



BRAD

Math

vs.

**Conspiracy
Theories**

1
00:00:07,880 --> 00:00:04,789
welcome to tales from the rabbit hole

2
00:00:10,459 --> 00:00:07,890
I'm your host Mick West my guest today

3
00:00:13,339 --> 00:00:10,469
is Brad the electronics engineer and

4
00:00:15,650 --> 00:00:13,349
expert in mathematics Brad likes to keep

5
00:00:18,650 --> 00:00:15,660
an open mind about any new idea or new

6
00:00:21,320 --> 00:00:18,660
claim that he encounters let's let him

7
00:00:22,880 --> 00:00:21,330
to give a bit more credence than most

8
00:00:24,740 --> 00:00:22,890
people would do to the Flat Earth

9
00:00:26,390 --> 00:00:24,750
conspiracy theory but his math

10
00:00:28,640 --> 00:00:26,400
background allowed him very quickly to

11
00:00:30,439 --> 00:00:28,650
figure out that it was false we talked

12
00:00:32,330 --> 00:00:30,449
about how a strong grounding in math and

13
00:00:33,880 --> 00:00:32,340

science can help people get out of the

14

00:00:41,150 --> 00:00:33,890

rabbit hole as quickly as possible

15

00:00:45,260 --> 00:00:43,040

yeah we're glad to have you here you're

16

00:00:47,959 --> 00:00:45,270

another person on the podcast who I met

17

00:00:49,639 --> 00:00:47,969

the meta Bank where you posted on better

18

00:00:51,799 --> 00:00:49,649

Bank and you you posted a few very

19

00:00:54,139 --> 00:00:51,809

interesting posts about your your

20

00:00:56,180 --> 00:00:54,149

history with various kind of conspiracy

21

00:00:59,330 --> 00:00:56,190

theories like Flat Earth tell us a bit

22

00:01:01,189 --> 00:00:59,340

about before you got into that one thing

23

00:01:04,520 --> 00:01:01,199

you mentioned was that you watched the

24

00:01:06,859 --> 00:01:04,530

movie zeitgeist yeah way back when I was

25

00:01:10,070 --> 00:01:06,869

a teenager I think I watched that and

26

00:01:12,109 --> 00:01:10,080

had a lot of information about

27

00:01:14,480 --> 00:01:12,119

corruption and how 9/11 was an inside

28

00:01:16,640 --> 00:01:14,490

job and I kind of didn't have a lot of

29

00:01:18,050 --> 00:01:16,650

meaning in my life so that will be kind

30

00:01:19,580 --> 00:01:18,060

of just gave me meaning I don't really

31

00:01:21,770 --> 00:01:19,590

remember what the meaning was anymore

32

00:01:24,800 --> 00:01:21,780

but it gave me some sort of a kind of

33

00:01:26,690 --> 00:01:24,810

purpose or goal and like I guess you

34

00:01:28,670 --> 00:01:26,700

know how old you have been like like 15

35

00:01:30,620 --> 00:01:28,680

or 16 something like that yeah something

36

00:01:32,660 --> 00:01:30,630

like that yes yeah sorry it's an

37

00:01:35,330 --> 00:01:32,670

interesting movie zeitgeist so it's a

38

00:01:37,069 --> 00:01:35,340

blend of 9/11 conspiracy theories and

39

00:01:39,140 --> 00:01:37,079

the monetary stuff and then there's a

40

00:01:41,510 --> 00:01:39,150

bunch of strange religious stuff as well

41

00:01:43,819 --> 00:01:41,520

we religious at the time when you when

42

00:01:45,800 --> 00:01:43,829

you saw that I mean I went to church I

43

00:01:47,450 --> 00:01:45,810

wasn't religious as I remember I was a

44

00:01:48,950 --> 00:01:47,460

kid when I went to church I didn't

45

00:01:49,850 --> 00:01:48,960

really get anything other but I didn't

46

00:01:51,800 --> 00:01:49,860

even know what the numbers on the

47

00:01:56,510 --> 00:01:51,810

walnuts I realized later those Rivia

48

00:01:58,789 --> 00:01:56,520

the pages are the verses that I think a

49

00:02:00,200 --> 00:01:58,799

lot of people who you know people have

50

00:02:02,660 --> 00:02:00,210

religious backgrounds like that and then

51
00:02:04,940 --> 00:02:02,670
they get into other things in a way kind

52
00:02:08,809 --> 00:02:04,950
of replacing their religion like I know

53
00:02:10,130 --> 00:02:08,819
when I was in my late teens I was kind

54
00:02:12,199 --> 00:02:10,140
of searching for meaning and I was like

55
00:02:12,890 --> 00:02:12,209
going to associate books stores and

56
00:02:14,270 --> 00:02:12,900
things like that

57
00:02:16,339 --> 00:02:14,280
thinking oh maybe I'll become a Sun

58
00:02:18,140 --> 00:02:16,349
worshipper or something just just

59
00:02:19,699 --> 00:02:18,150
because it would be kind of a fun thing

60
00:02:22,640 --> 00:02:19,709
to do not because I believe that the Sun

61
00:02:24,080 --> 00:02:22,650
was a God or anything but it's just

62
00:02:26,000 --> 00:02:24,090
consider something attractive I think

63
00:02:27,470 --> 00:02:26,010

about believing in something I kind of

64

00:02:28,759 --> 00:02:27,480

didn't have any really meaning at all I

65

00:02:30,080 --> 00:02:28,769

just kind of went to church I was like

66

00:02:32,869 --> 00:02:30,090

what am I gonna do I'm just gonna have

67

00:02:34,339 --> 00:02:32,879

to go to church get married as a family

68

00:02:37,630 --> 00:02:34,349

mmm

69

00:02:43,250 --> 00:02:37,640

works some more and raise a kid than die

70

00:02:45,770 --> 00:02:43,260

well yeah yeah but I needed something

71

00:02:48,380 --> 00:02:45,780

else so you know you watch like guys as

72

00:02:49,970 --> 00:02:48,390

a teenager and that kind of like he

73

00:02:52,190 --> 00:02:49,980

didn't really get into it though

74

00:02:53,869 --> 00:02:52,200

no I just kind of smoked me on a

75

00:02:55,400 --> 00:02:53,879

subconscious level I guess I don't

76
00:02:56,720 --> 00:02:55,410
remember any of the details really I'm

77
00:03:00,289 --> 00:02:56,730
like I was thinking I'm like watch it

78
00:03:02,420 --> 00:03:00,299
before we did this podcast but I

79
00:03:03,860 --> 00:03:02,430
couldn't find the time so after after

80
00:03:05,539 --> 00:03:03,870
zeitgeist what would be the liking your

81
00:03:07,729 --> 00:03:05,549
first brush with this kind of like

82
00:03:10,220 --> 00:03:07,739
esoteric beliefs like this like Flat

83
00:03:11,119 --> 00:03:10,230
Earth and things like that well I say

84
00:03:12,890 --> 00:03:11,129
what

85
00:03:14,479 --> 00:03:12,900
like I said opened my mind to different

86
00:03:16,520 --> 00:03:14,489
ways of thinking and then obviously I

87
00:03:18,620 --> 00:03:16,530
went to university I studied for an

88
00:03:21,020 --> 00:03:18,630

electrical engineering degree and I

89

00:03:22,550 --> 00:03:21,030

guess when I guess you probably had the

90

00:03:24,110 --> 00:03:22,560

experience to of like being an

91

00:03:25,909 --> 00:03:24,120

undergraduate and then your mind just

92

00:03:28,129 --> 00:03:25,919

opens to this whole world of

93

00:03:30,650 --> 00:03:28,139

possibilities in a good way

94

00:03:34,250 --> 00:03:30,660

yeah in Manchester I went college and

95

00:03:36,890 --> 00:03:34,260

studied computer science computation

96

00:03:38,509 --> 00:03:36,900

they called it back then and yeah it was

97

00:03:40,490 --> 00:03:38,519

you know it's a completely different

98

00:03:42,470 --> 00:03:40,500

world when you go to college like I grew

99

00:03:43,970 --> 00:03:42,480

up I grew up in a smallish town and all

100

00:03:45,259 --> 00:03:43,980

of a sudden a big city surrounded by

101
00:03:47,539 --> 00:03:45,269
loads of people and lots of clever

102
00:03:49,460 --> 00:03:47,549
people so it's it can be quite

103
00:03:52,189 --> 00:03:49,470
mind-altering going to college oh yeah

104
00:03:53,780 --> 00:03:52,199
for sure it's hard to explain that's a

105
00:03:56,180 --> 00:03:53,790
flat earth tell us about your first

106
00:03:57,559 --> 00:03:56,190
experience with black data well the

107
00:03:59,360 --> 00:03:57,569
first experience with that was I just

108
00:04:01,909 --> 00:03:59,370
kind of met the guy online who was

109
00:04:03,470 --> 00:04:01,919
extremely confident and then I tried to

110
00:04:04,909 --> 00:04:03,480
like those like I got to talk mud at

111
00:04:06,710 --> 00:04:04,919
this you know I just oh and I searched

112
00:04:08,360 --> 00:04:06,720
just to find someone who was the

113
00:04:10,759 --> 00:04:08,370

fighters believer just to kind of talk

114

00:04:12,680 --> 00:04:10,769

them out of it and I couldn't and

115

00:04:14,270 --> 00:04:12,690

actually they won we had like a little

116

00:04:17,240 --> 00:04:14,280

one-on-one debate he actually sort of

117

00:04:17,719 --> 00:04:17,250

won the debate and I thought that can't

118

00:04:19,729 --> 00:04:17,729

happen

119

00:04:23,839 --> 00:04:19,739

if the earth was round likes surely all

120

00:04:26,690 --> 00:04:23,849

people are open to the facts and yeah so

121

00:04:29,780 --> 00:04:26,700

