

# SOMEWHERE IN THE SKIES



UFO CONSPIRACIES  
WITH SARAH CRUDDAS

1  
00:00:05,970 --> 00:00:03,270  
today on the show astrophysicist and

2  
00:00:15,589 --> 00:00:05,980  
space journalist sarah crudders

3  
00:00:22,920 --> 00:00:18,390  
this is somewhere in the skies with ryan

4  
00:00:22,930 --> 00:00:37,430  
[Music]

5  
00:00:42,229 --> 00:00:40,310  
we have a really fun interview today for

6  
00:00:45,590 --> 00:00:42,239  
you guys i'm going to be talking to

7  
00:00:48,150 --> 00:00:45,600  
sarah credits she is a astrophysicist a

8  
00:00:51,830 --> 00:00:48,160  
space journalist and the co-host of a

9  
00:00:55,350 --> 00:00:51,840  
new show on sky history in the uk and

10  
00:00:57,910 --> 00:00:55,360  
that is ufo conspiracies with craig

11  
00:00:59,910 --> 00:00:57,920  
charles who i know my uk base knows very

12  
00:01:03,189 --> 00:00:59,920  
well so without further ado i'm going to

13  
00:01:06,149 --> 00:01:03,199

bring her in live from phoenix arizona

14

00:01:07,670 --> 00:01:06,159

sarah welcome to somewhere in the skies

15

00:01:08,950 --> 00:01:07,680

how are you doing thank you for having

16

00:01:10,870 --> 00:01:08,960

me

17

00:01:13,350 --> 00:01:10,880

absolutely i'm excited to talk to you

18

00:01:15,590 --> 00:01:13,360

now um sky history was kind enough to

19

00:01:18,149 --> 00:01:15,600

send me the first three episodes of the

20

00:01:20,789 --> 00:01:18,159

show that you're doing and um man you

21

00:01:23,670 --> 00:01:20,799

guys really you really hit the gamut you

22

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

went worldwide this isn't you know just

23

00:01:28,870 --> 00:01:25,920

you know all the pentagon ufo stuff here

24

00:01:31,270 --> 00:01:28,880

in the states you guys were all over the

25

00:01:33,749 --> 00:01:31,280

place so um i'm excited to talk to you

26

00:01:35,910 --> 00:01:33,759

about that but before we even do that

27

00:01:38,310 --> 00:01:35,920

i'd love to just uh get a feel for who

28

00:01:41,510 --> 00:01:38,320

you are how you got interested in uh in

29

00:01:43,190 --> 00:01:41,520

space in astrophysics and um what led

30

00:01:45,510 --> 00:01:43,200

you to where you are today what's the

31

00:01:47,830 --> 00:01:45,520

origin story oh gosh that's just a long

32

00:01:50,550 --> 00:01:47,840

story so i'm trying like

33

00:01:52,469 --> 00:01:50,560

paper it down for you somewhat um so i

34

00:01:53,910 --> 00:01:52,479

my background's in astrophysics uh and

35

00:01:56,069 --> 00:01:53,920

also journalism as well so quite an

36

00:01:57,910 --> 00:01:56,079

unusual background but for me

37

00:01:59,990 --> 00:01:57,920

you know space is as much about a search

38

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

for meaning and philosophy as it is

39

00:02:04,310 --> 00:02:02,320

about science and my first memory as a

40

00:02:05,910 --> 00:02:04,320

kid was looking up at the moon and then

41

00:02:07,830 --> 00:02:05,920

i used to love reading magazines about

42

00:02:10,229 --> 00:02:07,840

ufos and roswell and all that kind of

43

00:02:12,470 --> 00:02:10,239

stuff as a kid and uh learning about the

44

00:02:13,910 --> 00:02:12,480

planets in school and the panic venus i

45

00:02:16,550 --> 00:02:13,920

remember learning about this almost

46

00:02:18,550 --> 00:02:16,560

alien-like earth evil twin you know with

47

00:02:19,270 --> 00:02:18,560

this thick choking atmosphere and i was

48

00:02:21,110 --> 00:02:19,280

just

49

00:02:22,949 --> 00:02:21,120

hooked on on space science and space

50

00:02:24,470 --> 00:02:22,959

exploration for from a young age it's

51  
00:02:25,990 --> 00:02:24,480  
been a lifelong passion and i will

52  
00:02:28,470 --> 00:02:26,000  
always say to people

53  
00:02:30,309 --> 00:02:28,480  
why would you not be interested in space

54  
00:02:31,509 --> 00:02:30,319  
because it's you know space science is

55  
00:02:33,110 --> 00:02:31,519  
about

56  
00:02:34,710 --> 00:02:33,120  
profound questions you know as much

57  
00:02:36,790 --> 00:02:34,720  
about philosophy as it is science you

58  
00:02:39,110 --> 00:02:36,800  
know why do we exist where do we come

59  
00:02:40,630 --> 00:02:39,120  
from what is our destiny and of course

60  
00:02:43,670 --> 00:02:40,640  
are we alone in the universe and for me

61  
00:02:44,550 --> 00:02:43,680  
it's a lifelong passion i um

62  
00:02:45,990 --> 00:02:44,560  
you know

63  
00:02:47,670 --> 00:02:46,000

studied astrophysics at university

64

00:02:50,070 --> 00:02:47,680

specializing in active galaxy nuclei

65

00:02:51,509 --> 00:02:50,080

detection and then i started broadcast

66

00:02:53,670 --> 00:02:51,519

journalism and i was presented with the

67

00:02:55,589 --> 00:02:53,680

bbc for some time and now i work half

68

00:02:58,070 --> 00:02:55,599

within the commercial space sector and

69

00:02:59,910 --> 00:02:58,080

half on on television and

70

00:03:01,670 --> 00:02:59,920

and and for me it's a

71

00:03:03,589 --> 00:03:01,680

you know also write books about space

72

00:03:06,309 --> 00:03:03,599

vote i've written for um i've got fifth

73

00:03:08,790 --> 00:03:06,319

book coming out this year 2022 how is it

74

00:03:11,190 --> 00:03:08,800

2022 already but i mean

75

00:03:12,710 --> 00:03:11,200

it's very it's scary isn't it but for me

76

00:03:15,190 --> 00:03:12,720

you know the one thing

77

00:03:16,229 --> 00:03:15,200

all of us have in common pretty much and

78

00:03:18,550 --> 00:03:16,239

all of us have in common with our

79

00:03:19,910 --> 00:03:18,560

ancestors is that at some point in your

80

00:03:21,030 --> 00:03:19,920

lives all of us have looked up at the

81

00:03:23,270 --> 00:03:21,040

night sky

82

00:03:25,110 --> 00:03:23,280

and wandered and i love that notion of

83

00:03:27,350 --> 00:03:25,120

you know when you look at the night sky

84

00:03:29,350 --> 00:03:27,360

we now know that for pretty much every

85

00:03:31,509 --> 00:03:29,360

single star you can see when you look up

86

00:03:32,949 --> 00:03:31,519

in the night sky there's at least one

87

00:03:35,750 --> 00:03:32,959

planet watching around it there are

88

00:03:38,470 --> 00:03:35,760

likely more planets than stars in our

89

00:03:40,070 --> 00:03:38,480

our universe and i love the notion that

90

00:03:41,990 --> 00:03:40,080

you could be looking up at the night sky

91

00:03:43,589 --> 00:03:42,000

looking at one of those stars that just

92

00:03:44,869 --> 00:03:43,599

twinkle that all our ancestors have

93

00:03:46,309 --> 00:03:44,879

looked at you know that's the one thing

94

00:03:47,509 --> 00:03:46,319

you have in common with cavemen pretty

95

00:03:49,670 --> 00:03:47,519

much is that looking up and that

96

00:03:50,949 --> 00:03:49,680

wondering and you could be looking up at

97

00:03:52,229 --> 00:03:50,959

the night sky

98

00:03:54,229 --> 00:03:52,239

and there could be

99

00:03:56,149 --> 00:03:54,239

someone or something

100

00:03:58,070 --> 00:03:56,159

on a planet orbiting one of those stars

101  
00:04:00,949 --> 00:03:58,080  
that we've seen for an eternity of human

102  
00:04:03,670 --> 00:04:00,959  
existence looking up and seeing our sun

103  
00:04:05,910 --> 00:04:03,680  
in their night sky and i'm wondering the

104  
00:04:07,910 --> 00:04:05,920  
same question you know are they alone is

105  
00:04:08,710 --> 00:04:07,920  
there something else out there and i you

106  
00:04:11,350 --> 00:04:08,720  
know

107  
00:04:13,750 --> 00:04:11,360  
the universe is too vast too beautiful

108  
00:04:15,509 --> 00:04:13,760  
and too complex for us to be alone and

109  
00:04:18,229 --> 00:04:15,519  
it's something which all of us have

110  
00:04:19,590 --> 00:04:18,239  
pondered at some point and it is it goes

111  
00:04:21,590 --> 00:04:19,600  
back to that search for meaning and

112  
00:04:22,469 --> 00:04:21,600  
philosophy as much as it is science

113  
00:04:23,909 --> 00:04:22,479

because

114

00:04:25,670 --> 00:04:23,919

we're just beginning to scratch the

115

00:04:28,390 --> 00:04:25,680

surface of what is out there you know

116

00:04:30,230 --> 00:04:28,400

we've explored our earth and now the

117

00:04:31,749 --> 00:04:30,240

next step you know is no different to

118

00:04:33,189 --> 00:04:31,759

what we've done on earth in terms of

119

00:04:34,310 --> 00:04:33,199

like governments go first private

120

00:04:35,909 --> 00:04:34,320

industry follows that's what we're

121

00:04:37,270 --> 00:04:35,919

seeing in space exploration right now

122

00:04:38,870 --> 00:04:37,280

the only thing different

123

00:04:41,189 --> 00:04:38,880

is the playing field and all of us are

124

00:04:42,710 --> 00:04:41,199

living really in the best time for human

125

00:04:43,909 --> 00:04:42,720

exploration because

126  
00:04:46,230 --> 00:04:43,919  
it's no longer something which is

127  
00:04:47,749 --> 00:04:46,240  
fiction or even beyond fiction it's

128  
00:04:49,189 --> 00:04:47,759  
something which is a reality and

129  
00:04:51,270 --> 00:04:49,199  
something which is happening right now

130  
00:04:52,710 --> 00:04:51,280  
just last month i was with blue origin

131  
00:04:54,950 --> 00:04:52,720  
when one of my close friends actually

132  
00:04:56,870 --> 00:04:54,960  
flew to space aboard the blue origin and

133  
00:04:58,150 --> 00:04:56,880  
new shepard rocket um

134  
00:04:59,990 --> 00:04:58,160  
you know space is becoming something

135  
00:05:01,670 --> 00:05:00,000  
which is more and more relatable

136  
00:05:03,590 --> 00:05:01,680  
to more and more people and we're living

137  
00:05:05,590 --> 00:05:03,600  
in the best time and and to bring this i

138  
00:05:07,029 --> 00:05:05,600

guess onto ufos and uaps in the search

139

00:05:09,029 --> 00:05:07,039

for life elsewhere

140

00:05:11,110 --> 00:05:09,039

this is something which has gone from

141

00:05:12,710 --> 00:05:11,120

the realms of science fiction to uh you

142

00:05:15,590 --> 00:05:12,720

know or something which was a

143

00:05:17,110 --> 00:05:15,600

stigmatized you know or just

144

00:05:19,029 --> 00:05:17,120

