992 --> 00:36:04,095

HOW WE EXPLORE THE UNIVERSE?

1376

00:36:04,095 --> 00:36:05,530

>> WHEN WOMEN ARE INVOLVED

1377

00:36:05,530 --> 00:36:08,599

IN ALL ASPECTS OF EXPLORATION,

1378

00:36:08,599 --> 00:36:10,535

WHETHER IT IS DESIGNING

1379

00:36:10,535 --> 00:36:12,937

SPACECRAFT, DESIGNING ROCKETS.

1380

00:36:12,937 --> 00:36:14,939

WHETHER IT IS, UM,

1381

00:36:14,939 --> 00:36:15,840

PUTTING THEM TOGETHER,

1382

00:36:15,840 --> 00:36:17,341

TESTING THEM, LAUNCHING THEM.

1383

00:36:17,341 --> 00:36:19,310

WHETHER IT'S FLYING THE MISSION,

1384

00:36:19,310 --> 00:36:21,112

UM, IT'S BRINGING THE CREW HOME,

1385

00:36:21,112 --> 00:36:21,913

IT'S MONITORING

1386

00:36:21,913 --> 00:36:22,813

DURING THE MISSION

1387

00:36:22,813 --> 00:36:24,382

FROM MISSION CONTROL.

1388

00:36:24,382 --> 00:36:25,249

YOU KNOW, THERE ARE

1389

00:36:25,249 --> 00:36:27,285

MANY WOMEN THERE, UM,

1390

00:36:27,285 --> 00:36:28,419

THAT ARE PART OF THAT TEAM

1391

00:36:28,419 --> 00:36:29,487

JUST AS THEY ARE A PART

1392

00:36:29,487 --> 00:36:30,821

OF OUR LAUNCH TEAM.

1393

00:36:30,821 --> 00:36:31,522

OR WHETHER YOU'RE PART

1394

00:36:31,522 --> 00:36:32,356

OF THE RECOVERY

1395

00:36:32,356 --> 00:36:34,025

OF THE CREW, UM,

1396

00:36:34,025 --> 00:36:35,560

AT THE END OF THE MISSION.

1397

00:36:35,560 --> 00:36:37,361

SO THERE ARE WOMEN

1398

00:36:37,361 --> 00:36:39,797

INVOLVED IN ALL ASPECTS

1399

00:36:39,797 --> 00:36:41,032

OF-OF THE MISSION.

1400

00:36:41,032 --> 00:36:42,633

AND THEY ARE CERTAINLY SHAPING

1401

00:36:42,633 --> 00:36:45,336

WHERE WE GO, HOW WE GO,

1402

00:36:45,336 --> 00:36:46,103

HOW WE GET THERE,

1403

00:36:46,103 --> 00:36:49,340

AND HOW WE GET BACK.

1404

00:36:49,340 --> 00:36:50,875

>> THANK YOU.

1405

00:36:50,875 --> 00:36:52,209

AND CLARA, THIS NEXT

1406

00:36:52,209 --> 00:36:55,880

QUESTION FROM EMILY IS FOR YOU.

1407

00:36:55,880 --> 00:36:56,948

>> WHAT PLANET IN THE SOLAR

1408

00:36:56,948 --> 00:36:58,549

SYSTEM ARE YOU MOST EXCITED

1409

00:36:58,549 --> 00:37:00,017

FOR US TO GET TO KNOW

1410

00:37:00,017 --> 00:37:03,654

A LITTLE BIT BETTER?

1411

00:37:03,654 --> 00:37:04,155

>> OKAY, SO I THINK

1412

00:37:04,155 --> 00:37:05,523

THAT'S A REALLY HARD QUESTION.

1413

00:37:05,523 --> 00:37:07,224

BUT FIRST I WANT TO SAY,

1414

00:37:07,224 --> 00:37:09,193

UM, NASA'S PERSEVERANCE ROVER

1415

00:37:09,193 --> 00:37:10,528

IS GOING TO BE LANDING

1416

00:37:10,528 --> 00:37:12,763

ON MARS IN FEBRUARY 2021.

1417

00:37:12,763 --> 00:37:13,564

AND, UH,

1418

00:37:13,564 --> 00:37:15,433

IT'S AT THE JEZERO CRATER,

1419

00:37:15,433 --> 00:37:16,701

WHICH IS A REALLY INTERESTING

1420

00:37:16,701 --> 00:37:18,903

PLACE THAT SCIENTISTS THINK

1421

00:37:18,903 --> 00:37:19,303

MIGHT HAVE ONCE BEEN

1422

00:37:19,303 --> 00:37:20,705

FLOODED WITH WATER.

