

A photograph of Zebulon Scoville, a Grew Trainer, in a workshop or training environment. He is shown in profile, smiling, wearing a dark blue polo shirt. In the background, another person is working at a table. The setting includes various equipment and materials, suggesting a technical or industrial training facility.

**Zebulon Scoville**  
**Grew Trainer**

1  
00:00:09,140 --> 00:00:07,639  
hi I'm Mike Massimino

2  
00:00:11,030 --> 00:00:09,150  
we've been following along with the

3  
00:00:12,650 --> 00:00:11,040  
astronauts who are going to fly the next

4  
00:00:15,110 --> 00:00:12,660  
shuttle mission to the International

5  
00:00:17,029 --> 00:00:15,120  
Space Station what you are about to see

6  
00:00:18,890 --> 00:00:17,039  
is the crew practicing for their mission

7  
00:00:21,260 --> 00:00:18,900  
the team that is responsible for

8  
00:00:22,880 --> 00:00:21,270  
training them and get a sense of what

9  
00:00:30,410 --> 00:00:22,890  
it's like to fly the shuttle

10  
00:00:32,209 --> 00:00:30,420  
this is sts-131 behind the scenes and do

11  
00:00:34,940 --> 00:00:32,219  
ho not andújar like the baseball player

12  
00:00:38,209 --> 00:00:34,950  
and do holes alright alright who's mr.

