



1
00:00:05,190 --> 00:00:03,510
hi i'm mike massimino for the past few

2
00:00:07,430 --> 00:00:05,200
shuttle flights we've taken you behind

3
00:00:09,030 --> 00:00:07,440
the scenes to meet the crews as they

4
00:00:10,870 --> 00:00:09,040
train for their flights and the people

5
00:00:12,789 --> 00:00:10,880
around the country who make those

6
00:00:14,709 --> 00:00:12,799
missions fly but there's a lot of

7
00:00:16,390 --> 00:00:14,719
footage that we haven't shown you yet so

8
00:00:18,470 --> 00:00:16,400
we'd like to take you back to some of

9
00:00:20,390 --> 00:00:18,480
our recent flights and introduce you to

10
00:00:23,429 --> 00:00:20,400
more of the people who do everything at

11
00:00:35,190 --> 00:00:23,439
nasa we hope you enjoy this episode of

12
00:00:35,200 --> 00:00:38,389
mike what's going on

13
00:00:41,910 --> 00:00:40,389

what are you doing

14

00:00:44,150 --> 00:00:41,920

i am talking to your training team

15

00:00:46,549 --> 00:00:44,160

because you guys are so busy we're very

16

00:00:49,029 --> 00:00:46,559

busy i'm about to work out y'all are you

17

00:00:50,310 --> 00:00:49,039

leaving yeah oh so you got a minute then

18

00:00:51,270 --> 00:00:50,320

what's your story with these pink shirts

19

00:00:53,029 --> 00:00:51,280

today

20

00:00:55,029 --> 00:00:53,039

these are the team scorch shirts that

21

00:00:57,350 --> 00:00:55,039

our training team came up with pretty

22

00:01:00,950 --> 00:00:57,360

nice huh they're very very nice pink is

23

00:01:09,270 --> 00:01:02,869

he says

24

00:01:12,550 --> 00:01:10,469

wait a minute i didn't know there's any

25

00:01:15,510 --> 00:01:12,560

cameras here that's not what happened to

26

00:01:18,310 --> 00:01:16,870

you know no this this is all

27

00:01:19,350 --> 00:01:18,320

store-bought in fact there's actually

28

00:01:21,670 --> 00:01:19,360

there's no

29

00:01:23,030 --> 00:01:21,680

uh free-range organic pork today because

30

00:01:25,109 --> 00:01:23,040

i ran out of time otherwise it would

31

00:01:26,469 --> 00:01:25,119

have been all right so what's in are you

32

00:01:28,149 --> 00:01:26,479

guys are here you're camping out here

33

00:01:29,990 --> 00:01:28,159

more or less for a day for a day and a

34

00:01:31,749 --> 00:01:30,000

half i mean you get to go home and sleep

35

00:01:33,350 --> 00:01:31,759

right eventually yeah but you got it but

36

00:01:34,390 --> 00:01:33,360

but you got to eat so

37

00:01:35,830 --> 00:01:34,400

and if you're going to eat you may as

38

00:01:37,190 --> 00:01:35,840

well eat good you might as well eat good

39

00:01:39,109 --> 00:01:37,200

that's right and what do we got what is

40

00:01:41,109 --> 00:01:39,119

that we got we got south carolina pulled

41

00:01:42,389 --> 00:01:41,119

apart oh my gosh what's in the other

42

00:01:45,109 --> 00:01:42,399

what's in there is that more south

43

00:01:46,950 --> 00:01:45,119

carolina oh my goodness what's in the

44

00:01:49,190 --> 00:01:46,960

ice chest

45

00:01:51,109 --> 00:01:49,200

really we'll be here a while yeah we got

46

00:01:56,230 --> 00:01:51,119

about 120 pounds of meat here this is

47

00:01:59,749 --> 00:01:57,830

yeah taxpayers are not paying for this

48

00:02:01,830 --> 00:01:59,759

food they've bought this by themselves

49

00:02:04,469 --> 00:02:01,840

my goodness

50

00:02:06,550 --> 00:02:04,479

man alive all right so uh so

51
00:02:08,710 --> 00:02:06,560
we've come a long way from donuts

52
00:02:10,150 --> 00:02:08,720
even though is in town yeah we're doing

53
00:02:11,350 --> 00:02:10,160