laughed at something which people are

145

00:05:20,710 --> 00:05:19,039

starting to take seriously because the

146

00:05:21,830 --> 00:05:20,720

vastness of the universe and the fact

147

00:05:24,469 --> 00:05:21,840

that you know i'll give you a great

148

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

example if you were to condense all the

149

00:05:29,990 --> 00:05:26,960

oceans or sorry all of the universe down

150

00:05:32,070 --> 00:05:30,000

to the size of all the oceans on earth

151  
00:05:35,029 --> 00:05:32,080  
10 20 years ago

152  
00:05:36,710 --> 00:05:35,039  
if you scoop a thimble full of water up

153  
00:05:38,390 --> 00:05:36,720  
of the oceans all the oceans on earth

154  
00:05:39,670 --> 00:05:38,400  
and they represent you know all of our

155  
00:05:41,670 --> 00:05:39,680  
universe as

156  
00:05:43,189 --> 00:05:41,680  
that's how much we've searched of our

157  
00:05:45,510 --> 00:05:43,199  
universe and today i'll use this

158  
00:05:47,270 --> 00:05:45,520  
starbucks smell but other other drinks

159  
00:05:49,830 --> 00:05:47,280  
are available

160  
00:05:52,150 --> 00:05:49,840  
but today it's more like a starbucks mug

161  
00:05:54,070 --> 00:05:52,160  
size you know grande size of water that

162  
00:05:56,150 --> 00:05:54,080  
we've searched we're slowly

163  
00:05:57,749 --> 00:05:56,160

willing to edge out into our cosmos and

164

00:05:59,749 --> 00:05:57,759

that you know there's great advances in

165

00:06:01,590 --> 00:05:59,759

space science and technology we know

166

00:06:03,110 --> 00:06:01,600

that it's a case of

167

00:06:05,510 --> 00:06:03,120

you know it's very likely mathematically

168

00:06:06,870 --> 00:06:05,520

a case of when not if we'll find out

169

00:06:08,710 --> 00:06:06,880

we're not alone certainly within our own

170

00:06:10,390 --> 00:06:08,720

solar system even though the answer will

171

00:06:12,150 --> 00:06:10,400

might actually be evidence of past

172

00:06:14,790 --> 00:06:12,160

microbial life perhaps on mars or

173

00:06:17,110 --> 00:06:14,800

enceladus or europa but we're just we're

174

00:06:18,710 --> 00:06:17,120

just beginning to cast off the east side

175

00:06:20,390 --> 00:06:18,720

in the same way that our ancestors who

176  
00:06:21,510 --> 00:06:20,400  
explored earth could not imagine what

177  
00:06:23,350 --> 00:06:21,520  
they found

178  
00:06:25,350 --> 00:06:23,360  
exactly the same thing

179  
00:06:27,670 --> 00:06:25,360  
is happening now you know and we're the

180  
00:06:30,309 --> 00:06:27,680  
ones which have that front row seat in

181  
00:06:31,909 --> 00:06:30,319  
potentially you know it's our generation

182  
00:06:33,430 --> 00:06:31,919  
which could be the generation that is

183  
00:06:35,189 --> 00:06:33,440  
part of making that discovery which

184  
00:06:36,870 --> 00:06:35,199  
changes everything for humanity it's no

185  
00:06:39,430 --> 00:06:36,880  
longer science fiction

186  
00:06:40,950 --> 00:06:39,440  
it's it's science prediction and it's

187  
00:06:42,070 --> 00:06:40,960  
better than any science fiction movie

188  
00:06:43,510 --> 00:06:42,080

because it's a reality which is

189

00:06:46,309 --> 00:06:43,520

happening now

190

00:06:49,029 --> 00:06:46,319

right yeah it is exciting times and like

191

00:06:51,350 --> 00:06:49,039

you said i feel so lucky to live in a

192

00:06:52,790 --> 00:06:51,360

time where we could possibly find some

193

00:06:55,990 --> 00:06:52,800

of those answers you know things like

194

00:06:57,990 --> 00:06:56,000

the james webb telescope and and um blue

195

00:07:00,870 --> 00:06:58,000

origin and all these privatized

196

00:07:02,710 --> 00:07:00,880

companies exploring space it's exciting

197

00:07:04,950 --> 00:07:02,720

it's really exciting time to live in and

198

00:07:07,589 --> 00:07:04,960

then you have on the other side of that

199

00:07:11,909 --> 00:07:07,599

you have people who believe that we have

200

00:07:13,510 --> 00:07:11,919

been visited that these uaps or ufos are

201  
00:07:15,749 --> 00:07:13,520  
an intelligent

202  
00:07:17,990 --> 00:07:15,759  
civilization from elsewhere that have

203  
00:07:19,749 --> 00:07:18,000  
visited our planet and that's kind of um

204  
00:07:21,670 --> 00:07:19,759  
what brings us up to today this show

205  
00:07:24,070 --> 00:07:21,680  
that you're that you're on uh ufo

206  
00:07:26,150 --> 00:07:24,080  
conspiracies with craig charles who does

207  
00:07:28,950 --> 00:07:26,160  
believe we have been

208  
00:07:30,390 --> 00:07:28,960  
the modern study of television exactly

209  
00:07:31,909 --> 00:07:30,400  
i've got more of this scientific

210  
00:07:33,270 --> 00:07:31,919  
background where craig and let me get

211  
00:07:34,870 --> 00:07:33,280  
this right so particularly if you're

212  
00:07:36,870 --> 00:07:34,880  
british viewers craig is a household

213  
00:07:38,230 --> 00:07:36,880

name in the uk and craig i grew up

214

00:07:40,230 --> 00:07:38,240

watching craig on a show called red

215

00:07:42,070 --> 00:07:40,240

dwarf if you haven't seen it i highly

216

00:07:43,510 --> 00:07:42,080

recommend it it's this space science

217

00:07:46,390 --> 00:07:43,520

fiction comedy

218

00:07:48,790 --> 00:07:46,400

um but you know

219

00:07:50,469 --> 00:07:48,800

he's no longer science fiction and craig

220

00:07:51,990 --> 00:07:50,479

is a smart guy his character on red

221

00:07:54,629 --> 00:07:52,000

dwarf was very different to how craig is

222

00:07:56,230 --> 00:07:54,639

in real life but he's got his

223

00:07:57,670 --> 00:07:56,240

passion and his curiosity and this

224

00:07:59,749 --> 00:07:57,680

wonder about the universe and then i

225

00:08:01,350 --> 00:07:59,759

kind of bring in the yeah but craig we

226

00:08:02,390 --> 00:08:01,360

can prove it because from my point of

227

00:08:04,150 --> 00:08:02,400

view

228

00:08:06,710 --> 00:08:04,160

there's less of a stigma associated with

229

00:08:08,710 --> 00:08:06,720

saying you've seen a uap you know or a

230

00:08:11,029 --> 00:08:08,720

ufo the stigma is changing and i think

231

00:08:13,029 --> 00:08:11,039

that's a good thing but at the same time

232

00:08:14,950 --> 00:08:13,039

it's okay to say i saw something in the

233

00:08:16,230 --> 00:08:14,960

night sky and then found out find out it

234

00:08:17,670 --> 00:08:16,240

can be explained by something more down

235

00:08:20,390 --> 00:08:17,680

to earth because all these sightings are

236

00:08:22,309 --> 00:08:20,400

not all going to be aliens but it's

237

00:08:24,390 --> 00:08:22,319

looking for those diamonds in the rough

238

00:08:25,909 --> 00:08:24,400

those things that we cannot yet explain

239

00:08:27,589 --> 00:08:25,919

those things where you've got multiple

240

00:08:29,749 --> 00:08:27,599

witnesses where you've got credible

241

00:08:31,670 --> 00:08:29,759

witnesses where you can say okay let's

242

00:08:33,430 --> 00:08:31,680

trust then try and verify let's take

243

00:08:35,110 --> 00:08:33,440

that approach that's what's really

244

00:08:36,310 --> 00:08:35,120

exciting and i think it's important that

245

00:08:38,149 --> 00:08:36,320

people see things that they can't

246

00:08:39,670 --> 00:08:38,159

explain they do come forward and talk

247

00:08:40,870 --> 00:08:39,680

about it and then but also on the flip

248

00:08:42,949 --> 00:08:40,880

side

249

00:08:44,710 --> 00:08:42,959

except that some things can be explained

250

00:08:46,070 --> 00:08:44,720

by an earthly thing but what we're

251

00:08:47,269 --> 00:08:46,080

looking for is a really exciting stuff

252

00:08:48,870 --> 00:08:47,279

what we're looking for is the stuff

253

00:08:50,949 --> 00:08:48,880

which has those credible witnesses you

254

00:08:52,150 --> 00:08:50,959

know there's a case with the the pilots

255

00:08:53,829 --> 00:08:52,160

over ireland i think it's british

256

00:08:55,110 --> 00:08:53,839

airways and a virgin atlantic flight and

257

00:08:57,509 --> 00:08:55,120

they saw something they can't explain in

258

00:09:01,190 --> 00:08:57,519

the night sky or in the daytime sky the

259

00:09:02,630 --> 00:09:01,200

sunrise guy um the dawn sky and you just

260

00:09:05,670 --> 00:09:02,640

think pilots they spend a lot of their

261

00:09:07,670 --> 00:09:05,680

time in the sky they know the sky more

262

00:09:09,190 --> 00:09:07,680

than any other person because uh you

263

00:09:11,269 --> 00:09:09,200

know they fly for a living so when they

264

00:09:12,630 --> 00:09:11,279

say see something they can't explain and

265

00:09:14,310 --> 00:09:12,640

they're likely you know many of these

266

00:09:15,750 --> 00:09:14,320

pilots are ex-military or you know

267

00:09:17,190 --> 00:09:15,760

they're gonna get stigmatised for coming

268

00:09:19,030 --> 00:09:17,200

forward if they're coming forward and

269

00:09:20,470 --> 00:09:19,040

saying i see something that i can't

270

00:09:22,550 --> 00:09:20,480

explain and i know this guy's better

271

00:09:23,910 --> 00:09:22,560

than anyone we need to start taking

272

00:09:26,070 --> 00:09:23,920

those titans seriously and we need to

273

00:09:27,990 --> 00:09:26,080

remove the stigma towards people who

274

00:09:29,190 --> 00:09:28,000

come forward and say i can't explain

275

00:09:31,910 --> 00:09:29,200

something

276

00:09:34,150 --> 00:09:31,920

yeah exactly and i think that's what uh

277

00:09:37,269 --> 00:09:34,160

you and craig do throughout the series

278

00:09:39,990 --> 00:09:37,279

is um you do legitimize this topic and

279

00:09:42,790 --> 00:09:40,000

you do empower pilots and um even

280

00:09:44,870 --> 00:09:42,800

civilians and military to come forward

281

00:09:47,030 --> 00:09:44,880

with their stories you did interview

282

00:09:49,829 --> 00:09:47,040

people involved with the famous tic tac

283

00:09:51,829 --> 00:09:49,839

event or the the pen turk event which

284

00:09:55,829 --> 00:09:51,839

i'd love to briefly touch on with you

285

00:09:59,269 --> 00:09:57,670

because i'm in phoenix

286

00:10:01,030 --> 00:09:59,279