13  
00:00:44,779 --> 00:00:38,219

DPS today Justin Smith Val what's your

14

00:00:46,160 --> 00:00:44,789

last name Nathan what was that mean that

15

00:00:49,819 --> 00:00:46,170

means a new person who's learning from

16

00:00:56,209 --> 00:00:49,829

you the expert are you learning anything

17

00:00:58,340 --> 00:00:56,219

is there a quiz later no yes you gotta

18

00:00:59,599 --> 00:00:58,350

make Ashley what's your lesson Ashley

19

00:01:02,119 --> 00:00:59,609

Bailey okay we can probably figure that

20

00:01:04,160 --> 00:01:02,129

out you're making that up all yeah so

21

00:01:07,490 --> 00:01:04,170

they're very nicely Oh what do you got

22

00:01:09,440 --> 00:01:07,500

going over there your pers which is

23

00:01:13,210 --> 00:01:09,450

fancy way of saying the robot arm so

24

00:01:27,020 --> 00:01:22,940

do a little bit will you really all

25

00:01:29,420 --> 00:01:27,030

right come on let's do it come on no

26

00:01:32,090 --> 00:01:29,430

one's gonna see this anyway I probably

27

00:01:35,030 --> 00:01:32,100

no one will even watch it's only on NASA

28

00:01:37,460 --> 00:01:35,040

television no one ever looks at YouTube

29

00:01:48,020 --> 00:01:37,470

and nothing like that come on come on to

30

00:01:51,139 --> 00:01:48,030

describe what did he do you guys have no

31

00:01:56,060 --> 00:01:51,149

idea how hard I work I assume all day

32

00:02:08,150 --> 00:02:01,070

all right come on we're not gonna get

33

00:02:13,010 --> 00:02:08,160

anywhere are we so dotty usually go has

34

00:02:17,960 --> 00:02:13,020

now ml in your previous career which is

35

00:02:19,790 --> 00:02:17,970

very interesting what did you do before

36

00:02:21,350 --> 00:02:19,800

you were an astronaut very cool

37

00:02:23,720 --> 00:02:21,360

you're a height like a no kid in high

38

00:02:26,500 --> 00:02:23,730

school enjoy both of the eyes help with

39

00:02:30,880 --> 00:02:26,510

these kids with high school kids

40

00:02:37,460 --> 00:02:33,860

that's what you taught you guys okay so

41

00:02:39,170 --> 00:02:37,470

how do you go from doing that to doing

42

00:02:42,740 --> 00:02:39,180

this kind of stuff here inside of the

43

00:02:48,020 --> 00:02:42,750

sim how did this happen we're all very

44

00:02:54,830 --> 00:02:48,030

lucky but lucky for NASA I would add as

45

00:03:00,440 --> 00:02:58,950

and I got into space camp when I was a

46

00:03:04,190 --> 00:03:00,450

kid and those things

47

00:03:07,380 --> 00:03:04,200

first science as having to call it in

48

00:03:09,970 --> 00:03:07,390

one dance to my astronomy class and

49

00:03:11,710 --> 00:03:09,980

the bathroom in space we hear this

50

00:03:13,750 --> 00:03:11,720

question allows that's right so right

51  
00:03:15,640 --> 00:03:13,760  
but at the time I didn't know I'd be

52  
00:03:19,150 --> 00:03:15,650  
there that couldn't be stuff floating

53  
00:03:22,630 --> 00:03:19,160  
around by it so I went home I googled it

54  
00:03:26,260 --> 00:03:22,640  
and it's pretty much the same time when

55  
00:03:28,690 --> 00:03:26,270  
I was googling it I came across the

56  
00:03:32,050 --> 00:03:28,700  
website NASA that said we're hiring

57  
00:03:34,720 --> 00:03:32,060  
teachers this class election is also

58  
00:03:35,740 --> 00:03:34,730  
taking to traffic and I remember going

59  
00:03:37,210 --> 00:03:35,750  
home to my husband

60  
00:03:41,020 --> 00:03:37,220  
oh my gosh I have to fight it's like a

61  
00:03:43,960 --> 00:03:41,030  
perfect time but but I was like but I

62  
00:03:53,860 --> 00:03:43,970  
realize don't mind that I'm sure I mean

63  
00:04:03,070 --> 00:03:53,870

it's a one one out of two thousand but

64

00:04:05,050 --> 00:04:03,080

you could you apply they came in the

65

00:04:07,680 --> 00:04:05,060

idea to come in for an interview the NDI

66

00:04:09,970 --> 00:04:07,690

pick so what did you tell your students

67

00:04:12,640 --> 00:04:09,980