this today

54
00:02:14,309 --> 00:02:11,360
so we know what you're doing is out of

55
00:02:15,910 --> 00:02:14,319
town why just to mess with it

56
00:02:18,949 --> 00:02:15,920
all right

57
00:02:21,589 --> 00:02:18,959
venerable commander scorch right and uh

58
00:02:22,869 --> 00:02:21,599
there's a story behind it which is yeah

59
00:02:24,710 --> 00:02:22,879
i knew

60
00:02:26,229 --> 00:02:24,720
no idea behind uh

61
00:02:27,910 --> 00:02:26,239
the name the call sign the shirt

62
00:02:29,750 --> 00:02:27,920
everything i know the story behind the

63
00:02:31,509 --> 00:02:29,760

call sign i do and i can't i'm not going

64

00:02:33,110 --> 00:02:31,519

to tell anybody

65

00:02:34,630 --> 00:02:33,120

no i was with scorch we went out to yuma

66

00:02:37,750 --> 00:02:34,640

one of my first when we first started

67

00:02:39,030 --> 00:02:37,760

flying t-38 yeah uh scorch had a weekend

68

00:02:40,229 --> 00:02:39,040

thing yeah what's the matter do you want

69

00:02:41,270 --> 00:02:40,239

to grab the thing what you're talking

70

00:02:42,630 --> 00:02:41,280

about no no no no

71

00:02:45,350 --> 00:02:42,640

okay he had a weekend thing he had a

72

00:02:47,910 --> 00:02:45,360

weekend friend he had a weekend uh

73

00:02:49,350 --> 00:02:47,920

he had a weekend event in hume arizona

74

00:02:50,710 --> 00:02:49,360

some kind of marine corps base out there

75

00:02:52,070 --> 00:02:50,720

understood what's your name but you

76

00:02:54,309 --> 00:02:52,080

probably know you're marine corps air

77

00:02:55,589 --> 00:02:54,319

station yuma that's it okay so i first

78

00:02:57,350 --> 00:02:55,599

started you know we had only here a

79

00:02:58,550 --> 00:02:57,360

couple weeks and he goes hey max once

80

00:03:00,229 --> 00:02:58,560

you come out with me we're gonna go out

81

00:03:01,750 --> 00:03:00,239

get some flying time we'll stay over at

82

00:03:03,350 --> 00:03:01,760

the marine corps air station we fly back

83

00:03:05,110 --> 00:03:03,360

and get a bunch of hours perfect yeah i

84

00:03:06,390 --> 00:03:05,120

said yeah sure we'll go and do that so

85

00:03:08,149 --> 00:03:06,400

we went out there we met some of his

86

00:03:10,309 --> 00:03:08,159

guys and i heard the story of how he got

87

00:03:13,750 --> 00:03:10,319

his call signed but as he walks in the

88

00:03:16,149 --> 00:03:13,760

room he knows i will never tell anybody

89

00:03:17,430 --> 00:03:16,159

never tell anyone i never have time

90

00:03:19,030 --> 00:03:17,440

let's get it

91

00:03:20,869 --> 00:03:19,040

but you know what i enjoy doing scorch i

92

00:03:24,390 --> 00:03:20,879

enjoy i enjoy telling people that i know

93

00:03:27,110 --> 00:03:25,910

everyone has a kind of inspirational

94

00:03:29,110 --> 00:03:27,120

story right

95

00:03:30,789 --> 00:03:29,120

uh and i think it's important for people

96

00:03:32,070 --> 00:03:30,799

to know especially the kids to know

97

00:03:33,430 --> 00:03:32,080

right that you know not everything is

98

00:03:34,949 --> 00:03:33,440

always fine and dandy even if you're an

99

00:03:36,390 --> 00:03:34,959

astronaut that's right you know you

100

00:03:37,670 --> 00:03:36,400

there's a lot of adversity you put up

101
00:03:39,750 --> 00:03:37,680
with and the stuff that you learn the

102
00:03:41,430 --> 00:03:39,760
lessons you learn as a youngster

103
00:03:43,030 --> 00:03:41,440
are the things that will help you as you

104
00:03:43,990 --> 00:03:43,040
get older that's right that's the whole

105
00:03:45,670 --> 00:03:44,000
idea

106