1423

00:37:20,705 --> 00:37:21,472

AND THE ROVER IS GONNA

1424

00:37:21,472 --> 00:37:23,107

LOOK FOR SIGNS OF ANCIENT LIFE

1425

00:37:23,107 --> 00:37:24,208

AND-AND COLLECT ROCK

1426

00:37:24,208 --> 00:37:25,176

AND SOIL SAMPLES TO

1427

00:37:25,176 --> 00:37:26,711

SOMEDAY HOPEFULLY RETURN

1428

00:37:26,711 --> 00:37:28,045

ALL THE WAY BACK TO EARTH.

1429

00:37:28,045 --> 00:37:29,280

AND IT'S GOT A REALLY COOL

1430

00:37:29,280 --> 00:37:30,381

DRONE HELICOPTER CALLED

1431

00:37:30,381 --> 00:37:31,949

INGENUITY, AS WELL.

1432

00:37:31,949 --> 00:37:32,783

UM, I KNOW WE HAVE

1433

00:37:32,783 --> 00:37:33,784

A LONG HISTORY OF SENDING

1434

00:37:33,784 --> 00:37:34,785

SPACECRAFT TO MARS,

1435

00:37:34,785 --> 00:37:35,820

BUT-BUT THERE'S STILL

1436

00:37:35,820 --> 00:37:36,754

SO MUCH TO LEARN

1437

00:37:36,754 --> 00:37:38,255

AND I'M REALLY EXCITED TO SEE

1438

00:37:38,255 --> 00:37:40,024

HOW THAT MISSION TURNS OUT.

1439

00:37:40,024 --> 00:37:41,592

UM, BESIDES MARS,

1440

00:37:41,592 --> 00:37:42,426

I'M REALLY EXCITED

1441

00:37:42,426 --> 00:37:43,828

ABOUT JUPITER AND NASA'S

1442

00:37:43,828 --> 00:37:45,262

EUROPA CLIPPER MISSION.

1443

00:37:45,262 --> 00:37:46,063

IT JUST MAKES ME

1444

00:37:46,063 --> 00:37:46,831

WANT TO KNOW MORE

1445

00:37:46,831 --> 00:37:47,965

AND I HOPE WE GET TO FIND OUT

1446

00:37:47,965 --> 00:37:50,768

MORE IN OUR LIFETIMES.

1447

00:37:50,768 --> 00:37:52,103

>> GIVEN THAT WOMEN PLAY A KEY

1448

00:37:52,103 --> 00:37:54,171

ROLE IN SPACE EXPLORATION TODAY,

1449

00:37:54,171 --> 00:37:54,939

WHAT IS A BREAKTHROUGH

1450

00:37:54,939 --> 00:37:55,973

THAT YOU HOPE TO SEE

1451  
00:37:55,973 --> 00:37:56,941  
IN THE NEAR FUTURE

1452  
00:37:56,941 --> 00:37:57,608  
WHEN THE FIRST WOMAN

1453  
00:37:57,608 --> 00:37:59,443  
WALKS ON THE MOON?

1454  
00:37:59,443 --> 00:38:00,678  
>> LET'S SEE, BREAKTHROUGHS...

1455  
00:38:00,678 --> 00:38:02,847  
WE HAVE, UH, REALLY BEEN

1456  
00:38:02,847 --> 00:38:04,081  
TALKING ABOUT BREAKTHROUGHS

1457  
00:38:04,081 --> 00:38:05,516  
OUR-OUR ENTIRE TIME

1458  
00:38:05,516 --> 00:38:06,851  
ON THIS PANEL.

1459  
00:38:06,851 --> 00:38:08,552  
AND, UM, YOU KNOW,

1460  
00:38:08,552 --> 00:38:10,187  
I LOOK FORWARD TO, UH,

1461  
00:38:10,187 --> 00:38:10,888  
THE WOMEN THAT ARE PART

1462  
00:38:10,888 --> 00:38:12,590  
OF THE ARTEMIS MISSION,

1463  
00:38:12,590 --> 00:38:14,191

UH, LANDING, UH,

1464

00:38:14,191 --> 00:38:15,459

THE LANDER ON THE MOON.

1465

00:38:15,459 --> 00:38:17,528

HAVING BOOTS ON THE GROUND.