about this when you went you ever liked

68

00:04:15,010 --> 00:04:12,650

the classroom how'd you find out I found

69

00:04:16,780 --> 00:04:15,020

out I think so we got interviewed back

70

00:04:22,970 --> 00:04:16,790

in November and then so much too soon

71

00:04:27,950 --> 00:04:24,860

here

72

00:04:29,300 --> 00:04:27,960

and then they were like really excited I

73

00:04:30,770 --> 00:04:29,310

mean their sister got interviewed by I

74

00:04:34,760 --> 00:04:30,780

feared that would be the last step and

75

00:04:35,330 --> 00:04:34,770

so from November to April was like a lot

76

00:04:39,879 --> 00:04:35,340

of waiting

77

00:04:42,469 --> 00:04:39,889

Whitney than I figured in April like

78

00:04:44,480 --> 00:04:42,479

ideal and then I came back from Spring

79

00:04:47,450 --> 00:04:44,490

Break and the Monday I came back from

80

00:04:51,020 --> 00:04:47,460

Spring Break on April 12th I got a call

81

00:04:55,430 --> 00:04:51,030

I picked it by the other hand other end

82

00:04:58,640 --> 00:04:55,440

is Bob Cabana and I and I knew that it

83

00:05:02,330 --> 00:04:58,650

was either good or bad news this call

84

00:05:16,420 --> 00:05:02,340

and so I was like oh maybe I should sit

85

00:05:25,580 --> 00:05:19,040

yeah what did they say what I thought

86

00:05:30,860 --> 00:05:25,590

jumping around like I was talking about

87

00:05:35,090 --> 00:05:30,870

daylight savings time you just stop that

88

00:05:40,400 --> 00:05:35,100

lesson go into space immediately the

89

00:05:43,460 --> 00:05:40,410

rest of the day so what do you guys do

90

00:05:50,270 --> 00:05:43,470

that was shoot cocktail I need all your

91

00:05:56,020 --> 00:05:54,710

hello Donnie why that's not a nice thing

92

00:05:59,210 --> 00:05:56,030

to tell the kids

93

00:06:00,680 --> 00:05:59,220

you mean bran cereal and space so you

94

00:06:03,320 --> 00:06:00,690

see more of it on the ground because

95

00:06:06,469 --> 00:06:03,330

it's good for you right is it good for

96

00:06:07,610 --> 00:06:06,479

you I think it is good for you okay so

97

00:06:09,110 --> 00:06:07,620

healthy that's good for you but you

98

00:06:15,080 --> 00:06:09,120

didn't like anybody to like it got too

99

00:06:19,909 --> 00:06:17,330

not too sweet it has that fake milk in

100

00:06:23,600 --> 00:06:19,919

it though the power no no good though

101  
00:06:29,240 --> 00:06:25,850  
what you're looking at so Mike this is a

102  
00:06:31,850 --> 00:06:29,250  
this is our flight plan right and you

103  
00:06:34,429 --> 00:06:31,860  
know we get updates this flight plan

104  
00:06:38,749 --> 00:06:34,439  
every morning you know and it basically

105  
00:06:41,439 --> 00:06:38,759  
describes the each crew member has a

106  
00:06:45,290 --> 00:06:41,449  
column right and it describes in

107  
00:06:49,249 --> 00:06:45,300  
5-minute increments let our our plan is

108  
00:06:51,559 --> 00:06:49,259  
for all day and so now when I were just

109  
00:06:51,920 --> 00:06:51,569  
going over a flight plan they do go

110  
00:06:54,920 --> 00:06:51,930  
there

111  
00:06:56,300 --> 00:06:54,930  
yeah like playing after docking so we

112  
00:06:57,920 --> 00:06:56,310  
docked to the space station already

113  
00:07:00,230 --> 00:06:57,930

about an hour ago

114

00:07:02,360 --> 00:07:00,240

and now we're looking to what things we

115

00:07:03,950 --> 00:07:02,370

have to do get the hatches open if

116

00:07:05,390 --> 00:07:03,960

you're still haven't seen any of those

117

00:07:07,189 --> 00:07:05,400

guys hey we're gonna wait for the leak

118

00:07:08,689 --> 00:07:07,199

checks to get completed open these

119

00:07:10,909 --> 00:07:08,699

hatches and we'll go ahead and see the

120

00:07:13,850 --> 00:07:10,919

rest of croco and there's a lot of

121

00:07:16,070 --> 00:07:13,860

things basically before that as well we

122

00:07:16,770 --> 00:07:16,080

have a lot of activity in the morning

123