i've spent time in phoenix before for

287

00:10:02,710 --> 00:10:01,040

previous shows that i've worked on um

288

00:10:04,310 --> 00:10:02,720

you know it's a great city i love

289

00:10:06,310 --> 00:10:04,320

phoenix but you know this was the

290

00:10:08,870 --> 00:10:06,320

largest you know we talked about this on

291

00:10:10,389 --> 00:10:08,880

the show ufo conspiracy craig charles we

292

00:10:13,990 --> 00:10:10,399

you know the phoenix lights was the

293

00:10:15,910 --> 00:10:14,000

largest ever mass sighting of a ufo and

294

00:10:17,670 --> 00:10:15,920

this is back in multiple objects

295

00:10:19,190 --> 00:10:17,680

actually in the 1990s and i think we

296

00:10:21,190 --> 00:10:19,200

need to and it still remains one of the

297

00:10:22,949 --> 00:10:21,200

greatest mysteries and we need to

298

00:10:23,829 --> 00:10:22,959

and what we try and do in this show is

299

00:10:25,110 --> 00:10:23,839

is

300

00:10:26,949 --> 00:10:25,120

give a voice to people who've seen

301  
00:10:28,710 --> 00:10:26,959  
something they can't explain apply

302  
00:10:30,630 --> 00:10:28,720  
scientific analysis but also try and

303  
00:10:32,470 --> 00:10:30,640  
broaden it to a mainstream audience as

304  
00:10:33,990 --> 00:10:32,480  
well because i think we're seeing less

305  
00:10:36,470 --> 00:10:34,000  
of that stigma perhaps if you go back to

306  
00:10:38,470 --> 00:10:36,480  
the 1970s and 1960s project blue book

307  
00:10:40,150 --> 00:10:38,480  
and the disinformation campaigns we're

308  
00:10:41,670 --> 00:10:40,160  
seeing less stigma now and i think what

309  
00:10:43,030 --> 00:10:41,680  
happened what helped actually is when

310  
00:10:44,310 --> 00:10:43,040  
the us government came out with the

311  
00:10:46,550 --> 00:10:44,320  
nimitz and said you know what and we

312  
00:10:48,389 --> 00:10:46,560  
talk about the limits of the show geo we

313  
00:10:50,069 --> 00:10:48,399

can't explain this whether it's

314

00:10:52,150 --> 00:10:50,079

russia or chinese technology or whether

315

00:10:53,590 --> 00:10:52,160

it's something not this earth we cannot

316

00:10:56,310 --> 00:10:53,600

prove just yet but the fact that

317

00:10:57,750 --> 00:10:56,320

governments are starting to legitimize

318

00:10:58,949 --> 00:10:57,760

sightings particularly for military

319

00:11:00,790 --> 00:10:58,959

personnel

320

00:11:02,389 --> 00:11:00,800

that makes it more credible and it makes

321

00:11:04,150 --> 00:11:02,399

people i think often for people who have

322

00:11:06,949 --> 00:11:04,160

seen something they can't explain they

323

00:11:09,829 --> 00:11:06,959

must feel quite alone and a show like

324

00:11:11,269 --> 00:11:09,839

this is a voice to those people to say

325

00:11:12,310 --> 00:11:11,279

you are not alone you are not the only

326

00:11:14,069 --> 00:11:12,320

one who's experienced something like

327

00:11:16,150 --> 00:11:14,079

this i'm not going to tell you it was

328

00:11:17,990 --> 00:11:16,160

probably aliens however

329

00:11:20,389 --> 00:11:18,000

i'm going to tell you it's not alone and

330

00:11:22,949 --> 00:11:20,399

we're going to apply the best scientific

331

00:11:24,389 --> 00:11:22,959

analysis that we can to see

332

00:11:25,910 --> 00:11:24,399

whether there's some validity in this

333

00:11:27,190 --> 00:11:25,920

whether we can find you an answer one

334

00:11:28,550 --> 00:11:27,200

way or the other and what's so exciting

335

00:11:30,630 --> 00:11:28,560

about this show is we can't find the

336

00:11:33,190 --> 00:11:30,640

answers for everything

337

00:11:34,470 --> 00:11:33,200

yep yeah they're they're yet to be to be

338

00:11:37,110 --> 00:11:34,480

answered and that's what makes this

339

00:11:39,269 --> 00:11:37,120

mystery so exciting for me i love the

340

00:11:40,870 --> 00:11:39,279

journey it's not really the destination

341

00:11:43,269 --> 00:11:40,880

i love meeting people i love meeting

342

00:11:46,389 --> 00:11:43,279

witnesses and um one of those witnesses

343

00:11:48,630 --> 00:11:46,399

was kaz clark um who is a witness to the

344

00:11:50,949 --> 00:11:48,640

very controversial penturk event in

345

00:11:53,269 --> 00:11:50,959

south wales so i'd love to get kind of

346

00:11:55,030 --> 00:11:53,279

just your uh your brief thoughts on that

347

00:11:57,030 --> 00:11:55,040

investigation sarah what was it like

348

00:11:59,509 --> 00:11:57,040

hearing that story had you known about

349

00:12:01,990 --> 00:11:59,519

that event this was quite recent if uh

350

00:12:04,310 --> 00:12:02,000

2016 this happened what do you make of

351

00:12:07,430 --> 00:12:04,320

that whole event i i think the event's

352

00:12:09,269 --> 00:12:07,440

interesting i think i was personally

353

00:12:11,030 --> 00:12:09,279

more skeptical and then craig and i'm

354

00:12:12,710 --> 00:12:11,040

sure you've seen on the show but i think

355

00:12:14,629 --> 00:12:12,720

it's important that we

356

00:12:16,550 --> 00:12:14,639

give people a voice and give people a

357

00:12:17,829 --> 00:12:16,560

platform in this and start telling those

358

00:12:20,230 --> 00:12:17,839

stories because you know i'm a

359

00:12:22,470 --> 00:12:20,240

journalist as well as a scientist and

360

00:12:24,230 --> 00:12:22,480

giving people a voice giving people you

361

00:12:26,790 --> 00:12:24,240

know an unbiased way to talk about their

362

00:12:28,310 --> 00:12:26,800

experiences and then allowing people to

363

00:12:30,310 --> 00:12:28,320

make up their own conclusions we've

364

00:12:31,670 --> 00:12:30,320

applied the scientific evidence and

365

00:12:33,670 --> 00:12:31,680

we've applied as much scientific

366

00:12:36,150 --> 00:12:33,680

analysis to this particular case as we

367

00:12:37,910 --> 00:12:36,160

can possibly come possibly and actually

368

00:12:39,430 --> 00:12:37,920

you know as i mentioned before it's okay

369

00:12:40,949 --> 00:12:39,440

to come forward and say

370

00:12:42,710 --> 00:12:40,959

do you know what this one can be

371

00:12:45,110 --> 00:12:42,720

explained away i'm not too sure about it

372

00:12:46,629 --> 00:12:45,120

because there's so many other uap ufo

373

00:12:48,470 --> 00:12:46,639

sightings out there that cannot be

374

00:12:50,069 --> 00:12:48,480

explained but it's almost good that we

375

00:12:51,590 --> 00:12:50,079

can say no this one can be explained

376

00:12:53,030 --> 00:12:51,600

this one is incredible because it leaves

377

00:12:55,190 --> 00:12:53,040

us with all the other great stuff that

378

00:12:57,430 --> 00:12:55,200

can't be explained

379

00:12:58,470 --> 00:12:57,440

exactly yeah i know it's just always

380

00:13:00,949 --> 00:12:58,480

that like

381

00:13:03,110 --> 00:13:00,959

five percent you know probably 95 of it

382

00:13:05,430 --> 00:13:03,120

can be explained in some conventional

383

00:13:07,829 --> 00:13:05,440

way but that five percent is like what

384

00:13:10,230 --> 00:13:07,839

we crave and what keeps us curious one

385

00:13:11,590 --> 00:13:10,240

day the answer will be aliens

386

00:13:13,190 --> 00:13:11,600

we don't know we don't know whether

387

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

that's tomorrow whether that's you know

388

00:13:16,470 --> 00:13:14,880

a thousand years from now whether you

389

00:13:18,470 --> 00:13:16,480

know and not just aliens it will be an

390

00:13:19,910 --> 00:13:18,480

intelligent civilization because you you

391

00:13:22,069 --> 00:13:19,920

look at the vastness of the universe and

392

00:13:23,750 --> 00:13:22,079

you look at how although we feel old and

393

00:13:25,670 --> 00:13:23,760

vast and big and great actually we're

394

00:13:27,829 --> 00:13:25,680

tiny we're expecting the cosmos our

395

00:13:29,829 --> 00:13:27,839

civilization is relatively young as a

396

00:13:31,350 --> 00:13:29,839

technological civilization we're only

397

00:13:33,110 --> 00:13:31,360

about 100 years old you know as a

398

00:13:35,269 --> 00:13:33,120

technological faring civilization you

399

00:13:36,870 --> 00:13:35,279

look at how exponential that

400

00:13:38,550 --> 00:13:36,880

technological

401  
00:13:40,470 --> 00:13:38,560  
curve is for humans you look at the

402  
00:13:42,150 --> 00:13:40,480  
world a hundred years ago and the world

403  
00:13:43,670 --> 00:13:42,160  
of today

404  
00:13:45,269 --> 00:13:43,680  
our world today seems like science

405  
00:13:47,670 --> 00:13:45,279  
fiction to only if you know our great

406  
00:13:49,030 --> 00:13:47,680  
grandparents generation and it's just

407  
00:13:49,910 --> 00:13:49,040  
going to change and change and change

408  
00:13:51,670 --> 00:13:49,920  
and you imagine if there are

409  
00:13:53,350 --> 00:13:51,680  
civilizations out there and you hope

410  
00:13:54,790 --> 00:13:53,360  
that civilization's out there and

411  
00:13:56,389 --> 00:13:54,800  
they're much older than us much more

412  
00:13:59,269 --> 00:13:56,399  
advanced we

413  
00:14:00,949 --> 00:13:59,279

it would seem beyond the imagination so

414

00:14:02,310 --> 00:14:00,959

there's some stuff we can rule out but i

415

00:14:04,389 --> 00:14:02,320

think it's important to keep an open

416

00:14:06,629 --> 00:14:04,399

mind with this and just to be you know

417

00:14:09,189 --> 00:14:06,639

one of my favorite cases was a muramura

418

00:14:11,030 --> 00:14:09,199

which is the extrasolar object uh which

419

00:14:12,629 --> 00:14:11,040

was discovered passing through our it

420

00:14:13,990 --> 00:14:12,639

was the first ever ever extrasolar

421

00:14:16,069 --> 00:14:14,000

object that we discovered passing

422

00:14:17,269 --> 00:14:16,079

through our solar system and i'm sure

423

00:14:19,350 --> 00:14:17,279

all your listeners and viewers know but

424

00:14:21,350 --> 00:14:19,360

extrasolar object basically means an

425

00:14:22,710 --> 00:14:21,360

object which did not come from our solar

426

00:14:25,269 --> 00:14:22,720

system and

427

00:14:26,470 --> 00:14:25,279

we expected this object to be spherical

428

00:14:28,710 --> 00:14:26,480