00:03:46,949 --> 00:03:45,680
so true you would tell me something that

107
00:03:48,309 --> 00:03:46,959
is your birthday and you tell me

108
00:03:50,390 --> 00:03:48,319
something a story about when you were a

109
00:03:51,830 --> 00:03:50,400
kid how old are you when this happened

110
00:03:54,710 --> 00:03:51,840
this was in the high school in high

111
00:03:55,990 --> 00:03:54,720
school high school um i was a big

112
00:03:57,030 --> 00:03:56,000
baseball i loved baseball playing

113
00:04:01,509 --> 00:03:57,040

baseball

114

00:04:03,750 --> 00:04:01,519

um so we try it out for the high school

115

00:04:04,869 --> 00:04:03,760

baseball team that's right february and

116

00:04:06,550 --> 00:04:04,879

uh

117

00:04:08,550 --> 00:04:06,560

go through a few weeks of tryouts and

118

00:04:09,670 --> 00:04:08,560

plan it's in maryland it's cold at

119

00:04:12,229 --> 00:04:09,680

oakland mills high school there in

120

00:04:14,149 --> 00:04:12,239

columbia maryland and uh so they're

121

00:04:16,310 --> 00:04:14,159

finally the big day comes and the coach

122

00:04:17,909 --> 00:04:16,320

posts the list on the wall and every all

123

00:04:19,749 --> 00:04:17,919

the boys run out we're all looking at it

124

00:04:20,870 --> 00:04:19,759

and i'm like hey there's no verts on

125

00:04:22,069 --> 00:04:20,880

here what's wrong the coach must have

126

00:04:23,350 --> 00:04:22,079

missed something so i didn't make the

127

00:04:26,070 --> 00:04:23,360

baseball team

128

00:04:27,270 --> 00:04:26,080

but he said that he would let you if you

129

00:04:28,710 --> 00:04:27,280

didn't make the team he would still let

130

00:04:30,390 --> 00:04:28,720

you come out and practice with the team

131

00:04:31,350 --> 00:04:30,400

that's good he worked hard he kind of

132

00:04:32,790 --> 00:04:31,360

let you

133

00:04:35,350 --> 00:04:32,800

you know be there with the team so

134

00:04:36,870 --> 00:04:35,360

jerome jefferson was our coach and uh i

135

00:04:38,950 --> 00:04:36,880

appreciated that a lot i stuck around

136

00:04:40,469 --> 00:04:38,960

with the team this is my freshman year

137

00:04:42,070 --> 00:04:40,479

and i didn't get a lot of playing time

138

00:04:43,670 --> 00:04:42,080

but at least i got to practice and then

139

00:04:45,270 --> 00:04:43,680

the following year he came out just got

140

00:04:47,350 --> 00:04:45,280

some playing time and went on played

141

00:04:49,749 --> 00:04:47,360

varsity baseball in high school so

142

00:04:51,510 --> 00:04:49,759

it was very good of the coach to say

143

00:04:52,790 --> 00:04:51,520

you know hey even if you didn't make the

144

00:04:54,310 --> 00:04:52,800

team you can still hang out you can

145

00:04:56,230 --> 00:04:54,320

store a card and then it worked out for

146

00:04:57,510 --> 00:04:56,240

me later on i got to play yeah i love

147

00:04:59,670 --> 00:04:57,520

those stories because it's really two

148

00:05:01,590 --> 00:04:59,680

it's really twofold one is for those

149

00:05:03,909 --> 00:05:01,600

folks in the position as a teacher or a

150

00:05:06,230 --> 00:05:03,919

coach or a mentor or whatever

151
00:05:09,270 --> 00:05:06,240
giving people a chance based on desire

152
00:05:11,189 --> 00:05:09,280
oh yeah is is important yep and that's

153
00:05:12,550 --> 00:05:11,199
one side to work if someone really wants

154
00:05:14,310 --> 00:05:12,560
to do it i think the coaches would

155
00:05:15,029 --> 00:05:14,320
rather have a kid like that you know

156
00:05:16,230 --> 00:05:15,039
than

157
00:05:17,510 --> 00:05:16,240