he you won the debate with this guy and

122

00:04:32,330 --> 00:04:29,790

debating with you yeah yeah so did you

123

00:04:34,310 --> 00:04:32,340

think he didn't stops to try to figure

124

00:04:36,680 --> 00:04:34,320

out what went wrong in the debate yeah I

125

00:04:38,060 --> 00:04:36,690

was wondering like how was I like I knew

126
00:04:39,860 --> 00:04:38,070
because I thought I knew the earth was

127
00:04:44,840 --> 00:04:39,870
round that seemed pictures from space

128
00:04:47,270 --> 00:04:44,850
and the abused GPS and seeing the moon I

129
00:04:48,380 --> 00:04:47,280
mean I watched Apollo 17 or got was

130
00:04:51,410 --> 00:04:48,390
really interesting they have like this

131
00:04:53,330 --> 00:04:51,420
whole chronological exposition of the

132
00:04:56,330 --> 00:04:53,340
entire all 17 mission so I mean like

133
00:04:57,800 --> 00:04:56,340
that can all be wrong so I was thinking

134
00:04:59,450 --> 00:04:57,810
like okay how was this guy more

135
00:05:01,610 --> 00:04:59,460
confident than me right that test was

136
00:05:04,250 --> 00:05:01,620
yeah do you remember the arguments that

137
00:05:06,110 --> 00:05:04,260
he is for the time uh yeah it was

138
00:05:07,820 --> 00:05:06,120

something like he showed me that the the

139

00:05:09,680 --> 00:05:07,830

first photo from space or something

140

00:05:11,120 --> 00:05:09,690

where you can't really see the kerbin

141

00:05:12,950 --> 00:05:11,130

horizon because it wasn't taken from

142

00:05:14,510 --> 00:05:12,960

very high and then yeah he said that's

143

00:05:15,560 --> 00:05:14,520

the last photo they took from space

144

00:05:17,480 --> 00:05:15,570

everything after that it's just

145

00:05:19,610 --> 00:05:17,490

Hollywood CGI and it's like well how do

146

00:05:21,020 --> 00:05:19,620

you counter that I suppose like if you

147

00:05:22,690 --> 00:05:21,030

simply claim that everything is faked

148

00:05:26,540 --> 00:05:22,700

and it's kind of a hard thing to

149

00:05:29,090 --> 00:05:26,550

disprove that it isn't so how did you

150

00:05:31,340 --> 00:05:29,100

set about like trying to convince

151
00:05:32,870 --> 00:05:31,350
yourself that the earth wasn't flat yeah

152
00:05:34,340 --> 00:05:32,880
well I had to I had to do some sort of

153
00:05:35,810 --> 00:05:34,350
experiment like I had to do something

154
00:05:37,760 --> 00:05:35,820
that the Greeks did something like that

155
00:05:39,410 --> 00:05:37,770
like the Eratosthenes but that's a bit

156
00:05:41,450 --> 00:05:39,420
of a pain because you got to find two

157
00:05:44,660 --> 00:05:41,460
different latitudes you gotta really use

158
00:05:46,250 --> 00:05:44,670
a lot of information or a large distance

159
00:05:48,200 --> 00:05:46,260
that they measured that was out of the

160
00:05:50,540 --> 00:05:48,210
question so again and I think you know

161
00:05:54,380 --> 00:05:50,550
the simple experiment was like first as

162
00:05:56,480 --> 00:05:54,390
a ball actually maybe although here we

163
00:05:58,040 --> 00:05:56,490

go yet all right so you've got a big

164

00:06:01,190 --> 00:05:58,050

spreadsheet with is this a spreadsheet

165

00:06:02,840 --> 00:06:01,200

you made yeah this is basically just the

166

00:06:04,250 --> 00:06:02,850

same thing as your curve calculator but

167

00:06:05,810 --> 00:06:04,260

I had to do it myself just to make sure

168

00:06:08,060 --> 00:06:05,820

that's real mistakes because you have a

169

00:06:10,160 --> 00:06:08,070

you have a math background so you would

170

00:06:13,160 --> 00:06:10,170

you would understand all of the the

171

00:06:14,540 --> 00:06:13,170

equations needed for figuring out the I

172

00:06:16,160 --> 00:06:14,550

think that's one of the big problems

173

00:06:17,420 --> 00:06:16,170

with with Flat Earth people is a lot of

174

00:06:19,400 --> 00:06:17,430

them don't have a very good math

175

00:06:23,000 --> 00:06:19,410

background and so trying to explain

176

00:06:24,670 --> 00:06:23,010

things to them you kind of yeah it's an

177

00:06:28,010 --> 00:06:24,680

insurmountable hurdle in some ways

178

00:06:30,110 --> 00:06:28,020

because you don't actually explain math

179

00:06:32,420 --> 00:06:30,120

to people who don't understand math yeah

180

00:06:35,180 --> 00:06:32,430

I remember being in grade 12 and asked

181

00:06:36,590 --> 00:06:35,190

me teach like what is sine of X I mean I

182

00:06:38,360 --> 00:06:36,600

know it is now it's just like brain you

183

00:06:40,190 --> 00:06:38,370

just calculate the ratio of the opposite

184

00:06:41,630 --> 00:06:40,200

over the hypotenuse but

185

00:06:43,550 --> 00:06:41,640

then it was very difficult for me to

186

00:06:46,100 --> 00:06:43,560

understand - and I sports it took a

187

00:06:47,480 --> 00:06:46,110

while - yeah I think it's good to kind

188

00:06:49,550 --> 00:06:47,490

of think back to when you didn't

189

00:06:51,590 --> 00:06:49,560

understand things there's lots of things

190

00:06:54,230 --> 00:06:51,600

with computer programming ie I did not

191

00:06:57,170 --> 00:06:54,240

understand like I remember once somebody

192

00:06:59,900 --> 00:06:57,180

asked me when I was like 15 or so what's

193

00:07:02,330 --> 00:06:59,910

the hardest thing in programming that

194

00:07:04,940 --> 00:07:02,340

you know of and at that time I said

195

00:07:06,770 --> 00:07:04,950

arrays which is one of the simplest

196

00:07:08,300 --> 00:07:06,780

things possible in programming when

197

00:07:10,880 --> 00:07:08,310

you're an actual programmer is this is

198

00:07:13,430 --> 00:07:10,890

trivial thing in in programming but back

199

00:07:15,980 --> 00:07:13,440

then it seemed like is bizarre strange

200

00:07:18,470 --> 00:07:15,990

way of doing variables where you have

201

00:07:21,410 --> 00:07:18,480

lots of different instances at the same

202

00:07:23,750 --> 00:07:21,420

variable what does this all mean yeah

203

00:07:26,060 --> 00:07:23,760

it's fascinating to like you should

204

00:07:29,300 --> 00:07:26,070

remember when you didn't understand

205

00:07:30,740 --> 00:07:29,310

anything and I think it's really useful

206

00:07:33,170 --> 00:07:30,750

if you try to apply that to other people

207

00:07:35,450 --> 00:07:33,180

as well they don't they've got no idea

208

00:07:38,780 --> 00:07:35,460

things that you think are really simple

209

00:07:40,760 --> 00:07:38,790

they just don't know anyway back to you

210

00:07:42,320 --> 00:07:40,770

were you a dick you do some math you do

211

00:07:44,870 --> 00:07:42,330

your spreadsheet and you got a curve

212

00:07:46,250 --> 00:07:44,880

calculator where you can figure out how

213

00:07:47,480 --> 00:07:46,260

much of things should be hidden in the

214

00:07:50,450 --> 00:07:47,490

distance and then did you go and

215

00:07:52,340 --> 00:07:50,460

actually do some observations yeah I was

216

00:07:54,470 --> 00:07:52,350

very lucky that I had like a stretch of

217

00:07:56,930 --> 00:07:54,480

island that I do a lot of videos around

218

00:07:58,550 --> 00:07:56,940

the weebles channel so throw that name

219

00:08:00,440 --> 00:07:58,560

up through now but yet that's just all

220

00:08:02,300 --> 00:08:00,450

the observations is basically all I did

221

00:08:04,850 --> 00:08:02,310

is just there's a stretch of ocean

222

00:08:07,820 --> 00:08:04,860

that's like sixteen six kilometers to

223

00:08:09,320 --> 00:08:07,830

back to Island from the beach and then

224

00:08:11,600 --> 00:08:09,330

there's this big bluff right next to it

225

00:08:13,550 --> 00:08:11,610

they can just climb up so that's perfect

226

00:08:17,570 --> 00:08:13,560

for yeah that sounds ideal

227

00:08:19,970 --> 00:08:17,580

yeah if earth were flat then you would

228

00:08:21,620 --> 00:08:19,980

see the island from the beach so it's

229

00:08:23,720 --> 00:08:21,630

the perfect opportunity to contradict

230

00:08:26,030 --> 00:08:23,730

the globe model and as well as drive

231

00:08:27,860 --> 00:08:26,040

down the road I was like I really hope I

232

00:08:29,690 --> 00:08:27,870

see that Island right I really hope I

233

00:08:31,550 --> 00:08:29,700

don't I don't see that Island from the

234

00:08:35,240 --> 00:08:31,560

beach because if I if I see that from

235

00:08:36,680 --> 00:08:35,250

the beach that's gonna be hell you would

236

00:08:38,030 --> 00:08:36,690

just like debunking that you are

237

00:08:39,409 --> 00:08:38,040

actually investigating for yourself

238

00:08:41,120 --> 00:08:39,419