1466

00:38:17,528 --> 00:38:19,130

UH, PARTICIPATING IN THOSE,

1467

00:38:19,130 --> 00:38:21,465

UH, LUNAR EXPLORATION MISSIONS.

1468

00:38:21,465 --> 00:38:23,367

AND THEN, UH, UH, SEEING,

1469

00:38:23,367 --> 00:38:24,502

UH, WHAT THE FUTURE HOLDS

1470

00:38:24,502 --> 00:38:26,070

FOR NASA EXPLORATION PROGRAMS

1471

00:38:26,070 --> 00:38:27,672

IN DEEP SPACE AND TO--

1472

00:38:27,672 --> 00:38:29,540

AND CONTINUING ON TO MARS.

1473

00:38:29,540 --> 00:38:31,876

SO I BELIEVE THAT EVERY, UM,

1474

00:38:31,876 --> 00:38:33,577

MILESTONE THAT WE ARE SETTING

1475

00:38:33,577 --> 00:38:35,813

NOW AND MOVING BEYOND,

1476

00:38:35,813 --> 00:38:36,814

UH, IS A BREAKTHROUGH.

1477

00:38:36,814 --> 00:38:38,416

AND LEADS US FORWARD, UH,

1478

00:38:38,416 --> 00:38:40,818

TO THE NEXT, UH, MILESTONE.

1479

00:38:40,818 --> 00:38:41,352

>> WHAT ARE SOME OF

1480

00:38:41,352 --> 00:38:42,887

THE BEST TOOLS AND RESOURCES

1481

00:38:42,887 --> 00:38:44,021

AVAILABLE TO YOUNG WOMEN

1482

00:38:44,021 --> 00:38:44,955

HOPING TO PURSUE

1483

00:38:44,955 --> 00:38:46,891

A CAREER IN STEM?

1484

00:38:46,891 --> 00:38:48,993

>> SO I WOULD ENCOURAGE YOU TO,

1485

00:38:48,993 --> 00:38:50,995

UM-- TO LOOK AT THE TOOLS

1486

00:38:50,995 --> 00:38:52,029

THAT ARE AVAILABLE

1487

00:38:52,029 --> 00:38:53,264

AT YOUR SCHOOL.

1488

00:38:53,264 --> 00:38:54,098

IF YOU'RE IN HIGH SCHOOL

1489

00:38:54,098 --> 00:38:55,332

OR COLLEGE,

1490

00:38:55,332 --> 00:38:56,634

UM, I WOULD ENCOURAGE YOU

1491

00:38:56,634 --> 00:38:57,868

TO TALK TO OTHERS

1492

00:38:57,868 --> 00:38:59,170

IN THE FIELD.

1493

00:38:59,170 --> 00:39:01,172

UM, AS I MENTIONED BEFORE,

1494

00:39:01,172 --> 00:39:03,074

UM, YOU KNOW, SEEK, UH,

1495

00:39:03,074 --> 00:39:05,242

GUIDANCE FROM-FROM MENTORS

1496

00:39:05,242 --> 00:39:06,711

OR-OR OTHERS THAT-THAT

1497

00:39:06,711 --> 00:39:07,645

YOU THINK ARE DOING WHAT

1498

00:39:07,645 --> 00:39:09,814

MAYBE YOU WANT TO GO DO.

1499

00:39:09,814 --> 00:39:11,315

AND, UH, I THINK THAT IS

1500

00:39:11,315 --> 00:39:12,917

A TREMENDOUS RESOURCE.

1501  
00:39:12,917 --> 00:39:13,751  
I THINK THERE'S ALSO

1502  
00:39:13,751 --> 00:39:14,985  
LOTS OF INFORMATION--

1503  
00:39:14,985 --> 00:39:16,854  
NASA HAS A LOT OF INFORMATION.

1504  
00:39:16,854 --> 00:39:18,289  
I'M SURE YOU'LL SEE WEBSITES

1505  
00:39:18,289 --> 00:39:19,924  
AND-AND SOCIAL MEDIA TAGS

1506  
00:39:19,924 --> 00:39:21,192  
HERE AT THE END, UH,

1507  
00:39:21,192 --> 00:39:22,693  
THAT YOU CAN ACCESS.