because that goes with what we know

429

00:14:30,629 --> 00:14:28,720

about planetary formation and a muammur

430

00:14:32,629 --> 00:14:30,639

was cigar shaped it was very long and

431

00:14:33,350 --> 00:14:32,639

very thin and there is this hypothesis

432

00:14:34,870 --> 00:14:33,360

that

433

00:14:36,230 --> 00:14:34,880

potentially because the weight

434

00:14:37,990 --> 00:14:36,240

accelerated as well as it came through

435

00:14:40,310 --> 00:14:38,000

our solar system potentially it was an

436

00:14:42,389 --> 00:14:40,320

alien spacecraft and we will never know

437

00:14:44,629 --> 00:14:42,399

for certain because that object has now

438

00:14:46,230 --> 00:14:44,639

passed us by i mean you look at the way

439

00:14:47,509 --> 00:14:46,240

humans have started to explore the solar

440

00:14:49,910 --> 00:14:47,519

system we've gone

441

00:14:52,150 --> 00:14:49,920

you know to the moon 50 years ago we've

442

00:14:53,990 --> 00:14:52,160

gone to earth albeit and that's about it

443

00:14:56,310 --> 00:14:54,000

and then what's gone furthest

444

00:14:57,590 --> 00:14:56,320

is robots you know robots are our eyes

445

00:14:59,269 --> 00:14:57,600

and it is in the solar system you look

446

00:15:01,509 --> 00:14:59,279

at the two voyager spacecraft they've

447

00:15:03,030 --> 00:15:01,519

left our solar system and when

448

00:15:04,470 --> 00:15:03,040

our earth is gone our solar system has

449

00:15:06,230 --> 00:15:04,480

gone our sun has died you know millions

450

00:15:07,990 --> 00:15:06,240

from years now where there's no

451

00:15:09,990 --> 00:15:08,000

relic of our existence

452

00:15:12,629 --> 00:15:10,000

those two voyages spacecraft will be

453

00:15:14,949 --> 00:15:12,639

cosmic messages out there in the cosmic

454

00:15:17,030 --> 00:15:14,959

ocean like you know messages in a bottle

455

00:15:19,430 --> 00:15:17,040

the last relics of human history and

456

00:15:20,870 --> 00:15:19,440

they both at some point will um reach

457

00:15:22,710 --> 00:15:20,880

two stars two separate stars that we can

458

00:15:24,069 --> 00:15:22,720

see in our night sky so humanity no

459

00:15:25,990 --> 00:15:24,079

matter what happens to us no matter if

460

00:15:28,710 --> 00:15:26,000

we even stop exploring that we'll have

461

00:15:29,990 --> 00:15:28,720

finally literally reached the start so

462

00:15:32,550 --> 00:15:30,000

there's always going to be this robotic

463

00:15:33,990 --> 00:15:32,560

evidence of our existence as a species

464

00:15:36,310 --> 00:15:34,000

and then you apply that same kind of

465

00:15:38,069 --> 00:15:36,320

logic to an alien civilization and

466

00:15:39,670 --> 00:15:38,079

perhaps it's the case that the first

467

00:15:41,670 --> 00:15:39,680

aliens we ever make contact with or if

468

00:15:42,790 --> 00:15:41,680

an alien spacecraft is ever proved to

469

00:15:45,189 --> 00:15:42,800

have contour

470

00:15:47,030 --> 00:15:45,199

perhaps it's robotic and not

471

00:15:48,470 --> 00:15:47,040

you know life as we know it carbon-based

472

00:15:50,150 --> 00:15:48,480

life perhaps it's something robotic

473

00:15:51,910 --> 00:15:50,160

because it makes sense based you know

474

00:15:54,310 --> 00:15:51,920

the only concrete example we have of

475

00:15:56,310 --> 00:15:54,320

life anywhere in the universe is one

476

00:15:58,389 --> 00:15:56,320

it's all of us and all the species that

477

00:16:00,389 --> 00:15:58,399

live on this planet so maybe the first

478

00:16:02,389 --> 00:16:00,399

um and we know we send robots out so

479

00:16:04,310 --> 00:16:02,399

maybe the first aliens we discover

480

00:16:06,389 --> 00:16:04,320

are robots or maybe

481

00:16:07,990 --> 00:16:06,399

you know we speak with seti i've done a

482

00:16:10,230 --> 00:16:08,000

lot of work with seti the team at saturn

483

00:16:12,150 --> 00:16:10,240

amazing and seth shostak who i'm sure

484

00:16:14,150 --> 00:16:12,160

you're aware of bill diamond who's ceo

485

00:16:16,310 --> 00:16:14,160

of seti um

486

00:16:17,430 --> 00:16:16,320

and and they talk about how

487

00:16:18,790 --> 00:16:17,440

you know

488

00:16:20,310 --> 00:16:18,800

should they get a signal and should that

489

00:16:21,829 --> 00:16:20,320

signal be proved to be

490

00:16:24,389 --> 00:16:21,839

from an intelligent civilization and

491

00:16:25,910 --> 00:16:24,399

we've got a few close signals but you

492

00:16:27,030 --> 00:16:25,920

know which couldn't be explained but

493

00:16:29,350 --> 00:16:27,040

should that be from an intelligent

494

00:16:31,430 --> 00:16:29,360

civilization and somehow we as a very

495

00:16:32,710 --> 00:16:31,440

divided planet work out a way to

496

00:16:33,910 --> 00:16:32,720

actually send a signal back and

497

00:16:36,310 --> 00:16:33,920

communicate

498

00:16:37,350 --> 00:16:36,320

and you know and and to represent earth

499

00:16:38,710 --> 00:16:37,360

because even though we're dividing on

500

00:16:40,389 --> 00:16:38,720

earth we are

501  
00:16:41,670 --> 00:16:40,399  
one planet one species in the vastness

502  
00:16:43,430 --> 00:16:41,680  
of the cosmos

503  
00:16:45,350 --> 00:16:43,440  
say we send a signal say that signal

504  
00:16:47,749 --> 00:16:45,360  
comes from somewhere 50 light years away

505  
00:16:49,590 --> 00:16:47,759  
so take 50 years get to us more than 50

506  
00:16:50,550 --> 00:16:49,600  
years and then we send you back and

507  
00:16:52,389 --> 00:16:50,560  
it'll take another you know we're

508  
00:16:54,470 --> 00:16:52,399  
talking over a hundred years and then it

509  
00:16:56,150 --> 00:16:54,480  
becomes almost like archaeology because

510  
00:16:58,069 --> 00:16:56,160  
you're talking to their partners into

511  
00:16:59,829 --> 00:16:58,079  
our past and is it going to be a case of

512  
00:17:02,150 --> 00:16:59,839  
not aliens visiting us but finding a

513  
00:17:03,590 --> 00:17:02,160

signal and then we have a case of space

514

00:17:06,390 --> 00:17:03,600

archaeology going on in the same way

515

00:17:07,909 --> 00:17:06,400

that we communicate with our ancestors

516

00:17:09,429 --> 00:17:07,919

through relics that they've left behind

517

00:17:11,750 --> 00:17:09,439

in signals that they've left behind is

518

00:17:13,510 --> 00:17:11,760

that going to be the case we we

519

00:17:15,110 --> 00:17:13,520

just don't know and you know it goes

520

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

back to that there's a great quote by

521

00:17:19,270 --> 00:17:17,120

this evolutionary biologist called jbs

522

00:17:20,870 --> 00:17:19,280

holiday and i'll paraphrase it and but

523

00:17:23,270 --> 00:17:20,880

it's the universe is not only as strange

524

00:17:25,029 --> 00:17:23,280

as you can imagine it's stranger than

525

00:17:27,990 --> 00:17:25,039

you can imagine then and that's what's

526

00:17:30,549 --> 00:17:28,000

so exciting about now things are beyond

527

00:17:31,990 --> 00:17:30,559

the imagination and and that's why

528

00:17:33,590 --> 00:17:32,000

you know i'm so proud of the ufo

529

00:17:35,110 --> 00:17:33,600

community for coming forward and talking

530

00:17:37,270 --> 00:17:35,120

about things that they cannot explain

531

00:17:39,110 --> 00:17:37,280

and going up against that stigma as well

532

00:17:40,789 --> 00:17:39,120

because um there is a lot of stigma

533

00:17:42,470 --> 00:17:40,799

associated with saying you've seen a ufo

534

00:17:44,390 --> 00:17:42,480

sighting but also being willing to

535

00:17:46,230 --> 00:17:44,400

accept that some things can be disproved

536

00:17:48,870 --> 00:17:46,240

and it's great to see this subject

537

00:17:51,350 --> 00:17:48,880

becoming more mainstream

538

00:17:53,190 --> 00:17:51,360

absolutely not in my lifetime did i

539

00:17:55,110 --> 00:17:53,200

think i would see that when i first got

540

00:17:57,430 --> 00:17:55,120

involved with you

541

00:18:00,310 --> 00:17:57,440

what got you involved i actually had a

542

00:18:03,669 --> 00:18:00,320

sighting when i was 12 years old yeah i

543

00:18:06,310 --> 00:18:03,679

saw a triangular uh formation of lights

544

00:18:08,230 --> 00:18:06,320

over a body of water that i couldn't

545

00:18:11,270 --> 00:18:08,240

explain i saw it with my father actually

546

00:18:13,110 --> 00:18:11,280

so i had another witness with me and um

547

00:18:16,150 --> 00:18:13,120

we just could not make sense of it it

548

00:18:18,310 --> 00:18:16,160

just floated over silently disappeared

549

00:18:20,310 --> 00:18:18,320

and um changed my life so i mean that's

550

00:18:22,470 --> 00:18:20,320

what this topic can do to people when

551  
00:18:24,789 --> 00:18:22,480  
they can't process what they're seeing

552  
00:18:26,950 --> 00:18:24,799  
and try to find answers so again i think

553  
00:18:29,430 --> 00:18:26,960  
you're right we live in a time where

554  
00:18:34,230 --> 00:18:29,440  
this is becoming more accepted and maybe

555  
00:18:39,669 --> 00:18:36,390  
hey guys ryan here the summer in the

556  
00:18:41,830 --> 00:18:39,679  
skies podcast is a labor of love every

557  
00:18:44,230 --> 00:18:41,840  
week and with that comes many different

558  
00:18:46,950 --> 00:18:44,240  
costs to keep the show running that's

559  
00:18:49,110 --> 00:18:46,960  
where our patreon campaign comes in you

560  
00:18:51,430 --> 00:18:49,120  
give what you think the show is worth

561  
00:18:53,350 --> 00:18:51,440  
there's different rewards available all

562  
00:18:55,909 --> 00:18:53,360  
the time including shout outs on the

563  
00:18:58,710 --> 00:18:55,919

show early editions of main episodes

564

00:19:01,190 --> 00:18:58,720

bonus episodes and content and very soon

565

00:19:04,549 --> 00:19:01,200

monthly patron hangouts where we sit

566

00:19:06,310 --> 00:19:04,559

back and chat all things ufos so i hope

567

00:19:08,789 --> 00:19:06,320

you'll consider becoming a patreon

568

00:19:12,150 --> 00:19:08,799

subscriber today to learn more and to

569

00:19:14,390 --> 00:19:12,160

join visit patreon.com

570

00:19:22,390 --> 00:19:14,400