you're trying to figure out yourself

239

00:08:44,089 --> 00:08:41,130

whether there might be something to this

240

00:08:45,800 --> 00:08:44,099

plot sort of thing yeah just I didn't

241

00:08:47,780 --> 00:08:45,810

know what the earth was at that point I

242

00:08:49,460 --> 00:08:47,790

had a moment of looking around us like

243

00:08:50,930 --> 00:08:49,470

maybe the earth this planet I mean it

244

00:08:53,480 --> 00:08:50,940

looks flat I don't give you emotional I

245

00:08:55,519 --> 00:08:53,490

don't see her future yeah it does

246

00:08:57,110 --> 00:08:55,529

that and I think that's what gets a lot

247

00:08:58,400 --> 00:08:57,120

of people and way I say a lot of people

248

00:08:59,630 --> 00:08:58,410

I don't know really that many people who

249

00:09:02,900 --> 00:08:59,640

believe in the Flat Earth it's one of

250

00:09:04,400 --> 00:09:02,910

the the least well believed conspiracy

251

00:09:06,500 --> 00:09:04,410

theories out there if you look at the

252

00:09:08,139 --> 00:09:06,510

the surveys they do it's always right at

253

00:09:09,800 --> 00:09:08,149

the bottom down there with

254

00:09:11,930 --> 00:09:09,810

shape-shifting aliens in fact

255

00:09:13,490 --> 00:09:11,940

shape-shifting aliens actually get quite

256

00:09:15,949 --> 00:09:13,500

a bit more belief depending on which

257

00:09:18,079 --> 00:09:15,959

version you ask but yeah a lot of people

258

00:09:21,079 --> 00:09:18,089

they get into it because they it looks

259

00:09:23,060 --> 00:09:21,089

flat because it's a big it's you know

260

00:09:25,820 --> 00:09:23,070

you look out especially over the ocean

261

00:09:31,060 --> 00:09:25,830

in this huge flat looking thing with

262

00:09:34,610 --> 00:09:33,290

described by descent in the rabbit holes

263

00:09:36,470 --> 00:09:34,620

like it's kind of like it was like a

264

00:09:37,820 --> 00:09:36,480

slip and slide down the rabbit hole was

265

00:09:38,900 --> 00:09:37,830

a trampoline waiting for me at the

266

00:09:40,430 --> 00:09:38,910

bottom which was my background

267

00:09:42,500 --> 00:09:40,440

mathematics will just bounce me right

268

00:09:45,190 --> 00:09:42,510

back up

269

00:09:48,320 --> 00:09:45,200

let's go ahead putting it so you had a

270

00:09:51,019 --> 00:09:48,330

not a parachute but you say a trampoline

271

00:09:52,310 --> 00:09:51,029

at the bottom because it's almost like I

272

00:09:53,750 --> 00:09:52,320

don't know like you got some kind of

273

00:09:55,250 --> 00:09:53,760

antimatter or something that when it

274

00:09:56,780 --> 00:09:55,260

touches this stuff which is completely

275

00:10:00,380 --> 00:09:56,790

impossible you know how to figure stuff

276

00:10:02,930 --> 00:10:00,390

out and because you do he would just be

277

00:10:04,190 --> 00:10:02,940

repelled from it because you you you

278

00:10:06,230 --> 00:10:04,200

know that it's false because you can do

279

00:10:09,470 --> 00:10:06,240

the math whereas a lot of people cannot

280

00:10:11,120 --> 00:10:09,480

do the math and so they stay stuck down

281

00:10:12,769 --> 00:10:11,130

the rabbit hole and they were not

282

00:10:15,260 --> 00:10:12,779

fortunate to have a trampoline waiting

283

00:10:16,639 --> 00:10:15,270

for them so did you did you take this

284

00:10:20,180 --> 00:10:16,649

knowledge and kind of go back and try

285

00:10:22,160 --> 00:10:20,190

and convince people I tried to yeah like

286

00:10:24,620 --> 00:10:22,170

I kind of participated on the like in

287

00:10:26,870 --> 00:10:24,630

the YouTube Flat Earth community and I

288

00:10:28,460 --> 00:10:26,880

think when I enter the chatroom is kind

289

00:10:30,110 --> 00:10:28,470

of they get a kick out of New York it's

290

00:10:32,210 --> 00:10:30,120

like my name's like Wiggles it's a silly

291

00:10:35,180 --> 00:10:32,220

name and they all kind of think I'm kind

292

00:10:37,250 --> 00:10:35,190

of stupid and dumb which kind of makes

293

00:10:40,639 --> 00:10:37,260

them less afraid of me which I think

294

00:10:42,980 --> 00:10:40,649

it's a good tactic it's good but then

295

00:10:44,840 --> 00:10:42,990

you roll out this these mathematical

296

00:10:47,870 --> 00:10:44,850

explanations how do they react to those

297

00:10:49,850 --> 00:10:47,880

well they the one that sticks up my mind

298

00:10:51,560 --> 00:10:49,860

is they just say like math and equations

299

00:10:52,850 --> 00:10:51,570

are just numbers on a page which don't

300

00:10:55,790 --> 00:10:52,860

prove anything you got to go and

301
00:10:57,319 --> 00:10:55,800
actually prove it what I mean if I'm

302
00:10:58,400 --> 00:10:57,329
going to communicate results I'm not

303
00:11:00,440 --> 00:10:58,410
going to use English I'm gonna use

304
00:11:02,150 --> 00:11:00,450
mathematics because mathematics is the

305
00:11:05,090 --> 00:11:02,160
better language here I think something

306
00:11:06,550 --> 00:11:05,100
that they mean there is that they want

307
00:11:08,319 --> 00:11:06,560
you to actually go and

308
00:11:10,689 --> 00:11:08,329
measure the distance with like a tape

309
00:11:13,749 --> 00:11:10,699
measure from the beach to the island

310
00:11:15,790 --> 00:11:13,759
which is it's kind of they demand these

311
00:11:17,319 --> 00:11:15,800
direct measurements when you're doing

312
00:11:20,920 --> 00:11:17,329
the essentially direct measurements by

313
00:11:22,660 --> 00:11:20,930

doing line of sight but it's it's you

314

00:11:24,280 --> 00:11:22,670

can't actually do the measurements that

315

00:11:26,079 --> 00:11:24,290

they require so it's like a get out of

316

00:11:28,090 --> 00:11:26,089

jail free card for that thing they say

317

00:11:29,499 --> 00:11:28,100

well unless you actually measure the

318

00:11:30,999 --> 00:11:29,509

distance to the island how far how do

319

00:11:33,160 --> 00:11:31,009

you know how far away it is and if you

320

00:11:34,540 --> 00:11:33,170

not actually check the line of sight to

321

00:11:37,090 --> 00:11:34,550

see if it's straight how do you hear it

322

00:11:38,410 --> 00:11:37,100

straight yeah I think they are kind of a

323

00:11:39,999 --> 00:11:38,420

little bit past that now because I'm

324

00:11:41,829 --> 00:11:40,009

trying to do the observations in a way

325

00:11:43,269 --> 00:11:41,839

that like when I'm showing the videos

326

00:11:44,920 --> 00:11:43,279

are recorded I'm trying to do it in a

327

00:11:47,019 --> 00:11:44,930

way that like theirs feels to their

328

00:11:48,970 --> 00:11:47,029

senses I'm just like that thing is far

329

00:11:50,499 --> 00:11:48,980

away here's the beach here's my feet

330

00:11:51,850 --> 00:11:50,509

next to the water there's a hell up

331

00:11:54,009 --> 00:11:51,860

there I'm going to go up there so I I

332

00:11:55,150 --> 00:11:54,019

don't I don't even really need to do any

333

00:11:57,670 --> 00:11:55,160

measurements but again I had to convince

334

00:11:59,799 --> 00:11:57,680

myself that the earth was not flat which

335

00:12:01,269 --> 00:11:59,809

is not hard to do it all relates and

336

00:12:02,530 --> 00:12:01,279

then but then I got to do the

337

00:12:06,400 --> 00:12:02,540

measurements in such a way that they

338

00:12:07,660 --> 00:12:06,410

will leave my senses so so I think

339

00:12:09,850 --> 00:12:07,670

they're kind of passed the point that

340

00:12:13,150 --> 00:12:09,860

like cuz he can move like that guy ranty

341

00:12:15,129 --> 00:12:13,160

yeah he's a flat earther and he he

342

00:12:17,110 --> 00:12:15,139

actually made a video but one of my

343

00:12:19,420 --> 00:12:17,120

videos but basically he agreed with me

344

00:12:21,100 --> 00:12:19,430

that when I went I up like would CD disc

345

00:12:22,809 --> 00:12:21,110

now and when I went low down I couldn't

346

00:12:25,480 --> 00:12:22,819

see the distant island so I mean he

347

00:12:26,679 --> 00:12:25,490

agrees like that but he still thinks you

348

00:12:29,490 --> 00:12:26,689

have this plus anything there's some

349

00:12:32,040 --> 00:12:29,500

kind of reason why this happens which

350

00:12:34,480 --> 00:12:32,050

it's it's actually quite hard to

351
00:12:35,980 --> 00:12:34,490
understand what's going on in their head

352
00:12:38,079 --> 00:12:35,990
when they think these things are

353
00:12:41,799 --> 00:12:38,089
explainable they see a distant island

354
00:12:43,780 --> 00:12:41,809
half of it is below the horizon and they

355
00:12:45,819 --> 00:12:43,790