00:07:18,930 --> 00:07:16,780

LaRhonda

124

00:07:21,240 --> 00:07:18,940

power up the vehicle completely to get

125

00:07:22,530 --> 00:07:21,250

all the system trying once we got we

126  
00:07:23,940 --> 00:07:22,540  
don't need all the system anymore so we

127  
00:07:33,420 --> 00:07:23,950  
powered things down to save her little

128  
00:08:00,120 --> 00:07:33,430  
sixteen power on the space station we'll

129  
00:08:01,800 --> 00:08:00,130  
have a safety briefing okay so we gotta

130  
00:08:03,390 --> 00:08:01,810  
get ready for tomorrow's activities all

131  
00:08:05,159 --> 00:08:03,400  
right give me a big day for them

132  
00:08:07,409 --> 00:08:05,169  
big thing for Marla's they'll go pull

133  
00:08:08,760 --> 00:08:07,419  
the mplm out of the payload Bay oh my

134  
00:08:09,090 --> 00:08:08,770  
goodness and test it to the space

135  
00:08:13,920 --> 00:08:09,100  
station

136  
00:08:15,960 --> 00:08:13,930  
okay studying last this is just like

137  
00:08:18,920 --> 00:08:15,970  
you'll be doing in space look at your

138  
00:08:21,469 --> 00:08:18,930

list of stuff just like and be prepared

139

00:08:23,219 --> 00:08:21,479

only we can be this organized at home

140

00:08:25,170 --> 00:08:23,229

you know you're gonna look like that

141

00:08:31,440 --> 00:08:25,180

from my wife my wife would give me a

142

00:08:32,550 --> 00:08:31,450

five-minute Zebulon it sounds that

143

00:08:33,899 --> 00:08:32,560

doesn't it sound like something like you

144

00:08:35,130 --> 00:08:33,909

know I think it's cool it sounds like

145

00:08:37,469 --> 00:08:35,140

something from UM from the planet for

146

00:08:39,329 --> 00:08:37,479

planet yeah exact time from the Zebulon

147

00:08:41,339 --> 00:08:39,339

you had destined to work in the space

148

00:08:44,300 --> 00:08:41,349

program in a name like Zebulon got more

149

00:08:46,710 --> 00:08:44,310

than really close to steak area come on

150

00:08:47,850 --> 00:08:46,720

what 1988 primer

151  
00:08:49,500 --> 00:08:47,860  
okay no what is that supposed to mean

152  
00:08:52,050 --> 00:08:49,510  
1980 what does that mean I don't even

153  
00:08:53,460 --> 00:08:52,060  
have heard about that before I mean I've

154  
00:08:56,760 --> 00:08:53,470  
heard of it before I explain it to us

155  
00:09:01,120 --> 00:08:56,770  
it's a 19th assembly flight or what is

156  
00:09:02,980 --> 00:09:01,130  
it 19% American assembly

157  
00:09:09,850 --> 00:09:02,990  
Assembly of the National Space Station

158  
00:09:11,350 --> 00:09:09,860  
soldiers sts-131 mission right okay you

159  
00:09:12,790 --> 00:09:11,360  
know you're getting boring or not okay

160  
00:09:14,500 --> 00:09:12,800  
okay so but what you're doing here she

161  
00:09:15,790 --> 00:09:14,510  
got to go and these guys that you

162  
00:09:17,800 --> 00:09:15,800  
practice and getting ready to go do

163  
00:09:19,750 --> 00:09:17,810

their spacewalks right yeah and what's

164

00:09:22,870 --> 00:09:19,760

your job on this mission you were you

165

00:09:25,330 --> 00:09:22,880

the spacewalk lead guy for this guy or

166

00:09:30,910 --> 00:09:25,340

what do you guys like good guy

167

00:09:35,230 --> 00:09:30,920

no way okay here here was your full name

168

00:09:37,140 --> 00:09:35,240

for the camera David Dave Cohen and and

169

00:09:41,040 --> 00:09:37,150

usually so what are you here for it said

170

00:09:45,060 --> 00:09:41,050

I'm just here watching and learning

171

00:09:51,550 --> 00:09:48,910

at the same at the same time because we

172

00:09:53,230 --> 00:09:51,560

always get people mix us up because

173

00:09:56,770 --> 00:09:53,240

you're a really good astronaut I'm just

174

00:10:08,040 --> 00:09:56,780

trying to get by but our last names very

175

00:10:11,710 --> 00:10:09,940

Massimino stronger do you think it's the

176

00:10:13,480 --> 00:10:11,720

same a person once in a while I get a

177

00:10:14,490 --> 00:10:13,490