somewhereskies thank you for your

571

00:19:27,190 --> 00:19:25,029

do you like stories of the strange the

572

00:19:30,150 --> 00:19:27,200

weird and the unexplained then we want

573

00:19:32,789 --> 00:19:30,160

you to check out jim harold's campfire

574

00:19:35,590 --> 00:19:32,799

the concept is pretty simple jim talks

575

00:19:37,669 --> 00:19:35,600

to regular people about strange stuff

576

00:19:41,350 --> 00:19:37,679

that happens to them and yes that

577

00:19:43,909 --> 00:19:41,360

includes ufos along with cryptids ghosts

578

00:19:47,029 --> 00:19:43,919

and head scratchers he doesn't

579

00:19:49,190 --> 00:19:47,039

exaggerate or play a lot of spooky music

580

00:19:52,150 --> 00:19:49,200

kinda like i'm doing right now the

581

00:19:55,270 --> 00:19:52,160

stories speak for themselves ones like a

582

00:19:58,070 --> 00:19:55,280

ghost story involving serial killer ted

583

00:20:01,270 --> 00:19:58,080

bundy or the young man who encountered

584

00:20:03,669 --> 00:20:01,280

an eight-legged demon then there's the

585

00:20:06,470 --> 00:20:03,679

story of an alien abduction by what

586

00:20:09,430 --> 00:20:06,480

could be considered a reptilian now not

587

00:20:11,669 --> 00:20:09,440

all the stories are horrifying some are

588

00:20:14,230 --> 00:20:11,679

actually pretty heartwarming like a

589

00:20:16,549 --> 00:20:14,240

visit from a past loved one or a

590

00:20:19,350 --> 00:20:16,559

peaceful near-death experience

591

00:20:22,470 --> 00:20:19,360

regardless these are true and

592

00:20:24,390 --> 00:20:22,480

fascinating stories told by ordinary

593

00:20:26,070 --> 00:20:24,400

people who've had extraordinary

594

00:20:28,710 --> 00:20:26,080

experiences

595

00:20:32,230 --> 00:20:28,720

tune in to jim harold's campfire on

596

00:20:34,630 --> 00:20:32,240

apple podcasts spotify or wherever you

597

00:20:35,830 --> 00:20:34,640

listen to somewhere in the skies and

598

00:20:40,070 --> 00:20:35,840

remember

599

00:20:44,950 --> 00:20:42,710

well sarah i know you have um limited

600

00:20:47,110 --> 00:20:44,960

time i'd love to ask you two listener

601  
00:20:50,789 --> 00:20:47,120  
questions right if you don't mind before

602  
00:20:56,590 --> 00:20:53,110  
oh gosh no that's what we love here no

603  
00:20:58,789 --> 00:20:56,600  
please um we had uh over on twitter um

604  
00:21:00,310 --> 00:20:58,799  
limburnertodd on twitter asked this kind

605  
00:21:02,390 --> 00:21:00,320  
of has to do with what you were just

606  
00:21:05,110 --> 00:21:02,400  
talking about what are your thoughts on

607  
00:21:07,110 --> 00:21:05,120  
if the energy release of the big bang

608  
00:21:08,870 --> 00:21:07,120  
was not the start of something but the

609  
00:21:10,549 --> 00:21:08,880  
end of something do you have any

610  
00:21:11,909 --> 00:21:10,559  
thoughts on that crunch so like almost

611  
00:21:13,430 --> 00:21:11,919  
like the bubble theory that you have a

612  
00:21:15,110 --> 00:21:13,440  
universe and there's a big crunch then

613  
00:21:17,590 --> 00:21:15,120

it forms another universe

614

00:21:19,350 --> 00:21:17,600

we we know so little so quantum

615

00:21:20,149 --> 00:21:19,360

mechanics is kind of like the limit of

616

00:21:21,750 --> 00:21:20,159

our

617

00:21:23,270 --> 00:21:21,760

understanding of physics and we know

618

00:21:25,669 --> 00:21:23,280

there's like the theory of physics

619

00:21:27,270 --> 00:21:25,679

beyond quantum so quantum you know

620

00:21:28,870 --> 00:21:27,280

classical mechanics explains why if i

621

00:21:30,549 --> 00:21:28,880

drop my cell phone it falls quantum

622

00:21:32,149 --> 00:21:30,559

mechanics explains

623

00:21:33,590 --> 00:21:32,159

the technology which is inside your cell

624

00:21:34,789 --> 00:21:33,600

phone but we don't quite understand it

625

00:21:36,710 --> 00:21:34,799

and we know there's four fundamental

626  
00:21:38,390 --> 00:21:36,720  
forces within the universe the weak the

627  
00:21:40,070 --> 00:21:38,400  
strong the electromagnetic and gravity

628  
00:21:42,230 --> 00:21:40,080  
and ironically gravity is the weakest

629  
00:21:44,470 --> 00:21:42,240  
force it is and we can't get what is

630  
00:21:45,510 --> 00:21:44,480  
known as a grand unified theory we can't

631  
00:21:47,590 --> 00:21:45,520  
unite

632  
00:21:49,430 --> 00:21:47,600  
those four forces with um our

633  
00:21:50,789 --> 00:21:49,440  
understanding of physics thus far with

634  
00:21:52,070 --> 00:21:50,799  
um classical mechanics and quantum

635  
00:21:54,870 --> 00:21:52,080  
mechanics so we know there's likely a

636  
00:21:56,230 --> 00:21:54,880  
theory of physics beyond quantum and we

637  
00:21:58,310 --> 00:21:56,240  
know quantum mechanics even though we

638  
00:21:59,990 --> 00:21:58,320

don't fully understand it has

639

00:22:02,549 --> 00:22:00,000

transformed technology so it's very

640

00:22:03,990 --> 00:22:02,559

exciting to me that's a theory

641

00:22:05,430 --> 00:22:04,000

beyond that so

642

00:22:07,430 --> 00:22:05,440

when it comes to the big bang when it

643

00:22:08,710 --> 00:22:07,440

comes to our existence there's almost an

644

00:22:09,830 --> 00:22:08,720

element of um

645

00:22:11,990 --> 00:22:09,840

faith might be the wrong word but

646

00:22:13,830 --> 00:22:12,000

there's an element of we can't explain

647

00:22:15,750 --> 00:22:13,840

everything just yet and that's that's

648

00:22:17,190 --> 00:22:15,760

exciting and it's terrifying and there

649

00:22:18,950 --> 00:22:17,200

is this possibility that there could

650

00:22:20,390 --> 00:22:18,960

have been a universe before you know our

651  
00:22:22,870 --> 00:22:20,400  
universe could be a child another

652  
00:22:24,630 --> 00:22:22,880  
universe we could be living in multiple

653  
00:22:26,710 --> 00:22:24,640  
universes and then the colliding you

654  
00:22:29,029 --> 00:22:26,720  
know touching of two universes then like

655  
00:22:30,710 --> 00:22:29,039  
creates another universe and you get

656  
00:22:32,950 --> 00:22:30,720  
into m theory string theory all this

657  
00:22:33,830 --> 00:22:32,960  
kind of mind-boggling stuff and

658  
00:22:38,870 --> 00:22:33,840  
we

659  
00:22:41,510 --> 00:22:38,880  
are in some smart kids school projects

660  
00:22:42,870 --> 00:22:41,520  
and we are just a computer simulation we

661  
00:22:44,070 --> 00:22:42,880  
know so little we don't know whether

662  
00:22:45,669 --> 00:22:44,080  
we're being watched we don't know

663  
00:22:47,190 --> 00:22:45,679

whether like if you were walking down

664

00:22:49,270 --> 00:22:47,200

the street and saw a colony of balance

665

00:22:50,950 --> 00:22:49,280

you likely wouldn't talk to them and

666

00:22:52,470 --> 00:22:50,960

it's the same there could be such more

667

00:22:54,149 --> 00:22:52,480

higher intelligence out there that they

668

00:22:56,230 --> 00:22:54,159

just know of us but don't care of us

669

00:22:58,070 --> 00:22:56,240

because we're just too dumb to them like

670

00:22:59,510 --> 00:22:58,080

you know there could be alien you know

671

00:23:00,870 --> 00:22:59,520

the motto for humans when looking for

672

00:23:02,630 --> 00:23:00,880

life else whereas follow the water

673

00:23:05,190 --> 00:23:02,640

because we know three key things for

674

00:23:07,270 --> 00:23:05,200

life is energy raw materials and water

675

00:23:08,549 --> 00:23:07,280

we have all three on earth you know

676

00:23:10,630 --> 00:23:08,559

there could be a species out there that

677

00:23:12,630 --> 00:23:10,640

is hunting for us because they need

678

00:23:14,789 --> 00:23:12,640

water or that they you know life formed

679

00:23:16,310 --> 00:23:14,799

in a similar way we we just don't know

680

00:23:17,990 --> 00:23:16,320

so they thought that um

681

00:23:19,590 --> 00:23:18,000

there was a big crunch and then another

682

00:23:22,149 --> 00:23:19,600

big bang

683

00:23:24,149 --> 00:23:22,159

it's a thought but we're that that's at

684

00:23:27,270 --> 00:23:24,159

the very limit of our understanding of

685

00:23:28,950 --> 00:23:27,280

universe and physics and it's exciting

686

00:23:31,350 --> 00:23:28,960

and it's terrifying and i think we think

687

00:23:32,950 --> 00:23:31,360

about it too much you we can't get our

688

00:23:34,870 --> 00:23:32,960

heads around it it's almost the curse of

689

00:23:37,029 --> 00:23:34,880

the human condition that we

690

00:23:38,549 --> 00:23:37,039

we want to know more we want to um

691

00:23:40,470 --> 00:23:38,559

understand what you know we have this

692

00:23:42,549 --> 00:23:40,480

urge to explore and to go over the next

693

00:23:44,470 --> 00:23:42,559

hill it's why we have all the benefits

694

00:23:46,390 --> 00:23:44,480

and almost the flaws that we do today

695

00:23:47,750 --> 00:23:46,400

because we question things we explore we

696

00:23:49,269 --> 00:23:47,760

you know humans are designed to go over

697

00:23:50,950 --> 00:23:49,279

the hill and explore we want to go to

698

00:23:53,029 --> 00:23:50,960

space to paraphrase kennedy because it

699

00:23:54,870 --> 00:23:53,039

is there and it's that next step for us

700

00:23:56,310 --> 00:23:54,880

we want to know why we exist we want to

701  
00:23:58,950 --> 00:23:56,320  
answer those fundamental questions and

702  
00:24:00,470 --> 00:23:58,960  
they they bring about technological um

703  
00:24:01,669 --> 00:24:00,480  
advances which benefit all of us on

704  
00:24:03,110 --> 00:24:01,679  
earth but it's

705  
00:24:04,710 --> 00:24:03,120  
it's a hypothesis the fact that there

706  
00:24:06,630 --> 00:24:04,720  
might be universe before our universe

707  
00:24:09,029 --> 00:24:06,640  
but we just don't know yet there could

708  
00:24:11,669 --> 00:24:09,039  
be multiple universes out there it's

709  
00:24:13,190 --> 00:24:11,679  
yeah it's crazy high-end physics of

710  
00:24:14,789 --> 00:24:13,200  
which no one yet has the answers and i

711  
00:24:16,230 --> 00:24:14,799  
think it's going to take a long long

712  
00:24:17,590 --> 00:24:16,240  
time perhaps we might never have the