think that somehow is consistent with

356
00:12:47,590 --> 00:12:45,829
with a flat earth how do you explain

357
00:12:49,809 --> 00:12:47,600
that to people how do you get through to

358
00:12:51,610 --> 00:12:49,819
them well I think I'm more empathetic

359
00:12:53,919 --> 00:12:51,620
because I was a flat earther for one day

360
00:12:55,720 --> 00:12:53,929
the on the drive down to the beach house

361
00:13:00,129 --> 00:12:55,730
a flat or if they're on the drive back I

362
00:13:01,569 --> 00:13:00,139
was back in reality the way I to be

363
00:13:03,519 --> 00:13:01,579

empathetic with them this like I think

364

00:13:05,980 --> 00:13:03,529

they had it's like actually I was

365

00:13:07,960 --> 00:13:05,990

recovering from a flu a last couple days

366

00:13:12,100 --> 00:13:07,970

and I'm thinking like well when you get

367

00:13:15,309 --> 00:13:12,110

sick your body kind of like your immune

368

00:13:17,860 --> 00:13:15,319

system revs up and if your disease has

369

00:13:19,630 --> 00:13:17,870

to pass so it's the same thing with this

370

00:13:20,980 --> 00:13:19,640

kind of fighters we phone the state

371

00:13:22,660 --> 00:13:20,990

stab in the dark here well it's like

372

00:13:23,770 --> 00:13:22,670

their fighters believe it has to pass in

373

00:13:25,810 --> 00:13:23,780

a certain way they have certain

374

00:13:26,830 --> 00:13:25,820

questions they need answers to and if

375

00:13:28,720 --> 00:13:26,840

they don't get questions to those

376

00:13:30,370 --> 00:13:28,730

answers you're not gonna erode their

377

00:13:32,230 --> 00:13:30,380

fighters beliefs maybe it does that

378

00:13:34,840 --> 00:13:32,240

makes sense yeah no it's kind of like

379

00:13:37,180 --> 00:13:34,850

they've got to actually you've got to

380

00:13:39,190 --> 00:13:37,190

actually get past certain things there's

381

00:13:40,690 --> 00:13:39,200

a set of things that you wouldn't be

382

00:13:41,860 --> 00:13:40,700

able to persuade them with one thing

383

00:13:44,890 --> 00:13:41,870

because they always had these other

384

00:13:47,080 --> 00:13:44,900

questions like if you if you explained

385

00:13:49,360 --> 00:13:47,090

that the horizon obscures it obscures

386

00:13:52,060 --> 00:13:49,370

mountains then they were last but water

387

00:13:55,000 --> 00:13:52,070

always finds its own level so it should

388

00:13:57,160 --> 00:13:55,010

be flat and then you know an explanation

389

00:13:58,720 --> 00:13:57,170

for that and then they'll have some

390

00:14:00,910 --> 00:13:58,730

other thing yeah I don't know what the

391

00:14:02,470 --> 00:14:00,920

standard flutter things that go to

392

00:14:05,590 --> 00:14:02,480

things are there's no real pictures from

393

00:14:07,300 --> 00:14:05,600

space don't make that claim yeah based

394

00:14:08,500 --> 00:14:07,310

on nothing other than other flutter of

395

00:14:09,520 --> 00:14:08,510

people telling them there's no real

396

00:14:11,290 --> 00:14:09,530

picture from space

397

00:14:14,650 --> 00:14:11,300

I think now in the community right now

398

00:14:16,990 --> 00:14:14,660

July 26 2019 I think the atmosphere

399

00:14:18,520 --> 00:14:17,000

acting like a mirror like that post I

400

00:14:19,930 --> 00:14:18,530

made on medical cuz I just put that

401
00:14:21,840 --> 00:14:19,940
there just because that's what a lot of

402
00:14:24,900 --> 00:14:21,850
them seem to be using as a rebuttal to

403
00:14:29,800 --> 00:14:24,910
the globe now it seems to be the one

404
00:14:32,500 --> 00:14:29,810
contradictory claim I guess yeah

405
00:14:34,360 --> 00:14:32,510
it's I think a lot of what happens is

406
00:14:35,920 --> 00:14:34,370
they kind of they reach for something

407
00:14:37,600 --> 00:14:35,930
that will explain one little thing and

408
00:14:40,030 --> 00:14:37,610
then they try to shoehorn that into

409
00:14:42,460 --> 00:14:40,040
explaining everything sometimes you can

410
00:14:44,800 --> 00:14:42,470
see a reflection of something in the

411
00:14:46,330 --> 00:14:44,810
distance because they're like these heat

412
00:14:48,310 --> 00:14:46,340
reflections that you see in a hot road

413
00:14:50,140 --> 00:14:48,320

you see nose over the ocean sometimes

414

00:14:52,390 --> 00:14:50,150

and so they think oh that must be what's

415

00:14:53,890 --> 00:14:52,400

causing everything and then they say

416

00:14:55,570 --> 00:14:53,900

well the atmosphere is acting like a

417

00:14:57,220 --> 00:14:55,580

mirror and then they say well that

418

00:14:58,960 --> 00:14:57,230

explains everything but of course it

419

00:15:00,940 --> 00:14:58,970

doesn't it just explains one tiny little

420

00:15:03,940 --> 00:15:00,950

thing in one particular location they

421

00:15:05,890 --> 00:15:03,950

won't particular situation and if you in

422

00:15:07,720 --> 00:15:05,900

spand it out to other things like you

423

00:15:09,880 --> 00:15:07,730

know why is it making ten thousand feet

424

00:15:11,650 --> 00:15:09,890

of this mountain disappear it just

425

00:15:13,090 --> 00:15:11,660

doesn't work I mean they we gotta give

426

00:15:16,720 --> 00:15:13,100

them an A for effort but you gotta give

427

00:15:21,790 --> 00:15:16,730

them an F for failure yeah they

428

00:15:26,350 --> 00:15:21,800

certainly do so yeah you you posted that

429

00:15:27,760 --> 00:15:26,360

you were kind of vulnerable to these

430

00:15:29,470 --> 00:15:27,770

types of ideas you want to talk about

431

00:15:30,190 --> 00:15:29,480

that like what your kind of state of

432

00:15:33,310 --> 00:15:30,200

mind was

433

00:15:36,910 --> 00:15:33,320

and you know how it made you more open

434

00:15:38,710 --> 00:15:36,920

to these types of things yeah I don't

435

00:15:40,300 --> 00:15:38,720

even really understand myself to be

436

00:15:42,340 --> 00:15:40,310

honest I just know that I'm open to

437

00:15:45,100 --> 00:15:42,350

ideas if I hear an idea that makes any

438

00:15:46,380 --> 00:15:45,110

sort of sense like if it like I have my

439

00:15:48,700 --> 00:15:46,390

like beliefs

440

00:15:51,280 --> 00:15:48,710

everyone has their beliefs that get them

441

00:15:52,660 --> 00:15:51,290

through the day and then because he

442

00:15:55,180 --> 00:15:52,670

needs certain beliefs to repel

443

00:15:57,550 --> 00:15:55,190

information but I try to get this rid of

444

00:15:59,380 --> 00:15:57,560

many of my beliefs or actions as I can

445

00:16:01,930 --> 00:15:59,390

the only ones I really hold around or

446

00:16:04,840 --> 00:16:01,940

get sorello Fraenkel set theory axioms

447

00:16:06,790 --> 00:16:04,850

was like first five of those I'm really

448

00:16:08,230 --> 00:16:06,800

intimately familiar with and the rest of

449

00:16:09,730 --> 00:16:08,240

them do not really there's no one

450

00:16:14,820 --> 00:16:09,740

decrees on a number no one even knows

451

00:16:18,060 --> 00:16:14,830

what they are what does it it's like I

452

00:16:21,490 --> 00:16:18,070

know it's just like in the nineteen

453

00:16:23,650 --> 00:16:21,500

hundreds that was a big time for

454

00:16:26,680 --> 00:16:23,660

mathematics because the analysts order

455

00:16:28,090 --> 00:16:26,690

rely like like math was falling apart

456

00:16:32,950 --> 00:16:28,100

right the foundations of mathematics

457

00:16:35,100 --> 00:16:32,960

were in tatters like there was just they

458

00:16:38,770 --> 00:16:35,110

needed some rigorous axiomatization of

459

00:16:40,870 --> 00:16:38,780

mathematics or they had nothing so they

460

00:16:42,610 --> 00:16:40,880

struggled and they struggled and because

461

00:16:44,830 --> 00:16:42,620

like Cantor came up with like there are

462

00:16:46,570 --> 00:16:44,840

multiple sizes of infinity and like

463

00:16:47,710 --> 00:16:46,580

people like God oh my cancer and well

464

00:16:50,640 --> 00:16:47,720

that's not true there's only one

465

00:16:54,070 --> 00:16:50,650

infinity but there's an infinite

466

00:16:55,990 --> 00:16:54,080

cardinalities of infinities which I mean

467

00:16:58,240 --> 00:16:56,000

what I mean like number one is bigger

468

00:17:00,520 --> 00:16:58,250

than two right like one is are one thing

469

00:17:02,800 --> 00:17:00,530

this is two things but then if you have

470

00:17:05,920 --> 00:17:02,810

infinite lists of things there's also we

471

00:17:07,449 --> 00:17:05,930

can count like Aleph not a loved one L

472

00:17:13,110 --> 00:17:07,459

of two out of three those are your

473