picture of myself and on the back of the

178

00:10:20,020 --> 00:10:14,500

official NASA

179

00:10:21,760 --> 00:10:20,030

scripturally Mike Massimino now this is

180

00:10:24,310 --> 00:10:21,770

your third spacewalk all right

181

00:10:25,630 --> 00:10:24,320

and what do you what do you got what are

182

00:10:27,820 --> 00:10:25,640

you doing on this one

183

00:10:29,380 --> 00:10:27,830

that you're excited about the biggest

184

00:10:31,330 --> 00:10:29,390

thing that I'm doing is doing the space

185

00:10:32,890 --> 00:10:31,340

ones we're doing three bas on this

186

00:10:34,330 --> 00:10:32,900

mission three spacewalks or the clay

187

00:10:37,180 --> 00:10:34,340

Anderson and myself will be going out

188

00:10:38,950 --> 00:10:37,190

each time and we're basically swapping

189

00:10:40,630 --> 00:10:38,960

out a large ammonia tank on board the

190

00:10:44,410 --> 00:10:40,640

space station you're gonna be working

191

00:10:48,700 --> 00:10:44,420

the your awareness is going on Stephanie

192

00:10:52,210 --> 00:10:48,710

Wilson and I will retrieve PLL nectarean

193

00:10:55,610 --> 00:10:52,220

Leonardo from the pay all day and we

194

00:11:00,230 --> 00:10:55,620

will install it on to the space

195

00:11:02,329 --> 00:11:00,240

and that's before the spacewalks just

196

00:11:04,370 --> 00:11:02,339

run day morning this simulation the more

197

00:11:06,320 --> 00:11:04,380

are you gonna do that in that Logistics

198

00:11:08,510 --> 00:11:06,330

Module which is like a big closet right

199

00:11:10,130 --> 00:11:08,520

with all kinds of stuff and you're gonna

200

00:11:22,400 --> 00:11:10,140

attention to the space station we're

201  
00:11:28,190 --> 00:11:25,610  
bringing up a lot of big spare part or

202  
00:11:30,050 --> 00:11:28,200  
use we call LR use it stocking up the

203  
00:11:31,670 --> 00:11:30,060  
space station when the shuttles gone

204  
00:11:33,980 --> 00:11:31,680  
they can't bring up these big spare

205  
00:11:35,360 --> 00:11:33,990  
parts in it it was a big step down or

206  
00:11:36,800 --> 00:11:35,370  
down those servants to bring it down

207  
00:11:40,910 --> 00:11:36,810  
bathing interesting

208  
00:11:46,340 --> 00:11:40,920  
yes um you know like a temporary sleep

209  
00:11:52,520 --> 00:11:46,350  
station which used and also cover

210  
00:11:55,490 --> 00:11:52,530  
experiments yeah Rick Mastracchio and

211  
00:11:57,650 --> 00:11:55,500  
play Mira trip you're at the EPA finest

212  
00:11:59,079 --> 00:11:57,660  
useful that's the training that's gonna

213  
00:12:03,309 --> 00:11:59,089

be

214

00:12:07,900 --> 00:12:03,319

yeah this is your first flight here at

215

00:12:15,009 --> 00:12:07,910

your Japanese astronaut but trained with

216

00:12:20,799 --> 00:12:15,019

all of us you feel like you almost like

217

00:12:27,340 --> 00:12:20,809

an American now or consumers for sale

218

00:12:29,679 --> 00:12:27,350

let's first find a locus I know you're

219

00:12:34,929 --> 00:12:29,689

excited I'm very excited and all of

220

00:12:36,489 --> 00:12:34,939

Japan is probably excited to you Rick

221

00:12:43,299 --> 00:12:36,499

this is like number three is anyone even

222

00:12:45,429 --> 00:12:43,309

going to show up yeah the third time

223

00:12:46,600 --> 00:12:45,439

you're not as anxious you're what's your

224

00:12:47,949 --> 00:12:46,610

first mission you want to hurry up and

225

00:12:49,179 --> 00:12:47,959

do it because you can't wait now your

226

00:12:51,129 --> 00:12:49,189

third divisions like well it'll happen

227

00:12:52,990 --> 00:12:51,139

I'm not worried I know it'll have an

228

00:12:55,440 --> 00:12:53,000

adventure

229

00:12:57,060 --> 00:12:55,450

that's always

230

00:12:59,400 --> 00:12:57,070

oh thanks to toggling so you guys are

231

00:13:01,230 --> 00:12:59,410

still being busy alright you I'm waiting

232

00:13:02,660 --> 00:13:01,240

ten minutes to check a number so I can