somebody who maybe has some talent but

158
00:05:19,430 --> 00:05:17,520
doesn't care and doesn't work hard so

159
00:05:20,790 --> 00:05:19,440
yeah that was that was really good of

160
00:05:22,390 --> 00:05:20,800
the coach and you know and then like i

161
00:05:25,270 --> 00:05:22,400
said i played a few more years i played

162
00:05:26,950 --> 00:05:25,280
the varsity team now i coach little

163
00:05:28,310 --> 00:05:26,960

league baseball so it worked out really

164

00:05:30,390 --> 00:05:28,320

good but the other part of it is you

165

00:05:31,670 --> 00:05:30,400

took the opportunity and then you know a

166

00:05:33,510 --> 00:05:31,680

lot of times it's easier just to quit

167

00:05:35,189 --> 00:05:33,520

you know sometimes the easy thing to do

168

00:05:36,790 --> 00:05:35,199

even though you love baseball is to quit

169

00:05:38,469 --> 00:05:36,800

but you have to be true to your passion

170

00:05:39,749 --> 00:05:38,479

right you got to stick with it and stick

171

00:05:41,670 --> 00:05:39,759

with it something maybe a little

172

00:05:44,629 --> 00:05:41,680

embarrassing everyone else made it but

173

00:05:46,390 --> 00:05:44,639

me but i'm still hanging around and well

174

00:05:48,230 --> 00:05:46,400

guys like that yeah yeah you apply i had

175

00:05:49,749 --> 00:05:48,240

to apply four and five times and it took

176

00:05:51,110 --> 00:05:49,759

me 10 years to get to be astronauts

177

00:05:52,790 --> 00:05:51,120

right so that's as i'm going to say is

178

00:05:54,629 --> 00:05:52,800

that throughout your career you went you

179

00:05:56,550 --> 00:05:54,639

you know for that experience in baseball

180

00:05:57,830 --> 00:05:56,560

and other things i'm sure you applied

181

00:05:59,590 --> 00:05:57,840

that to

182

00:06:00,629 --> 00:05:59,600

other obstacles you faced right yeah you

183

00:06:02,150 --> 00:06:00,639

know just because it doesn't work out

184

00:06:03,510 --> 00:06:02,160

the first time doesn't mean it's never

185

00:06:05,590 --> 00:06:03,520

going to work right and the same thing

186

00:06:06,629 --> 00:06:05,600

happens i'm you know i'm sure for you in

187

00:06:08,629 --> 00:06:06,639

your career

188

00:06:10,070 --> 00:06:08,639

flying astronaut answer on office i mean

189

00:06:12,070 --> 00:06:10,080

did you get maybe one of those guys you

190

00:06:13,110 --> 00:06:12,080

got picked the first time you applied um

191

00:06:14,550 --> 00:06:13,120

the first time i applied to be an

192

00:06:15,749 --> 00:06:14,560

astronaut i got you got selected yeah

193

00:06:17,350 --> 00:06:15,759

i'd rather be lucky than good right

194

00:06:18,390 --> 00:06:17,360

that's good but i got picked but that

195

00:06:20,150 --> 00:06:18,400

doesn't happen to a lot that didn't

196

00:06:22,309 --> 00:06:20,160

happen to me it took me four tries a lot

197

00:06:24,230 --> 00:06:22,319

of it everybody in my class had to wait

198

00:06:25,590 --> 00:06:24,240

eight nine right ten years to fly

199

00:06:27,909 --> 00:06:25,600

everybody in the class before us had to

200

00:06:29,430 --> 00:06:27,919

wait for eight or nine years to fly so a

201
00:06:30,629 --> 00:06:29,440
bunch of us have had to wait a long time

202
00:06:32,469 --> 00:06:30,639
yeah that's true this is your first

203
00:06:35,029 --> 00:06:32,479
flight you've been an astronaut since

204
00:06:36,469 --> 00:06:35,039
been or nine years 2000 right so you go

205
00:06:38,550 --> 00:06:36,479
on a night really nine and a half when

206
00:06:40,150 --> 00:06:38,560
you fly yeah or more yeah so that