00:17:16,060 --> 00:17:13,120

increasing curve Nelly's yeah infinity

474

00:17:21,280 --> 00:17:16,070

yeah it's really hard to convince this

475

00:17:22,689 --> 00:17:21,290

in a way that's that's my problem

476
00:17:26,290 --> 00:17:22,699
a condition made in the Flat Earth those

477
00:17:28,210 --> 00:17:26,300
like starting to ooze out yeah and to

478
00:17:30,250 --> 00:17:28,220
finally answer your question why am i

479
00:17:31,750 --> 00:17:30,260
bowl to the fighters things I said I had

480
00:17:31,990 --> 00:17:31,760
a few beliefs that get me through the

481
00:17:34,180 --> 00:17:32,000
day

482
00:17:36,370 --> 00:17:34,190
right I'm trying to minimize those

483
00:17:39,670 --> 00:17:36,380
because beliefs are bad but you need a

484
00:17:41,470 --> 00:17:39,680
few but but if something if a piece of

485
00:17:43,500 --> 00:17:41,480
information comes in that is not

486
00:17:46,260 --> 00:17:43,510
contradicted by my belief system

487
00:17:49,250 --> 00:17:46,270
by my system of theorems created by my

488
00:17:51,840 --> 00:17:49,260

axioms which is to excuse logical terms

489

00:17:54,270 --> 00:17:51,850

if something is not contradicted by that

490

00:17:55,620 --> 00:17:54,280

well I have to either accept that as an

491

00:17:58,230 --> 00:17:55,630

axiom where I got to integrate that in

492

00:18:01,140 --> 00:17:58,240

some way and so if if any information

493

00:18:03,570 --> 00:18:01,150

out there doesn't contradict what I

494

00:18:06,980 --> 00:18:03,580

believe and I accept it until I can

495

00:18:09,960 --> 00:18:06,990

disprove it hmm interesting

496

00:18:16,500 --> 00:18:09,970

so if I told you I was a robot with that

497

00:18:18,210 --> 00:18:16,510

contradict any beliefs I mean I've seen

498

00:18:21,900 --> 00:18:18,220

lots of evidence of you acting what your

499

00:18:24,210 --> 00:18:21,910

humans very good very good I'll be over

500

00:18:27,090 --> 00:18:24,220

over human perhaps yeah you passed the

501

00:18:30,360 --> 00:18:27,100

Turing test well I took that question

502

00:18:31,920 --> 00:18:30,370

seriously because that's not a lot of

503

00:18:34,650 --> 00:18:31,930

flat earthers they they have this very

504

00:18:36,300 --> 00:18:34,660

fundamental philosophy in a way and that

505

00:18:39,920 --> 00:18:36,310

they don't believe anything unless it's

506

00:18:43,590 --> 00:18:39,930

been shown to be true to them personally

507

00:18:45,420 --> 00:18:43,600

and and you kind of you know in a way

508

00:18:47,160 --> 00:18:45,430

like saying you don't disbelieve things

509

00:18:49,350 --> 00:18:47,170

unless you you have some evidence that

510

00:18:52,260 --> 00:18:49,360

they're not true but I mean those things

511

00:18:54,600 --> 00:18:52,270

that are pretty ridiculous like like the

512

00:18:56,640 --> 00:18:54,610

idea that all the birds were killed in

513

00:19:00,920 --> 00:18:56,650

the 1950s and replaced by robot birds

514

00:19:03,420 --> 00:19:00,930

which is spying on us which is this joke

515

00:19:04,880 --> 00:19:03,430

conspiracy theory that's out there now

516

00:19:06,900 --> 00:19:04,890

you wouldn't really need any

517

00:19:08,970 --> 00:19:06,910

investigation to dismiss that or would

518

00:19:11,700 --> 00:19:08,980

you would you actually accept that it

519

00:19:13,590 --> 00:19:11,710

might be true before you did a work well

520

00:19:15,390 --> 00:19:13,600

initially I I never heard that until now

521

00:19:18,300 --> 00:19:15,400

so I accept it for the moment and then I

522

00:19:19,920 --> 00:19:18,310

try to see if I can contradict it using

523

00:19:22,470 --> 00:19:19,930

logic because I mean I got I did

524

00:19:26,090 --> 00:19:22,480

University logic I got a 98 in that and

525

00:19:28,560 --> 00:19:26,100

that means I failed in my mind but yeah

526

00:19:29,820 --> 00:19:28,570

just a logistics of that don't make

527

00:19:31,170 --> 00:19:29,830

sense are you gonna kill every bird

528

00:19:34,560 --> 00:19:31,180

right like some of them might be hiding

529

00:19:37,080 --> 00:19:34,570

I can avoid yeah that's gonna happen

530

00:19:37,800 --> 00:19:37,090

start breeding yeah there's obvious

531

00:19:40,080 --> 00:19:37,810

problems with it

532

00:19:42,240 --> 00:19:40,090

but yeah it's an interesting kind of way

533

00:19:43,650 --> 00:19:42,250

of thinking about it is that you accept

534

00:19:45,120 --> 00:19:43,660

that things might be true straight away

535

00:19:47,970 --> 00:19:45,130

and then you then you try to find

536

00:19:52,140 --> 00:19:47,980

problems with it and you know I think

537

00:19:54,510 --> 00:19:52,150

are you kind of you kind of can work but

538

00:19:55,529 --> 00:19:54,520

I think the problem is if you are not

539

00:19:57,200 --> 00:19:55,539

very good at finding

540

00:19:59,909 --> 00:19:57,210

problems if you're not very analytical

541

00:20:01,259 --> 00:19:59,919

then you accept things that's true and

542

00:20:03,659 --> 00:20:01,269

then you're you're just simply not able

543

00:20:05,070 --> 00:20:03,669

to figure out why it's not true and then

544

00:20:06,659 --> 00:20:05,080

you just continue to accept that it's

545

00:20:08,969 --> 00:20:06,669

true like a flutter of thing people

546

00:20:11,129 --> 00:20:08,979

think well what if what if the earth is

547

00:20:15,090 --> 00:20:11,139

flat let me try to debunk it and then he

548

00:20:16,799 --> 00:20:15,100

can't yeah that's what a lot of them say

549

00:20:18,330 --> 00:20:16,809

and say like I tried like I had the

550

00:20:20,430 --> 00:20:18,340

various stages of being a flat earth or

551

00:20:21,930 --> 00:20:20,440

I mean like yeah so stage one is you

552

00:20:24,149 --> 00:20:21,940

hear about platters and you think it's

553

00:20:25,680 --> 00:20:24,159

stupid to it you doubt something your

554

00:20:27,060 --> 00:20:25,690

teachers your government NASA's hold you

555

00:20:28,710 --> 00:20:27,070

and wonder if the flat earthers around

556

00:20:31,919 --> 00:20:28,720

something three you actually research

557

00:20:32,969 --> 00:20:31,929

flatterers as so you watch some YouTube

558

00:20:35,909 --> 00:20:32,979

videos that are arrested to call

559

00:20:36,989 --> 00:20:35,919

research mm-hmm then you finish throwing

560

00:20:38,879 --> 00:20:36,999

out everything you were taught in school

561

00:20:41,129 --> 00:20:38,889

and you finally read and then Stage five

562

00:20:43,649 --> 00:20:41,139

is you realize the earth isn't always

563

00:20:46,560 --> 00:20:43,659

well as flat so what that comes from was

564

00:20:49,109 --> 00:20:46,570

that was a failure for them to debunk it

565

00:20:51,029 --> 00:20:49,119

they just didn't have the tools needed

566

00:20:53,249 --> 00:20:51,039

to debunk the claim that earth is flat

567

00:20:55,320 --> 00:20:53,259

so they stayed down in the rabbit hole I

568

00:20:56,820 --> 00:20:55,330

would have stayed there too I think most

569

00:20:58,849 --> 00:20:56,830

people that most people don't actually

570

00:21:01,379 --> 00:20:58,859

have the ability to debunk Flat Earth

571

00:21:04,680 --> 00:21:01,389

but most people actually don't question

572

00:21:08,399 --> 00:21:04,690

their standard model either so you get

573

00:21:10,139 --> 00:21:08,409

usual I think if everybody suddenly had

574

00:21:13,409 --> 00:21:10,149

the mindset that we had to check

575

00:21:15,690 --> 00:21:13,419

everything for ourselves then you'd get

576

00:21:18,149 --> 00:21:15,700

millions of people believing all kinds

577

00:21:21,299 --> 00:21:18,159

of things just because they don't have

578

00:21:24,149 --> 00:21:21,309

the ability to figure things out yeah so

579

00:21:26,159 --> 00:21:24,159

I kind of when I was a math tutor in the

580

00:21:30,289 --> 00:21:26,169

university math Center I made this kind

581

00:21:32,519 --> 00:21:30,299

of joke about we do a sanity test

582

00:21:34,259 --> 00:21:32,529

because like a sanity test is the

583

00:21:35,820 --> 00:21:34,269

logical fallacy but like you know if you

584

00:21:38,489 --> 00:21:35,830

have to make a statement if you have a

585

00:21:41,129 --> 00:21:38,499

universe like a programming you have a

586

00:21:43,080 --> 00:21:41,139

arrange say and you have to verify that

587

00:21:45,599 --> 00:21:43,090

a statement is true for every element in

588

00:21:49,049 --> 00:21:45,609

the array then you have to test every

589

00:21:50,759 --> 00:21:49,059

single element in the array now sanity