1508  
00:39:22,693 --> 00:39:24,095  
NASA ALSO HAS A LOT

1509  
00:39:24,095 --> 00:39:26,063  
OF INFORMATION AVAILABLE ONLINE

1510  
00:39:26,063 --> 00:39:27,631  
ABOUT SPACE EXPLORATION,

1511  
00:39:27,631 --> 00:39:29,133  
CAREERS AT NASA,

1512  
00:39:29,133 --> 00:39:30,835  
STUDY IN THE STEM FIELD.

1513  
00:39:30,835 --> 00:39:31,736

AND THEN I WOULD ALSO

1514

00:39:31,736 --> 00:39:34,505

ENCOURAGE, UH, YOUNG WOMEN

1515

00:39:34,505 --> 00:39:36,273

TO CONSIDER INTERNSHIPS,

1516

00:39:36,273 --> 00:39:37,141

BECAUSE THAT GIVES YOU

1517

00:39:37,141 --> 00:39:38,809

YOUR FIRST TASTE OF

1518

00:39:38,809 --> 00:39:40,444

BEING ABLE TO SEE, YOU KNOW,

1519

00:39:40,444 --> 00:39:42,113

WHAT THAT WORK IS LIKE.

1520

00:39:42,113 --> 00:39:43,147

AND I CAN TELL YOU,

1521

00:39:43,147 --> 00:39:44,215

WHEN YOU FIND SOMETHING

1522

00:39:44,215 --> 00:39:45,649

THAT YOU LOVE,

1523

00:39:45,649 --> 00:39:47,485

IT DOESN'T FEEL LIKE WORK.

1524

00:39:47,485 --> 00:39:48,919

SO TRY-- YOU KNOW,

1525

00:39:48,919 --> 00:39:50,087

AND IF YOU TRY SOMETHING OUT

1526

00:39:50,087 --> 00:39:50,755

AND MAYBE THAT'S NOT

1527

00:39:50,755 --> 00:39:51,856

QUITE THE FIT,

1528

00:39:51,856 --> 00:39:53,390

THEN-THEN TRY SOMETHING ELSE

1529

00:39:53,390 --> 00:39:54,725

MAYBE THE NEXT TIME.

1530

00:39:54,725 --> 00:39:57,128

BUT INTERNSHIPS ARE A GREAT WAY

1531

00:39:57,128 --> 00:39:58,195

TO TAKE THE SKILLS

1532

00:39:58,195 --> 00:39:58,796

AND THE THINGS THAT

1533

00:39:58,796 --> 00:39:59,897

YOU'RE LEARNING IN SCHOOL

1534

00:39:59,897 --> 00:40:00,931

AND TRANSLATE THEM,

1535

00:40:00,931 --> 00:40:02,533

YOU KNOW, INTO-INTO

1536

00:40:02,533 --> 00:40:04,034

PRACTICAL EXPERIENCE.

1537

00:40:04,034 --> 00:40:05,836

WHICH IT HELPS YOU, YOU KNOW,

1538

00:40:05,836 --> 00:40:07,104

EVEN DOWN THE ROAD, UM,

1539

00:40:07,104 --> 00:40:07,705

WHEN YOU GET READY TO

1540

00:40:07,705 --> 00:40:10,775

ENTER THE WORKFORCE.

1541

00:40:10,775 --> 00:40:11,308

>> AND CHARLIE,

1542

00:40:11,308 --> 00:40:12,376

THAT'S GREAT ADVICE.

1543

00:40:12,376 --> 00:40:13,677

THE INTERNSHIP IS HOW

1544

00:40:13,677 --> 00:40:16,447

I ACTUALLY GOT INTO NASA MYSELF.

1545

00:40:16,447 --> 00:40:18,149

SO I WANTED TO THANK ALL OF YOU

1546

00:40:18,149 --> 00:40:19,083

FOR TAKING THE TIME TO

1547

00:40:19,083 --> 00:40:20,284

BE WITH US HERE TODAY

1548

00:40:20,284 --> 00:40:21,018

AND SHARING SOME OF

1549

00:40:21,018 --> 00:40:22,253

YOUR EXPERIENCES

1550

00:40:22,253 --> 00:40:23,587

WITH THE COMMUNITY.

1551

00:40:23,587 --> 00:40:25,122

WE REALLY APPRECIATE

1552

00:40:25,122 --> 00:40:26,757

YOU CELEBRATING WITH US

1553

00:40:26,757 --> 00:40:28,025

FOR THIS WOMEN'S EQUALITY

1554

00:40:28,025 --> 00:40:29,126

DAY PROGRAM.