713  
00:24:19,190 --> 00:24:17,600

answers perhaps

714

00:24:20,789 --> 00:24:19,200

that is something you leave to the realm

715

00:24:22,070 --> 00:24:20,799

of something beyond us that we can't yet

716

00:24:24,070 --> 00:24:22,080

understand

717

00:24:26,149 --> 00:24:24,080

exactly definitely makes you humble when

718

00:24:27,830 --> 00:24:26,159

you think of it that way our slogan is

719

00:24:29,269 --> 00:24:27,840

when i was a kid because i loved physics

720

00:24:30,549 --> 00:24:29,279

so much i would lie in bed and i'd be

721

00:24:32,070 --> 00:24:30,559

like do i want to be an astronaut or do

722

00:24:35,110 --> 00:24:32,080

i want to be a cosmologist and find out

723

00:24:39,430 --> 00:24:37,430

i know there's a very very fine line

724

00:24:42,630 --> 00:24:39,440

between the two but very different

725

00:24:44,549 --> 00:24:42,640

profound conclusions i love that um well

726

00:24:46,710 --> 00:24:44,559

you mentioned species my last listener

727

00:24:48,950 --> 00:24:46,720

question for you sarah um ufo

728

00:24:50,870 --> 00:24:48,960

realitycheck on twitter asks what do you

729

00:24:52,390 --> 00:24:50,880

think about the phosphine and ammonia

730

00:24:54,950 --> 00:24:52,400

findings on venus and what are your

731

00:24:57,269 --> 00:24:54,960

thoughts on the future of the james webb

732

00:24:59,190 --> 00:24:57,279

telescope so yeah is venus where we're

733

00:25:00,789 --> 00:24:59,200

gonna find life what do you think it's

734

00:25:02,310 --> 00:25:00,799

funny because i've heard the the

735

00:25:04,070 --> 00:25:02,320

hypothesis that potentially there could

736

00:25:06,390 --> 00:25:04,080

be life in the vents or clouds of venus

737

00:25:08,230 --> 00:25:06,400

for quite some while um i feel like that

738

00:25:09,590 --> 00:25:08,240

study came forward but it's a case of

739

00:25:11,110 --> 00:25:09,600

when someone comes up with an idea in

740

00:25:12,870 --> 00:25:11,120

science you don't just accept it you try

741

00:25:14,149 --> 00:25:12,880

and disprove it and then if you can't

742

00:25:16,549 --> 00:25:14,159

disprove it you're kind of left with

743

00:25:18,070 --> 00:25:16,559

okay the possibility so what i would say

744

00:25:20,549 --> 00:25:18,080

is the only sample of life we have is

745

00:25:22,870 --> 00:25:20,559

one it's life on earth but we know that

746

00:25:24,470 --> 00:25:22,880

life can exist in much more extreme

747

00:25:26,070 --> 00:25:24,480

environments on earth than we previously

748

00:25:27,590 --> 00:25:26,080

thought possible look at the marianas

749

00:25:29,430 --> 00:25:27,600

trench for example the depth of the

750

00:25:30,870 --> 00:25:29,440

ocean you and i would be crushed to

751

00:25:32,070 --> 00:25:30,880

death you know not forgetting the fact

752

00:25:33,909 --> 00:25:32,080

there's no way for us to breathe but say

753

00:25:35,190 --> 00:25:33,919

we get down there we'll be crushed to

754

00:25:37,350 --> 00:25:35,200

death and then you've got these

755

00:25:39,510 --> 00:25:37,360

alien-like fish you've got you know

756

00:25:41,110 --> 00:25:39,520

extremophiles extreme environments on

757

00:25:43,990 --> 00:25:41,120

earth where life

758

00:25:45,909 --> 00:25:44,000

wasn't meant to survive and it does so

759

00:25:48,549 --> 00:25:45,919

there's a lot more science a lot more

760

00:25:51,269 --> 00:25:48,559

research which needs to be done into the

761

00:25:53,269 --> 00:25:51,279

phosphine and venus but i i think

762

00:25:55,029 --> 00:25:53,279

you know it's full of surprises and

763

00:25:56,710 --> 00:25:55,039

saying hypothetically life was found to

764

00:25:58,630 --> 00:25:56,720

exist in a very simple form of venus and

765

00:25:59,990 --> 00:25:58,640

then we found microbial life on mars

766

00:26:01,269 --> 00:26:00,000

which wasn't related to life on earth

767

00:26:03,029 --> 00:26:01,279

because there's a hypothesis that

768

00:26:05,269 --> 00:26:03,039

actually during the early universe

769

00:26:07,350 --> 00:26:05,279

during the early solar system when earth

770

00:26:09,029 --> 00:26:07,360

when mars was much warmer and wetter

771

00:26:10,710 --> 00:26:09,039

life on earth was actually seeded by a

772

00:26:12,710 --> 00:26:10,720

meteorite from mars so we could be the

773

00:26:13,669 --> 00:26:12,720

martians we've been looking for but say

774

00:26:15,590 --> 00:26:13,679

there is

775

00:26:17,110 --> 00:26:15,600

life on mars simple microbial life or

776

00:26:18,230 --> 00:26:17,120

evidence in the past it's independent of

777

00:26:19,750 --> 00:26:18,240

life on earth

778

00:26:20,710 --> 00:26:19,760

say there is some very simple life of

779

00:26:22,710 --> 00:26:20,720

venus

780

00:26:23,510 --> 00:26:22,720

life on enceladus which is this a icy

781

00:26:26,070 --> 00:26:23,520

moon of

782

00:26:29,029 --> 00:26:26,080

of um saturn or europa which is icy moon

783

00:26:31,110 --> 00:26:29,039

of jupiter say there's um life on

784

00:26:32,549 --> 00:26:31,120

you know other moons titan for example

785

00:26:34,470 --> 00:26:32,559

which is the only moon in our solar

786

00:26:36,070 --> 00:26:34,480

system you know orbits around

787

00:26:38,470 --> 00:26:36,080

saturn but it's the only moon with an

788

00:26:40,630 --> 00:26:38,480

atmosphere so we find lots of places

789

00:26:42,710 --> 00:26:40,640

for life which is independent

790

00:26:44,230 --> 00:26:42,720

of life on earth

791

00:26:45,750 --> 00:26:44,240

it's our one average solar system you

792

00:26:47,269 --> 00:26:45,760

only have to do the math to wonder how

793

00:26:49,190 --> 00:26:47,279

much different life is out there and i

794

00:26:51,029 --> 00:26:49,200

think just because we've got one sample

795

00:26:53,269 --> 00:26:51,039

what we do know we are starting to

796

00:26:54,549 --> 00:26:53,279

conclude is that life can ex you know

797

00:26:55,990 --> 00:26:54,559

survive in much more extreme

798

00:26:57,750 --> 00:26:56,000

environments than we first thought it

799

00:27:00,070 --> 00:26:57,760

won't be life like you and i or the

800

00:27:02,230 --> 00:27:00,080

animal species we know but life

801  
00:27:04,630 --> 00:27:02,240  
can exist in different ways

802  
00:27:06,230 --> 00:27:04,640  
and then to the james webb and yeah oh

803  
00:27:07,830 --> 00:27:06,240  
my gosh i remember going to visit james

804  
00:27:09,909 --> 00:27:07,840  
webb and this picture on my instagram at

805  
00:27:12,630 --> 00:27:09,919  
sarahcrest tv and pictures on my my

806  
00:27:14,310 --> 00:27:12,640  
twitter as well at sarah credits and

807  
00:27:16,390 --> 00:27:14,320  
it's just incredible this is the you

808  
00:27:17,750 --> 00:27:16,400  
know the pinnacle of human

809  
00:27:18,950 --> 00:27:17,760  
engineering you know because i always

810  
00:27:20,070 --> 00:27:18,960  
like to say scientists dream it

811  
00:27:21,590 --> 00:27:20,080  
engineers are the ones who have to go

812  
00:27:23,669 --> 00:27:21,600  
out and do the hard work and make it and

813  
00:27:26,149 --> 00:27:23,679

this is this is just a you know and the

814

00:27:27,590 --> 00:27:26,159

hats off to ariane um ariane group

815

00:27:29,830 --> 00:27:27,600

already on spouse who successfully

816

00:27:31,430 --> 00:27:29,840

launched this rocket as well at this

817

00:27:32,070 --> 00:27:31,440

space telescope as well because that is

818

00:27:44,070 --> 00:27:32,080

a

819

00:27:45,830 --> 00:27:44,080

this is going to

820

00:27:48,070 --> 00:27:45,840

enable us to look back to see the first

821

00:27:49,909 --> 00:27:48,080

galaxies which better form this is going

822

00:27:51,430 --> 00:27:49,919

to help us discover more and more

823

00:27:53,110 --> 00:27:51,440

exoplanets and for those who might not

824

00:27:54,470 --> 00:27:53,120

know an extra planet stands for extra

825

00:27:56,230 --> 00:27:54,480

solar planets so it's a planet which

826  
00:27:57,269 --> 00:27:56,240  
exists around another star which isn't

827  
00:27:58,470 --> 00:27:57,279  
our sun

828  
00:28:00,789 --> 00:27:58,480  
and

829  
00:28:02,549 --> 00:28:00,799  
you know we yeah if you can imagine it

830  
00:28:04,549 --> 00:28:02,559  
it probably exists out there and all the

831  
00:28:06,470 --> 00:28:04,559  
things you can't imagine probably exist

832  
00:28:07,590 --> 00:28:06,480  
as well and it's just going to be i like

833  
00:28:09,190 --> 00:28:07,600  
to think of our understanding of the

834  
00:28:11,110 --> 00:28:09,200  
universe almost like a

835  
00:28:12,950 --> 00:28:11,120  
cosmic jigsaw puzzle and with each

836  
00:28:14,389 --> 00:28:12,960  
scientific mission each bit of evidence

837  
00:28:16,070 --> 00:28:14,399  
we're kind of getting another digital

838  
00:28:18,149 --> 00:28:16,080

puzzle piece to try and put that puzzle

839

00:28:19,430 --> 00:28:18,159

together to try and understand all the

840

00:28:20,789 --> 00:28:19,440

answers and of course we probably never

841

00:28:22,070 --> 00:28:20,799

had the answers because the more answers

842

00:28:23,350 --> 00:28:22,080

we get the more questions we're left

843

00:28:25,269 --> 00:28:23,360

with so

844

00:28:27,269 --> 00:28:25,279

james webb is going to give us a new

845

00:28:28,630 --> 00:28:27,279

window excuse upon on the universe it's

846

00:28:29,990 --> 00:28:28,640

going to give us a new understanding of

847

00:28:30,950 --> 00:28:30,000

what else is out there it's going to

848

00:28:32,710 --> 00:28:30,960

help us

849

00:28:34,789 --> 00:28:32,720

understand more about planets beyond our

850

00:28:36,470 --> 00:28:34,799

own solar system the possibility of life

851  
00:28:38,630 --> 00:28:36,480  
on these other planets you know by you

852  
00:28:40,950 --> 00:28:38,640  
know help us again because we're at the

853  
00:28:42,710 --> 00:28:40,960  
point now where we can not only detect

854  
00:28:44,149 --> 00:28:42,720  
planets in other solar systems but work

855  
00:28:46,230 --> 00:28:44,159  
out whether they could have the right

856  
00:28:48,789 --> 00:28:46,240  