590

00:21:52,919 --> 00:21:50,769

check means you just test the first

591

00:21:56,869 --> 00:21:52,929

couple maybe one in the middle hand and

592

00:22:00,810 --> 00:21:56,879

then if you asked say it's true for all

593

00:22:03,690 --> 00:22:00,820

it's a sanity test yeah I think this

594

00:22:04,710 --> 00:22:03,700

leads to an interesting point there's a

595

00:22:06,810 --> 00:22:04,720

lot of people when they talk about

596

00:22:08,519 --> 00:22:06,820

debunking the critical thinking and

597

00:22:09,360 --> 00:22:08,529

things like that they say that people

598

00:22:11,460 --> 00:22:09,370

need to be taught

599

00:22:12,960 --> 00:22:11,470

have to do maths and how to understand

600

00:22:14,730 --> 00:22:12,970

science and this is something you said

601
00:22:18,000 --> 00:22:14,740
yourself that people should you know

602
00:22:20,100 --> 00:22:18,010
learn things like Ohm's law which you

603
00:22:22,740 --> 00:22:20,110
know it's great if that was possibility

604
00:22:25,080 --> 00:22:22,750
I think realistically a lot of people

605
00:22:26,370 --> 00:22:25,090
are not going to be able to do that and

606
00:22:27,810 --> 00:22:26,380
they certainly from where they are now

607
00:22:30,630 --> 00:22:27,820
they're not going to be able to get to

608
00:22:32,640 --> 00:22:30,640
an understanding of things like you know

609
00:22:34,410 --> 00:22:32,650
electrical resistance and even simple

610
00:22:37,890 --> 00:22:34,420
algebra and things like that and you

611
00:22:39,350 --> 00:22:37,900
know so if so the question is like is

612
00:22:41,790 --> 00:22:39,360
the answer

613
00:22:43,620 --> 00:22:41,800

teaching people how to do critical

614

00:22:46,700 --> 00:22:43,630

thinking and how to do math and how to

615

00:22:49,980 --> 00:22:46,710

do science or is it teaching them how to

616

00:22:52,169 --> 00:22:49,990

evaluate near the science that's out

617

00:22:55,320 --> 00:22:52,179

there how to determine what what a

618

00:22:57,090 --> 00:22:55,330

reliable sources and what science is

619

00:22:58,710 --> 00:22:57,100

good science happy need how can you

620

00:23:00,090 --> 00:22:58,720

teach someone to determine what science

621

00:23:03,299 --> 00:23:00,100

is good science without actually

622

00:23:05,070 --> 00:23:03,309

teaching them science yeah I think I

623

00:23:06,660 --> 00:23:05,080

think they got to do both of it they got

624

00:23:07,980 --> 00:23:06,670

to learn how to do science themselves

625

00:23:10,140 --> 00:23:07,990

and they got to learn how to evaluate

626

00:23:12,419 --> 00:23:10,150

what's already out there that's just the

627

00:23:14,940 --> 00:23:12,429

way and we live in a sea of information

628

00:23:17,280 --> 00:23:14,950

so and then you strategies for dealing

629

00:23:19,410 --> 00:23:17,290

with this mass these big data we live in

630

00:23:21,840 --> 00:23:19,420

right now I think a problem though is

631

00:23:24,960 --> 00:23:21,850

that most science isn't really useful

632

00:23:26,510 --> 00:23:24,970

for most people in their desires useless

633

00:23:28,890 --> 00:23:26,520

yes

634

00:23:32,549 --> 00:23:28,900

algebra yeah some people some jobs she

635

00:23:34,110 --> 00:23:32,559

is algebra yeah it's just if simple

636

00:23:35,700 --> 00:23:34,120

things like construction that sometimes

637

00:23:36,750 --> 00:23:35,710

use simple algebraic things but

638

00:23:38,010 --> 00:23:36,760

sometimes people get to work in

639

00:23:39,960 --> 00:23:38,020

construction and they're working things

640

00:23:41,640 --> 00:23:39,970

out but they have these strange rules of

641

00:23:43,500 --> 00:23:41,650

thumb that they use but you know most

642

00:23:45,360 --> 00:23:43,510

people they do their science at school

643

00:23:46,710 --> 00:23:45,370

they do biology and physics and

644

00:23:49,560 --> 00:23:46,720

chemistry to a certain degree

645

00:23:53,070 --> 00:23:49,570

and then they forget most of it because

646

00:23:55,440 --> 00:23:53,080

most of it isn't really relevant and you

647

00:23:58,320 --> 00:23:55,450

can it be great if everybody knew

648

00:24:01,140 --> 00:23:58,330

science to be able to evaluate things

649

00:24:02,760 --> 00:24:01,150

but no they can't Richard Fineman had a

650

00:24:04,169 --> 00:24:02,770

quote on that he said like something

651
00:24:05,669 --> 00:24:04,179
about if you you got to get kids

652
00:24:07,169 --> 00:24:05,679
interested in science early because by

653
00:24:09,840 --> 00:24:07,179
the time they get the university it is

654
00:24:13,470 --> 00:24:09,850
too late they have lost their curiosity

655
00:24:14,850 --> 00:24:13,480
yeah that's very true so then what do we

656
00:24:17,580 --> 00:24:14,860
do now like we've got all these people

657
00:24:20,640 --> 00:24:17,590
who are you know they're older than

658
00:24:21,720 --> 00:24:20,650
teenagers millions of them and they

659
00:24:26,580 --> 00:24:21,730
don't know

660
00:24:30,419 --> 00:24:26,590
very much math and they're having doubts

661
00:24:35,039 --> 00:24:30,429
about things like like 9/11 or flat

662
00:24:38,149 --> 00:24:35,049
earth or chemtrails we can't take some

663
00:24:48,000 --> 00:24:38,159

time so I can't we yeah that's a tough

664

00:24:50,639 --> 00:24:48,010

question that myself I guess first the

665

00:24:52,200 --> 00:24:50,649

gut reaction to that is like people

666

00:24:53,639 --> 00:24:52,210

gotta take a slice of humble pie they

667

00:24:55,830 --> 00:24:53,649

gotta admit these kids there's kids out

668

00:24:58,529 --> 00:24:55,840

there smarter than them and they gotta

669

00:25:00,960 --> 00:24:58,539

just maybe go back to high school and

670

00:25:02,310 --> 00:25:00,970

sit with the kids or or go to Khan

671

00:25:04,470 --> 00:25:02,320

Academy where you don't have to

672

00:25:07,320 --> 00:25:04,480

embarrass yourself by relearning Causton

673

00:25:08,759 --> 00:25:07,330

yeah yeah I think perhaps if if you if

674

00:25:11,970 --> 00:25:08,769

people are actually getting into these

675

00:25:14,279 --> 00:25:11,980

conspiracy theories then yeah there's

676

00:25:16,200 --> 00:25:14,289

kind of a reason for them to do the work

677

00:25:17,549 --> 00:25:16,210

it really should be you know the things

678

00:25:19,950 --> 00:25:17,559

behind these things you know the

679

00:25:21,629 --> 00:25:19,960

everyday people if they don't want to do

680

00:25:23,159 --> 00:25:21,639

it then there's really you know there's

681

00:25:25,379 --> 00:25:23,169

no harm I think in not doing science

682

00:25:27,120 --> 00:25:25,389

yeah I kind of feel bad saying that

683

00:25:29,399 --> 00:25:27,130

though because I would really like

684

00:25:31,799 --> 00:25:29,409

everybody to learn science but

685

00:25:33,690 --> 00:25:31,809

realistically they're not going to yeah

686

00:25:36,509 --> 00:25:33,700

I mean there's simple science out there

687

00:25:38,310 --> 00:25:36,519

I mean not like I guess like you can

688

00:25:40,200 --> 00:25:38,320

measure the drop of acceleration for

689

00:25:41,909 --> 00:25:40,210

example you can drop of things that is

690

00:25:43,980 --> 00:25:41,919

actually tough I did this because I was

691

00:25:45,720 --> 00:25:43,990

like gravity came up in the Flat Earth

692

00:25:47,399 --> 00:25:45,730

community so it's like okay I'm gonna

693

00:25:49,049 --> 00:25:47,409

measure gravity now so I just like

694

00:25:50,430 --> 00:25:49,059

dropped an object I just had a tape

695

00:25:53,570 --> 00:25:50,440

measure next to it that I could like

696

00:25:55,590 --> 00:25:53,580

plot displacement versus time

697

00:25:57,330 --> 00:25:55,600

extrapolate the acceleration that

698

00:25:59,610 --> 00:25:57,340

particle went through be a measuring and

699

00:26:01,350 --> 00:25:59,620

gravity essentially yeah but even that's

700

00:26:02,759 --> 00:26:01,360

really tough it's like what's the

701
00:26:04,320 --> 00:26:02,769
simplest science experiment out there I

702
00:26:05,610 --> 00:26:04,330
think we'll probably learn figuring out

703
00:26:07,350 --> 00:26:05,620
the earth and not fly was probably the

704
00:26:10,409 --> 00:26:07,360
simplest experiment out there just go to

705
00:26:13,980 --> 00:26:10,419
the beach and see if the ocean was going

706
00:26:16,250 --> 00:26:13,990
to be called for yeah so you said

707
00:26:20,370 --> 00:26:16,260
something interesting and in with your

708
00:26:23,190 --> 00:26:20,380
messages that you spent time on the