207
00:06:42,469 --> 00:06:40,160
determination and stuff that you learn

208
00:06:43,990 --> 00:06:42,479
as a you know as a youngster

209
00:06:45,909 --> 00:06:44,000
stays with you you got to stay where

210
00:06:48,469 --> 00:06:45,919
everything you're doing all right man

211
00:06:51,189 --> 00:06:48,479
here we have stephanie turner so your

212
00:06:53,510 --> 00:06:51,199
official title is training manager right

213
00:06:56,150 --> 00:06:53,520

which means that you are in charge of

214

00:06:56,950 --> 00:06:56,160

scheduling every training event right

215

00:06:58,710 --> 00:06:56,960

yes

216

00:07:01,510 --> 00:06:58,720

for and you did it for the crew i was on

217

00:07:03,390 --> 00:07:01,520

sts-125 your favorite crew absolutely

218

00:07:05,589 --> 00:07:03,400

and you're doing it now for this uh

219

00:07:08,070 --> 00:07:05,599

scs-129 or as we've come to know them

220

00:07:09,430 --> 00:07:08,080

now since their cake cutting ceremony

221

00:07:11,189 --> 00:07:09,440

team scorch

222

00:07:12,230 --> 00:07:11,199

apparently is okay so you're doing it

223

00:07:14,830 --> 00:07:12,240

for these guys you've done it for how

224

00:07:16,870 --> 00:07:14,840

many crews now have you uh 129 is my

225

00:07:18,469 --> 00:07:16,880

third and they're also assigned to 134

226

00:07:20,629 --> 00:07:18,479

who apply next year and they're my

227

00:07:22,870 --> 00:07:20,639

fourth okay so you've had

228

00:07:24,550 --> 00:07:22,880

this you've already had two crews that

229

00:07:26,710 --> 00:07:24,560

you've gotten through training i've seen

230

00:07:28,309 --> 00:07:26,720

two crews launched two cruise lines okay

231

00:07:30,870 --> 00:07:28,319

and now you've got you're working with

232

00:07:33,110 --> 00:07:30,880

with 120 with scorching these guys and

233

00:07:34,629 --> 00:07:33,120

you're gonna go to 134. so some of the

234

00:07:36,150 --> 00:07:34,639

typical things you

235

00:07:37,830 --> 00:07:36,160

schedule are like what give us some

236

00:07:39,830 --> 00:07:37,840

examples like of uh you know training

237

00:07:41,670 --> 00:07:39,840

events like real training events

238

00:07:43,029 --> 00:07:41,680

i schedule um

239

00:07:44,629 --> 00:07:43,039

everything in building five which is

240

00:07:46,790 --> 00:07:44,639

where we are now is the shuttle

241

00:07:48,550 --> 00:07:46,800

simulators we do accent entry training

242

00:07:49,990 --> 00:07:48,560

in here and orbit in the motion base and

243

00:07:51,510 --> 00:07:50,000

the fixed base simulators and across the

244

00:07:53,430 --> 00:07:51,520

street we have another one

245

00:07:55,510 --> 00:07:53,440

everything in building nine that's all

246

00:07:57,350 --> 00:07:55,520

the mockup training which we do

247

00:07:59,270 --> 00:07:57,360

um some shuttle mockups over there

248

00:08:02,390 --> 00:07:59,280

that's more of like crew habitability

249

00:08:03,990 --> 00:08:02,400

instead of like the the actual computer

250

00:08:05,110 --> 00:08:04,000

system type of software training we do

251
00:08:07,270 --> 00:08:05,120
over here

252
00:08:09,909 --> 00:08:07,280
and then also the iss mockups for this

253
00:08:11,909 --> 00:08:09,919
crew which we didn't have for your crew

254
00:08:13,430 --> 00:08:11,919
we did some of the hubble mock-ups over

255
00:08:14,950 --> 00:08:13,440
in building nine but we never got to see

256
00:08:17,350 --> 00:08:14,960
the space station site we didn't go to

257
00:08:19,270 --> 00:08:17,360
the space station right and so which is

258
00:08:21,110 --> 00:08:19,280