conditions for life as we know it so

857  
00:28:49,669 --> 00:28:48,799  
it's it's another step forward and it's

858  
00:28:51,110 --> 00:28:49,679  
just

859  
00:28:52,630 --> 00:28:51,120  
you know we are living in the best time

860  
00:28:54,230 --> 00:28:52,640  
because we can't predict the future but

861  
00:28:55,830 --> 00:28:54,240  
we are living in the best time right now

862  
00:28:57,990 --> 00:28:55,840  
in terms of what else

863  
00:28:59,830 --> 00:28:58,000

could be out there what else it is that

864

00:29:01,510 --> 00:28:59,840

we're a part of and it is just such an

865

00:29:03,830 --> 00:29:01,520

exciting time and

866

00:29:04,870 --> 00:29:03,840

you know i think it's uh summer maybe

867

00:29:06,310 --> 00:29:04,880

slightly earlier than some of that we're

868

00:29:07,590 --> 00:29:06,320

gonna start getting the first images out

869

00:29:10,070 --> 00:29:07,600

and just like

870

00:29:12,070 --> 00:29:10,080

you know i can't wait it's like gonna be

871

00:29:13,430 --> 00:29:12,080

christmas all over again it really is

872

00:29:15,269 --> 00:29:13,440

just think about it

873

00:29:17,029 --> 00:29:15,279

it was only in the last century that we

874

00:29:19,190 --> 00:29:17,039

knew what we looked like that our own

875

00:29:20,470 --> 00:29:19,200

earth was like yeah you know

876

00:29:22,389 --> 00:29:20,480

a hundred you know say you were born in

877

00:29:23,909 --> 00:29:22,399

the year 1900 imagine what you saw in

878

00:29:25,830 --> 00:29:23,919

your lifetime that you know the wright

879

00:29:28,070 --> 00:29:25,840

brothers flying two world wars

880

00:29:29,990 --> 00:29:28,080

commercial aviation advances in medicine

881

00:29:33,110 --> 00:29:30,000

humans in space humans on the moon

882

00:29:34,470 --> 00:29:33,120

images of our earth as a planet rising

883

00:29:36,230 --> 00:29:34,480

in front of the moon earth rise you know

884

00:29:37,430 --> 00:29:36,240

which changed you know astronauts who

885

00:29:38,870 --> 00:29:37,440

went to the moon could literally stick

886

00:29:40,710 --> 00:29:38,880

out their thumb and cover all of

887

00:29:43,269 --> 00:29:40,720

humanity the entire history of our

888

00:29:44,710 --> 00:29:43,279

species with a human thumb you know

889

00:29:46,549 --> 00:29:44,720

and then the world we're in today of

890

00:29:47,909 --> 00:29:46,559

computing in cyberspace and you know i

891

00:29:49,909 --> 00:29:47,919

always like to joke we jumped into cyber

892

00:29:51,669 --> 00:29:49,919

space not outer space it's just

893

00:29:53,830 --> 00:29:51,679

it's incredible to think how far we've

894

00:29:55,669 --> 00:29:53,840

come and then you look at the great

895

00:29:56,950 --> 00:29:55,679

images hubble gave us and the fact that

896

00:29:58,470 --> 00:29:56,960

more people can travel to space my

897

00:30:02,470 --> 00:29:58,480

friend dylan taylor who went to space in

898

00:30:03,830 --> 00:30:02,480

december he was 602 of all the 100

899

00:30:05,510 --> 00:30:03,840

hundreds of millions of humans that have

900

00:30:08,149 --> 00:30:05,520

ever existed hundreds of billions of

901  
00:30:09,110 --> 00:30:08,159  
humans have ever existed he was 602. but

902  
00:30:10,230 --> 00:30:09,120  
we're going to meet more and more

903  
00:30:11,350 --> 00:30:10,240  
astronauts and we're going to meet more

904  
00:30:13,590 --> 00:30:11,360  
and more astronauts from different

905  
00:30:15,590 --> 00:30:13,600  
backgrounds i i sit on a board of um a

906  
00:30:17,830 --> 00:30:15,600  
non-profit called space humanity which

907  
00:30:19,029 --> 00:30:17,840  
is looking at funding

908  
00:30:20,149 --> 00:30:19,039  
flights to space for people from

909  
00:30:22,070 --> 00:30:20,159  
different backgrounds because if we're

910  
00:30:23,909 --> 00:30:22,080  
going to succeed in exploring space it

911  
00:30:25,350 --> 00:30:23,919  
needs to be about everyone it can't just

912  
00:30:26,789 --> 00:30:25,360  
be about the rich it can't just be about

913  
00:30:28,470 --> 00:30:26,799

certain nations it needs to be about

914

00:30:29,750 --> 00:30:28,480

everyone so we're going to see more

915

00:30:31,190 --> 00:30:29,760

astronauts minted we're going to see

916

00:30:33,430 --> 00:30:31,200

more people experiencing that we're

917

00:30:35,110 --> 00:30:33,440

going to see through james where more

918

00:30:37,830 --> 00:30:35,120

images of our solar system of our

919

00:30:38,630 --> 00:30:37,840

universe which we cannot yet imagine i

920

00:30:40,789 --> 00:30:38,640

mean

921

00:30:42,549 --> 00:30:40,799

and i talk a lot so i apologize but look

922

00:30:44,149 --> 00:30:42,559

at new horizons the mission to pluto we

923

00:30:45,510 --> 00:30:44,159

didn't really know what pluto looked

924

00:30:47,510 --> 00:30:45,520

like we thought it was this boring lump

925

00:30:49,430 --> 00:30:47,520

of rock which got downgraded to a dwarf

926  
00:30:51,029 --> 00:30:49,440  
planet although pluto doesn't care what

927  
00:30:52,149 --> 00:30:51,039  
we call it we didn't know what it looks

928  
00:30:54,549 --> 00:30:52,159  
like and now it's this world where

929  
00:30:57,190 --> 00:30:54,559  
volcanoes spew out ice instead of lava

930  
00:30:59,669 --> 00:30:57,200  
and it's just this incredible incredible

931  
00:31:01,830 --> 00:30:59,679  
world there is so much out there waiting

932  
00:31:02,789 --> 00:31:01,840  
to be discovered and people need to you

933  
00:31:04,230 --> 00:31:02,799  
know and i love what you're doing with

934  
00:31:05,990 --> 00:31:04,240  
somewhere in the skies and it's great

935  
00:31:07,509 --> 00:31:06,000  
people need to look up more and you know

936  
00:31:09,190 --> 00:31:07,519  
my latest sport was actually called look

937  
00:31:11,029 --> 00:31:09,200  
up our story with the stars and it had a

938  
00:31:12,870 --> 00:31:11,039

forward by michael collins who was the

939

00:31:15,110 --> 00:31:12,880

um it was last piece of work he did

940

00:31:17,669 --> 00:31:15,120

before he died actually he was the

941

00:31:19,269 --> 00:31:17,679

command module pilot for apollo 11 and

942

00:31:21,190 --> 00:31:19,279

and he talked about

943

00:31:22,630 --> 00:31:21,200

how humanity needs to be outward bound

944

00:31:24,630 --> 00:31:22,640

and continue to be outward bound yes we

945

00:31:25,990 --> 00:31:24,640

need to look back and protect earth but

946

00:31:28,149 --> 00:31:26,000

we need to keep moving forward we need

947

00:31:29,909 --> 00:31:28,159

to keep you know outward bound and

948

00:31:30,870 --> 00:31:29,919

that's what we do as a species and it's

949

00:31:33,269 --> 00:31:30,880

just

950

00:31:35,269 --> 00:31:33,279

it's a huge exciting time for the space

951  
00:31:37,269 --> 00:31:35,279  
community and i include

952  
00:31:38,549 --> 00:31:37,279  
ufology and the ufo community in that

953  
00:31:39,750 --> 00:31:38,559  
because it's all about searching for

954  
00:31:41,269 --> 00:31:39,760  
meaning and it's all about saying we

955  
00:31:42,630 --> 00:31:41,279  
can't see things that we we've seen

956  
00:31:44,549 --> 00:31:42,640  
things that we can't explain we don't

957  
00:31:45,830 --> 00:31:44,559  
have all the answers we are not that

958  
00:31:48,230 --> 00:31:45,840  
important to have all the answers and

959  
00:31:51,350 --> 00:31:48,240  
understand everything that is out there

960  
00:31:53,669 --> 00:31:51,360  
i love that yeah the you will ufo world

961  
00:31:55,590 --> 00:31:53,679  
is merging with the scientific world

962  
00:31:57,029 --> 00:31:55,600  
more than ever and that's what we're

963  
00:31:58,710 --> 00:31:57,039

striving for

964

00:31:59,830 --> 00:31:58,720

i mean and i'm sure you're aware like if

965

00:32:03,029 --> 00:31:59,840

you look at the chilean government

966

00:32:04,950 --> 00:32:03,039

they've taken uaps very seriously yeah

967

00:32:05,830 --> 00:32:04,960

a lot of countries have yeah

968

00:32:07,590 --> 00:32:05,840

because

969

00:32:09,190 --> 00:32:07,600

aid is a defense thing i know when i've

970

00:32:10,230 --> 00:32:09,200

um worked on nimitz and some of the

971

00:32:11,430 --> 00:32:10,240

people i've interviewed have been moved

972

00:32:13,269 --> 00:32:11,440

to tears and these are military

973

00:32:14,549 --> 00:32:13,279

personnel who are serving their country

974

00:32:16,070 --> 00:32:14,559

and we thank them for their service but

975

00:32:17,430 --> 00:32:16,080

if they're in tears because they feel

976

00:32:18,789 --> 00:32:17,440

like they can't defend their country

977

00:32:20,149 --> 00:32:18,799

because they're seeing things that they

978

00:32:21,590 --> 00:32:20,159

cannot explain

979

00:32:22,950 --> 00:32:21,600

we need to take that seriously and

980

00:32:24,870 --> 00:32:22,960

whether it is enemy technology or

981

00:32:26,470 --> 00:32:24,880

whether it's something

982

00:32:27,909 --> 00:32:26,480

not on this earth you just don't know

983

00:32:29,669 --> 00:32:27,919

yet but we need to take these sightings

984

00:32:32,870 --> 00:32:29,679

seriously it's great that and

985

00:32:35,509 --> 00:32:32,880

governments are adding that validity

986

00:32:37,029 --> 00:32:35,519

yep finally finally we're gonna maybe

987

00:32:38,870 --> 00:32:37,039

get some answers

988

00:32:41,029 --> 00:32:38,880

i'm loving it i am right in the way of

989

00:32:43,430 --> 00:32:41,039

sarah well last question for you before

990

00:32:45,590 --> 00:32:43,440

we go here um we only scratch the

991

00:32:47,830 --> 00:32:45,600

surface of what the show covers but what

992

00:32:50,230 --> 00:32:47,840

can we expect in the future of ufo

993

00:32:51,990 --> 00:32:50,240

conspiracies if you don't mind season a

994

00:32:53,350 --> 00:32:52,000

little bit before we go here and of

995

00:32:54,470 --> 00:32:53,360

course where can we find everything

996

00:32:56,230 --> 00:32:54,480

you're up to

997

00:32:58,470 --> 00:32:56,240

um you can find out everything i'm up to

998

00:33:00,710 --> 00:32:58,480

on my website sarahquinnis.com or on my

999