709
00:26:26,970 --> 00:26:23,200
discord server like a chatroom this is

710
00:26:28,620 --> 00:26:26,980
like a boys chat room yeah there's all

711
00:26:31,919 --> 00:26:28,630
these sort of underground flat earth

712
00:26:34,160 --> 00:26:31,929
chat rooms where people try to climb the

713
00:26:37,040 --> 00:26:34,170

Flat Earth pecking order

714

00:26:38,930 --> 00:26:37,050

so describe it the plethora of pecking

715

00:26:40,490 --> 00:26:38,940

order how do they how do they do that

716

00:26:41,060 --> 00:26:40,500

how do you progress in this pecking

717

00:26:43,550 --> 00:26:41,070

order

718

00:26:45,830 --> 00:26:43,560

so like that I remember this there was a

719

00:26:47,810 --> 00:26:45,840

hilarious episode of Bob's Burgers were

720

00:26:50,390 --> 00:26:47,820

like the turkeys just took over the town

721

00:26:52,280 --> 00:26:50,400

and like then there's this character who

722

00:26:53,870 --> 00:26:52,290

has this amazing voice on Bob's Burgers

723

00:26:55,340 --> 00:26:53,880

knees like either the turkeys got a

724

00:26:57,200 --> 00:26:55,350

pecking orders like they know that one

725

00:26:59,360 --> 00:26:57,210

can this disguise can affect that guy

726

00:27:00,950 --> 00:26:59,370

and so then everything is stable cuz I

727

00:27:02,300 --> 00:27:00,960

know who can know Peck who and then the

728

00:27:04,880 --> 00:27:02,310

then there's the guy at the top who can

729

00:27:07,910 --> 00:27:04,890

Peck anybody and then this level and in

730

00:27:10,460 --> 00:27:07,920

the so then to take the town but since

731

00:27:12,170 --> 00:27:10,470

the detecting order was destroyed and it

732

00:27:13,910 --> 00:27:12,180

was just complete anarchy right turkeys

733

00:27:17,510 --> 00:27:13,920

just pecking people in order for a

734

00:27:20,420 --> 00:27:17,520

second so in order to take back to town

735

00:27:22,190 --> 00:27:20,430

I think Bob's wife she just started Peck

736

00:27:24,440 --> 00:27:22,200

and Bob right because he was a big kind

737

00:27:25,970 --> 00:27:24,450

of guy right the turkeys were afraid of

738

00:27:28,520 --> 00:27:25,980

him a little bit because it was big but

739

00:27:30,380 --> 00:27:28,530

they could Peck him but then when they

740

00:27:32,030 --> 00:27:30,390

saw his wife attacking him right like

741

00:27:34,130 --> 00:27:32,040

then there and then she started pecking

742

00:27:36,410 --> 00:27:34,140

around all the turkeys got scared of his

743

00:27:38,120 --> 00:27:36,420

wife I figured his wife's name but yeah

744

00:27:40,070 --> 00:27:38,130

that was an order the same this is a

745

00:27:42,530 --> 00:27:40,080

pecking order was restoring it

746

00:27:43,970 --> 00:27:42,540

that's what a pecking order is now in

747

00:27:46,220 --> 00:27:43,980

flat earth I think what's going on is

748

00:27:48,620 --> 00:27:46,230

like can you embarrass someone by not

749

00:27:50,780 --> 00:27:48,630

knowing something right like if hmm like

750

00:27:52,640 --> 00:27:50,790

like you can throw out a question of

751

00:27:53,840 --> 00:27:52,650

some like what what is density and if

752

00:27:55,790 --> 00:27:53,850

like if they can't answer in a couple

753

00:27:57,680 --> 00:27:55,800

seconds like what is density me was not

754

00:28:00,530 --> 00:27:57,690

gonna answer it that's all it mass per

755

00:28:03,320 --> 00:28:00,540

volume yeah so I would survive that Peck

756

00:28:04,790 --> 00:28:03,330

that gets like oh this I oh I would

757

00:28:06,170 --> 00:28:04,800

climb the pecking order a little bit

758

00:28:07,730 --> 00:28:06,180

because I knew that definition but then

759

00:28:08,330 --> 00:28:07,740

there's people at the top like mark

760

00:28:14,120 --> 00:28:08,340

sergeant

761

00:28:16,490 --> 00:28:14,130

I know tech any flat or three so all

762

00:28:18,980 --> 00:28:16,500

these flutter chat rooms and then really

763

00:28:20,870 --> 00:28:18,990

like lots of different ones I have how

764

00:28:26,480 --> 00:28:20,880

would you kind of characterize the scale

765

00:28:27,950 --> 00:28:26,490

of this this society its underground so

766

00:28:30,080 --> 00:28:27,960

you don't we don't know about this it's

767

00:28:32,870 --> 00:28:30,090

all underground that it's the darkness

768

00:28:35,090 --> 00:28:32,880

the information whatever I guess do it

769

00:28:37,040 --> 00:28:35,100

again that did they were there I was in

770

00:28:39,650 --> 00:28:37,050

a few but I don't know how many there

771

00:28:41,450 --> 00:28:39,660

are at this and they won't they they're

772

00:28:42,920 --> 00:28:41,460

hidden very well like that you can't

773

00:28:45,770 --> 00:28:42,930

just get into them right there's like

774

00:28:46,710 --> 00:28:45,780

the 24/7 discord and then there's like

775

00:28:52,230 --> 00:28:46,720

the

776

00:28:53,850 --> 00:28:52,240

god a snow lady in this lake but like

777

00:28:56,760 --> 00:28:53,860

you get banned from them really quickly

778

00:28:59,910 --> 00:28:56,770

if you if they think you might be a but

779

00:29:02,130 --> 00:28:59,920

affect them so but it sounds like it's

780

00:29:04,260 --> 00:29:02,140

the same names coming up you know based

781

00:29:05,610 --> 00:29:04,270

on these the numbers of people that are

782

00:29:08,340 --> 00:29:05,620

actually in these things there's a

783

00:29:11,340 --> 00:29:08,350

pretty small phenomenon hopefully yeah

784

00:29:12,990 --> 00:29:11,350

yeah but yes it's just like when you do

785

00:29:14,280 --> 00:29:13,000

surveys you get two percent of the

786

00:29:17,490 --> 00:29:14,290

American public think that the earth

787

00:29:19,080 --> 00:29:17,500

might be might be flat which is what is

788

00:29:20,730 --> 00:29:19,090

that like you know five million people

789

00:29:23,310 --> 00:29:20,740

or something like that six million

790

00:29:24,930 --> 00:29:23,320

people which probably isn't correct it

791

00:29:27,050 --> 00:29:24,940

fragra just annoys people just randomly

792

00:29:28,710 --> 00:29:27,060

shake checking things on these surveys

793

00:29:29,910 --> 00:29:28,720

sure yeah

794

00:29:33,090 --> 00:29:29,920

there's a significant number of people

795

00:29:35,460 --> 00:29:33,100

who who lie on the surveys but yeah it's

796

00:29:36,570 --> 00:29:35,470

it's not that many people and I think

797

00:29:38,820 --> 00:29:36,580

this is something that people need to

798

00:29:40,830 --> 00:29:38,830

understand that about a lot of

799

00:29:42,390 --> 00:29:40,840

conspiracy theories is that they usually

800

00:29:46,260 --> 00:29:42,400

aren't that many people who really

801
00:29:48,180 --> 00:29:46,270
believe it and really are into it even

802
00:29:50,720 --> 00:29:48,190
with some of the more widespread ones

803
00:29:53,640 --> 00:29:50,730
like 9/11 you maybe get like a whole

804
00:29:56,550 --> 00:29:53,650
mess of people who say oh yeah maybe

805
00:29:59,460 --> 00:29:56,560
9/11 was an inside job yeah maybe that's

806
00:30:01,590 --> 00:29:59,470
like yeah a significant percentage of

807
00:30:03,240 --> 00:30:01,600
people who believe that but the actual

808
00:30:06,450 --> 00:30:03,250
number of people actually involved in

809
00:30:09,120 --> 00:30:06,460
9/11 truth it's really quite small and

810
00:30:12,360 --> 00:30:09,130
you know much lower with Flat Earth as

811
00:30:15,350 --> 00:30:12,370
well did you ever get into looking into

812
00:30:18,570 --> 00:30:15,360
things like 9/11 conspiracy theories I

813
00:30:20,400 --> 00:30:18,580

haven't actually I saw it in zeitgeist

814

00:30:22,320 --> 00:30:20,410

and then that kinda just didn't know

815

00:30:24,240 --> 00:30:22,330

like I kind of maybe throughout my life

816

00:30:25,890 --> 00:30:24,250

I just maybe maybe it was an inside job

817

00:30:28,260 --> 00:30:25,900

maybe it's not but if I were to bet

818

00:30:30,450 --> 00:30:28,270

money on it I would bet probably

819

00:30:34,080 --> 00:30:30,460

thousand dollars right now on spot that

820

00:30:36,000 --> 00:30:34,090

it was not and inside do you avoid

821

00:30:37,890 --> 00:30:36,010

looking at conspiracy theory especially

822

00:30:39,600 --> 00:30:37,900

worried that you might get sucked into

823

00:30:42,330 --> 00:30:39,610

them because of your your openness for

824

00:30:43,440 --> 00:30:42,340

these ideas oh no I'm not afraid of any

825

00:30:45,960 --> 00:30:43,450

idea at all

826

00:30:48,120 --> 00:30:45,970

but the reason I'm not looking InDesign