awful challenging in the scheduling

259
00:08:23,189 --> 00:08:21,120
world because we have so many expedition

260
00:08:25,589 --> 00:08:23,199
crew members in training and it's

261
00:08:28,390 --> 00:08:25,599
difficult um for the shuttle sometime to

262
00:08:30,230 --> 00:08:28,400
get in and uh it's a lot of coordination

263
00:08:32,230 --> 00:08:30,240

we have a priority list you know there's

264

00:08:34,389 --> 00:08:32,240

an etiquette in who you can bump out of

265

00:08:37,829 --> 00:08:34,399

where yeah it's a lot of that's

266

00:08:39,509 --> 00:08:37,839

interesting i scheduled that um also in

267

00:08:41,670 --> 00:08:39,519

uh

268

00:08:44,310 --> 00:08:41,680

the sta aircraft i schedule flights out

269

00:08:45,590 --> 00:08:44,320

at ellington um just about anywhere the

270

00:08:47,590 --> 00:08:45,600

crew trains

271

00:08:49,990 --> 00:08:47,600

a vr lab all that kind of virtual

272

00:08:51,590 --> 00:08:50,000

reality so you handle every aspect of

273

00:08:53,990 --> 00:08:51,600

the training from the launching into

274

00:08:55,350 --> 00:08:54,000

space to the landing back on earth

275

00:08:57,110 --> 00:08:55,360

that's right to the what they're going

276

00:08:58,870 --> 00:08:57,120

to do on the shuttle to what they're

277

00:09:00,150 --> 00:08:58,880

going to do on the space station to all

278

00:09:01,590 --> 00:09:00,160

the spacecrafts you got to handle

279

00:09:02,710 --> 00:09:01,600

everything now what else we got anything

280

00:09:04,230 --> 00:09:02,720

else going on with these guys that's

281

00:09:06,310 --> 00:09:04,240

kind of interesting let's see what else

282

00:09:07,269 --> 00:09:06,320

they got um one thing that was really

283

00:09:09,910 --> 00:09:07,279

neat

284

00:09:12,389 --> 00:09:09,920

that we did earlier this year that uh

285

00:09:13,910 --> 00:09:12,399

that butch barry wilmore put together

286

00:09:15,750 --> 00:09:13,920

was the

287

00:09:17,590 --> 00:09:15,760

couple of the crew member went out and

288

00:09:18,790 --> 00:09:17,600

met some of the troops on an aircraft

289

00:09:21,430 --> 00:09:18,800

carrier

290

00:09:24,150 --> 00:09:21,440

it was it was really neat it was it was

291

00:09:26,310 --> 00:09:24,160

challenging because the carrier was

292

00:09:28,070 --> 00:09:26,320

changing locations in their operations

293

00:09:29,030 --> 00:09:28,080

and although they were off of our east

294

00:09:31,350 --> 00:09:29,040

coast

295

00:09:33,670 --> 00:09:31,360

but we had to coordinate when we could

296

00:09:35,269 --> 00:09:33,680

let them go in our training and then

297

00:09:37,829 --> 00:09:35,279

where the carrier was for them to be

298

00:09:40,389 --> 00:09:37,839

able to get out there get on the carrier

299

00:09:41,750 --> 00:09:40,399

do their thing and then get back in time

300

00:09:43,750 --> 00:09:41,760

you know start training again on monday

301
00:09:45,509 --> 00:09:43,760
morning and the crew for the most part

302
00:09:47,030 --> 00:09:45,519
they did most of it on their own time

303
00:09:49,350 --> 00:09:47,040
which i think is interesting you know

304
00:09:51,190 --> 00:09:49,360
because it is like you like you said all

305
00:09:53,670 --> 00:09:51,200
of our training it is hard you know at

306
00:09:55,910 --> 00:09:53,680
home and but there's some things that

307
00:09:57,350 --> 00:09:55,920
they're just so worthwhile to to go

308
00:09:58,310 --> 00:09:57,360
ahead and do and these guys decided

309
00:10:00,070 --> 00:09:58,320
that's what they were going to do on