00:33:02,630 --> 00:33:00,720

twitter at sarah critics on my instagram

1000

00:33:03,990 --> 00:33:02,640

sarah products tv i apparently have a

1001  
00:33:04,630 --> 00:33:04,000  
facebook as well but i don't really use

1002  
00:33:06,230 --> 00:33:04,640  
it

1003  
00:33:07,750 --> 00:33:06,240  
so i'm not the best at social media but

1004  
00:33:09,029 --> 00:33:07,760  
um you know

1005  
00:33:10,470 --> 00:33:09,039  
teasing what's coming up in ufo

1006  
00:33:13,669 --> 00:33:10,480  
conspiracies with craig charles there is

1007  
00:33:16,310 --> 00:33:13,679  
so much and i i is this modern scholarly

1008  
00:33:18,230 --> 00:33:16,320  
dynamic and craig is definitely the uh

1009  
00:33:19,750 --> 00:33:18,240  
the fox mulder character i'm definitely

1010  
00:33:21,110 --> 00:33:19,760  
the danish scully character maybe i need

1011  
00:33:23,350 --> 00:33:21,120  
to like she was british as well but

1012  
00:33:24,630 --> 00:33:23,360  
maybe i need to redden up my hair a a

1013  
00:33:25,509 --> 00:33:24,640

little more

1014

00:33:28,950 --> 00:33:25,519

you know

1015

00:33:30,470 --> 00:33:28,960

it's this show there are cases where i'm

1016

00:33:32,630 --> 00:33:30,480

actually more on the believer side than

1017

00:33:35,350 --> 00:33:32,640

craig and when i say believer i say with

1018

00:33:38,149 --> 00:33:35,360

added scientific evidence we are

1019

00:33:40,230 --> 00:33:38,159

with scientists we are talking with seti

1020

00:33:42,710 --> 00:33:40,240

we are talking with military personnel

1021

00:33:46,470 --> 00:33:42,720

we are looking at everything from um the

1022

00:33:48,389 --> 00:33:46,480

phoenix lights to um nimitz to the you

1023

00:33:52,549 --> 00:33:48,399

know the island case with the the

1024

00:33:54,789 --> 00:33:52,559

aviation um incident you know the pilot

1025

00:33:56,630 --> 00:33:54,799

we're looking at global ufo sightings

1026  
00:33:58,070 --> 00:33:56,640  
this is not you know i live in america

1027  
00:34:00,070 --> 00:33:58,080  
i'm obviously british as you can tell by

1028  
00:34:02,230 --> 00:34:00,080  
my accent but i'm a very proud new

1029  
00:34:04,470 --> 00:34:02,240  
american and often a lot of the ufo

1030  
00:34:06,710 --> 00:34:04,480  
sightings are american and i think that

1031  
00:34:08,310 --> 00:34:06,720  
goes a lot back to the american culture

1032  
00:34:09,990 --> 00:34:08,320  
and the american um

1033  
00:34:12,470 --> 00:34:10,000  
you know ability i guess of americans to

1034  
00:34:14,550 --> 00:34:12,480  
question things more or this is a global

1035  
00:34:16,869 --> 00:34:14,560  
thing and we make this a global show so

1036  
00:34:18,950 --> 00:34:16,879  
we are looking at cases from around the

1037  
00:34:21,109 --> 00:34:18,960  
world and i think you can almost

1038  
00:34:22,629 --> 00:34:21,119

look at potentially patterns to see that

1039

00:34:24,069 --> 00:34:22,639

this is no longer something which is

1040

00:34:25,349 --> 00:34:24,079

about a niche community but this is

1041

00:34:27,190 --> 00:34:25,359

something that so many people have

1042

00:34:28,389 --> 00:34:27,200

experienced and so many people have the

1043

00:34:29,990 --> 00:34:28,399

right to

1044

00:34:32,230 --> 00:34:30,000

answers and even if those answers aren't

1045

00:34:33,909 --> 00:34:32,240

the answers they want we're trying to

1046

00:34:36,069 --> 00:34:33,919

get those answers and investigate as

1047

00:34:37,030 --> 00:34:36,079

many cases as possible with the most

1048

00:34:38,629 --> 00:34:37,040

thorough

1049

00:34:40,389 --> 00:34:38,639

up-to-date research and i should also

1050

00:34:43,109 --> 00:34:40,399

shout out to all the production team at

1051

00:34:44,550 --> 00:34:43,119

five films and to a e networks as well

1052

00:34:46,629 --> 00:34:44,560

because there's a huge amount of

1053

00:34:49,109 --> 00:34:46,639

research which goes on behind the scenes

1054

00:34:51,109 --> 00:34:49,119

of people spending months and months

1055

00:34:53,510 --> 00:34:51,119

researching these cases and to the best

1056

00:34:55,669 --> 00:34:53,520

of their ability and trying to find the

1057

00:34:57,510 --> 00:34:55,679

best most unexplained cases that are out

1058

00:34:59,030 --> 00:34:57,520

there and i i just think

1059

00:35:00,710 --> 00:34:59,040

keep watching this is a show for the ufo

1060

00:35:02,630 --> 00:35:00,720

community but it's also

1061

00:35:04,150 --> 00:35:02,640

for people who just looked up you know

1062

00:35:06,470 --> 00:35:04,160

and we've all looked up people with that

1063

00:35:07,829 --> 00:35:06,480

curiosity that wonderlust who

1064

00:35:09,670 --> 00:35:07,839

know that we can't explain everything

1065

00:35:12,230 --> 00:35:09,680

because you know

1066

00:35:14,069 --> 00:35:12,240

if we're to succeed in finding answers

1067

00:35:15,430 --> 00:35:14,079

this needs to be about everyone it can't

1068

00:35:16,950 --> 00:35:15,440

just be about a niche group of people it

1069

00:35:19,190 --> 00:35:16,960

can't just be about a niche community so

1070

00:35:21,510 --> 00:35:19,200

this is a both a mainstream show and a

1071

00:35:23,589 --> 00:35:21,520

show which will keep the ufo enthusiasts

1072

00:35:25,190 --> 00:35:23,599

and excited and

1073

00:35:26,550 --> 00:35:25,200

and actually ufo enthusiasts is the

1074

00:35:27,829 --> 00:35:26,560

wrong word because i think if you've

1075

00:35:30,150 --> 00:35:27,839

experienced something that you cannot

1076

00:35:31,589 --> 00:35:30,160

explain that's more than enthusiasm

1077

00:35:32,630 --> 00:35:31,599

that's about someone like yourself

1078

00:35:34,390 --> 00:35:32,640

included

1079

00:35:36,150 --> 00:35:34,400

who has had an experience that you want

1080

00:35:38,150 --> 00:35:36,160

answers for and

1081

00:35:40,069 --> 00:35:38,160

it would be

1082

00:35:41,190 --> 00:35:40,079

myopic and short-sighted to believe that

1083

00:35:43,270 --> 00:35:41,200

we're the only thing out there in the

1084

00:35:45,190 --> 00:35:43,280

university is just we can't prove it

1085

00:35:48,550 --> 00:35:45,200

just yet and say conclusively would

1086

00:35:50,710 --> 00:35:48,560

almost be faith and not science but

1087

00:35:53,109 --> 00:35:50,720

this is the century and just as the last

1088

00:35:54,710 --> 00:35:53,119

century so much changed so much is going

1089

00:35:56,310 --> 00:35:54,720

to change in this century and this show

1090

00:35:58,470 --> 00:35:56,320

is

1091

00:36:00,230 --> 00:35:58,480

the most up-to-date investigation into

1092

00:36:02,870 --> 00:36:00,240

some of the biggest and some of the most

1093

00:36:04,790 --> 00:36:02,880

unknown ufo sightings which have ever

1094

00:36:06,870 --> 00:36:04,800

happened and when we apply science to it

1095

00:36:07,990 --> 00:36:06,880

i'm not afraid to say no i feel like

1096

00:36:09,910 --> 00:36:08,000

craig would want to say yes to

1097

00:36:12,550 --> 00:36:09,920

everything but there are stuff on this

1098

00:36:13,829 --> 00:36:12,560

show which um even i can't explain and

1099

00:36:15,750 --> 00:36:13,839

then that's why

1100

00:36:17,750 --> 00:36:15,760

you keep watching

1101  
00:36:20,630 --> 00:36:17,760  
yep that's all we want is to hear a

1102  
00:36:23,510 --> 00:36:20,640  
skeptic say i don't know that's that's

1103  
00:36:24,550 --> 00:36:23,520  
all we want sir

1104  
00:36:25,910 --> 00:36:24,560  
exactly

1105  
00:36:27,910 --> 00:36:25,920  
we need to get rid of the skeptics and

1106  
00:36:29,990 --> 00:36:27,920  
believers because it's about evidence

1107  
00:36:31,349 --> 00:36:30,000  
and a skeptic isn't someone who says all

1108  
00:36:32,310 --> 00:36:31,359  
aliens don't exist because i actually

1109  
00:36:33,589 --> 00:36:32,320  
think

1110  
00:36:35,109 --> 00:36:33,599  
as you know a lot of us know

1111  
00:36:36,790 --> 00:36:35,119  
mathematically and scientifically that

1112  
00:36:39,270 --> 00:36:36,800  
the likelihood of us being alone is very

1113  
00:36:41,109 --> 00:36:39,280

slim but it's more um

1114

00:36:42,630 --> 00:36:41,119

it's about looking for evidence and it's

1115

00:36:44,470 --> 00:36:42,640

more about saying you know some people

1116

00:36:46,310 --> 00:36:44,480

say i've seen something that i can't

1117

00:36:47,510 --> 00:36:46,320

explain and then people saying i

1118

00:36:49,190 --> 00:36:47,520

understand you can't explain that but we

1119

00:36:51,190 --> 00:36:49,200

need more evidence and i think this

1120

00:36:52,470 --> 00:36:51,200

whole pitching two sides against each

1121

00:36:54,630 --> 00:36:52,480

other which we're seeing in the world

1122

00:36:55,910 --> 00:36:54,640

right now politically and socially we

1123

00:36:57,109 --> 00:36:55,920

need to stop doing that and we need to

1124

00:36:58,630 --> 00:36:57,119

find that middle ground and realize

1125

00:37:00,310 --> 00:36:58,640

there is stuff out there that cannot yet

1126

00:37:02,630 --> 00:37:00,320

be explained

1127

00:37:04,310 --> 00:37:02,640

exactly and ufos are going to bring the

1128

00:37:06,790 --> 00:37:04,320

world together

1129

00:37:08,630 --> 00:37:06,800

i am you were very gracious with your

1130

00:37:10,790 --> 00:37:08,640

time um i have to thank you for coming

1131

00:37:12,950 --> 00:37:10,800

on i can't wait to see what else you and

1132

00:37:16,790 --> 00:37:12,960

craig got going on again it's ufo

1133

00:37:18,950 --> 00:37:16,800

conspiracies on uh sky history in the uk

1134

00:37:21,589 --> 00:37:18,960

tuesdays at 9 00 pm hopefully we'll get

1135

00:37:23,829 --> 00:37:21,599

it here in the states um not soon after

1136

00:37:26,230 --> 00:37:23,839

that but um i want to wish you the best

1137

00:37:28,950 --> 00:37:26,240

of luck on your your press jacket for

1138

00:37:31,190 --> 00:37:28,960

this it's a great show i really really

1139

00:37:33,349 --> 00:37:31,200

dig it and um i love what you guys are

1140

00:37:35,270 --> 00:37:33,359

doing so sarah once again thank you for

1141

00:37:45,100 --> 00:37:35,280

coming on somewhere in the skies thank