827

00:30:50,220 --> 00:30:48,130

eleven things because if I ever do I'm

828

00:30:52,140 --> 00:30:50,230

purposely remaining ignorant on it so

829

00:30:54,810 --> 00:30:52,150

that I can sort of go into a rabbit hole

830

00:30:56,880 --> 00:30:54,820

with someone else and then I can grab a

831

00:30:59,220 --> 00:30:56,890

hold of them and then when I land on my

832

00:31:00,040 --> 00:30:59,230

trampoline not come up with them maybe

833

00:31:04,060 --> 00:31:00,050

yeah

834

00:31:07,960 --> 00:31:04,070

an interesting thing okay so you talk

835

00:31:12,340 --> 00:31:07,970

about math a lot and you you've taken

836

00:31:13,990 --> 00:31:12,350

like graduate courses in math and yeah

837

00:31:17,290 --> 00:31:14,000

which is I mean maybe you didn't finish

838

00:31:19,090 --> 00:31:17,300

all of your courses but it's vastly more

839

00:31:23,140 --> 00:31:19,100

advanced than the average person like

840

00:31:24,700 --> 00:31:23,150

yeah I I did I think some undergraduate

841

00:31:26,590 --> 00:31:24,710

courses in math as my first year of

842

00:31:28,210 --> 00:31:26,600

computer science and they just hurt my

843

00:31:31,000 --> 00:31:28,220

head so much I just could not wrap my

844

00:31:33,640 --> 00:31:31,010

head around there's advanced calculus

845

00:31:38,110 --> 00:31:33,650

stuff that they were doing back then so

846

00:31:40,750 --> 00:31:38,120

I didn't take math after that what is it

847

00:31:43,090 --> 00:31:40,760

about math that kind of immunizes you

848

00:31:44,380 --> 00:31:43,100

against conspiracy theories all provides

849

00:31:46,810 --> 00:31:44,390

you with this trampoline is there

850

00:31:50,310 --> 00:31:46,820

something specific about math first it's

851
00:31:52,660 --> 00:31:50,320
a physics well I guess it's just like

852
00:31:53,950 --> 00:31:52,670
when we talk about beliefs that get you

853
00:31:56,140 --> 00:31:53,960
through the day and like some people

854
00:31:58,300 --> 00:31:56,150
believe they're a good person they

855
00:32:00,910 --> 00:31:58,310
believe that they're going to work doing

856
00:32:02,410 --> 00:32:00,920
something useful for me a beliefs that

857
00:32:06,550 --> 00:32:02,420
get me through the day or you puts five

858
00:32:08,590 --> 00:32:06,560
postulates so like if you have a point

859
00:32:10,810 --> 00:32:08,600
you can draw a straight line between any

860
00:32:13,900 --> 00:32:10,820
of those two points I mean that gets me

861
00:32:15,340 --> 00:32:13,910
through thick yeah and you you said that

862
00:32:17,860 --> 00:32:15,350
other people should learn Euclid's

863
00:32:19,750 --> 00:32:17,870

postulates as well yeah there's like

864

00:32:22,660 --> 00:32:19,760

it's I have the book Euclid's elements

865

00:32:24,870 --> 00:32:22,670

the most important book maybe maybe the

866

00:32:27,520 --> 00:32:24,880

most important book of humanity I mean

867

00:32:29,560 --> 00:32:27,530

it's up there it's next to the Bible

868

00:32:34,000 --> 00:32:29,570

it's next to the Quran it's next to the

869

00:32:35,650 --> 00:32:34,010

Torah yeah it was the man's Bible but I

870

00:32:37,180 --> 00:32:35,660

think it like a gay if you have to read

871

00:32:40,630 --> 00:32:37,190

it to the average person it's like what

872

00:32:42,100 --> 00:32:40,640

but it is possible is even mean yeah

873

00:32:44,170 --> 00:32:42,110

the easiest way to get into Euclid's

874

00:32:47,230 --> 00:32:44,180

elements is distresses apt called

875

00:32:48,880 --> 00:32:47,240

Euclidean it's just like an app on your

876

00:32:51,520 --> 00:32:48,890

smartphone and then like you can just

877

00:32:53,680 --> 00:32:51,530

like prove with a bunch of theorems on

878

00:32:56,050 --> 00:32:53,690

it and just instead of like proving a

879

00:32:58,150 --> 00:32:56,060

theorem sounds like daunting but no this

880

00:32:59,590 --> 00:32:58,160

is levels it's basically all this is

881

00:33:03,370 --> 00:32:59,600

like levels of the game and you prove

882

00:33:05,410 --> 00:33:03,380

various theorems so I was one actually I

883

00:33:07,090 --> 00:33:05,420

actually sounds kind of cool yeah and

884

00:33:08,650 --> 00:33:07,100

giving you successful though to someone

885

00:33:11,110 --> 00:33:08,660

who doesn't have a background in math at

886

00:33:13,600 --> 00:33:11,120

all no Lydia is definitely accessible to

887

00:33:15,640 --> 00:33:13,610

anyone who understands what a circle and

888

00:33:17,680 --> 00:33:15,650

line it's mm-hmm yeah I was fascinated

889

00:33:21,040 --> 00:33:17,690

with geometry when I was young I was

890

00:33:23,590 --> 00:33:21,050

trying to do things like trisect the

891

00:33:25,780 --> 00:33:23,600

angle yeah apparently that's impossible

892

00:33:27,100 --> 00:33:25,790

yeah it's a famous impossible problem in

893

00:33:29,200 --> 00:33:27,110

which I think for a long time they

894

00:33:30,010 --> 00:33:29,210

didn't know was impossible and I didn't

895

00:33:31,710 --> 00:33:30,020

believe them when this idea was

896

00:33:35,050 --> 00:33:31,720

impossible is the idea that you can

897

00:33:37,420 --> 00:33:35,060

divide an angle exactly into three using

898

00:33:40,870 --> 00:33:37,430

only a compass and a straight edge and a

899

00:33:44,220 --> 00:33:40,880

pencil like this so you wanna talk about

900

00:33:46,510 --> 00:33:44,230

your your landlady story yes I do

901
00:33:47,980 --> 00:33:46,520
hilarious take the tickets back to the

902
00:33:50,080 --> 00:33:47,990
start of that story there what actually

903
00:33:51,640 --> 00:33:50,090
what actually happened okay so what

904
00:33:53,230 --> 00:33:51,650
happened was this was a horrible living

905
00:33:55,330 --> 00:33:53,240
conditions like I would not want wish

906
00:33:58,120 --> 00:33:55,340
this upon anyone I would not wish like

907
00:33:59,860 --> 00:33:58,130
like it was like basically an atheist a

908
00:34:01,270 --> 00:33:59,870
Hindu and a Christian all lived in the

909
00:34:03,340 --> 00:34:01,280
same house for three months it's like

910
00:34:05,230 --> 00:34:03,350
the start of a joke we had a Hindu got

911
00:34:07,900 --> 00:34:05,240
along with her just fine he was a cool

912
00:34:08,350 --> 00:34:07,910
guy and what's going on with him never

913
00:34:09,490 --> 00:34:08,360

again

914

00:34:12,100 --> 00:34:09,500

well actually when you talk about

915

00:34:13,360 --> 00:34:12,110

chemtrails I mean I'm remembering the

916

00:34:15,310 --> 00:34:13,370

related story but when you talk about

917

00:34:17,590 --> 00:34:15,320

chemtrails like clouds being made of ice

918

00:34:19,510 --> 00:34:17,600

crystals remember the cloud that I went

919

00:34:21,100 --> 00:34:19,520

through was like pricks on my face so as

920

00:34:22,930 --> 00:34:21,110

I was going through it so clouds they're

921

00:34:24,370 --> 00:34:22,940

made of ice crystals or whatever yes

922

00:34:25,960 --> 00:34:24,380

that's true

923

00:34:28,120 --> 00:34:25,970

that one probably wasn't there because

924

00:34:31,030 --> 00:34:28,130

he'd be too low to air for it to be ice

925

00:34:33,130 --> 00:34:31,040

crystals oh so it's probably just you if

926

00:34:35,440 --> 00:34:33,140

you were going to so fast when you were

927

00:34:36,790 --> 00:34:35,450

falling through it thirty uh what would

928

00:34:38,200 --> 00:34:36,800

you parachute open at that point now you

929

00:34:40,389 --> 00:34:38,210

wouldn't do that until we were at

930

00:34:43,090 --> 00:34:40,399

Terminal one yeah so that was probably

931

00:34:46,630 --> 00:34:43,100

just the water droplets clouds Dominion

932

00:34:48,010 --> 00:34:46,640

level of made of water above that level

933

00:34:50,830 --> 00:34:48,020

when the temperature gets cold enough

934

00:34:53,680 --> 00:34:50,840

they're either water or ice and then a

935

00:34:54,970 --> 00:34:53,690

certain level they're always ice anyway

936

00:34:57,880 --> 00:34:54,980

we're getting off topic you have an

937

00:35:04,600 --> 00:34:57,890

interesting landlady story yes I love

938

00:35:06,130 --> 00:35:04,610

tangents what yeah so but yeah if she

939

00:35:09,010 --> 00:35:06,140

had all these rules in her house it was

940

00:35:10,780 --> 00:35:09,020

like and she was a bit of a not she was

941

00:35:12,970 --> 00:35:10,790

a bit of conspiracy person herself but

942

00:35:13,960 --> 00:35:12,980

she had this role was like in order to

943

00:35:16,210 --> 00:35:13,970

save power

944

00:35:19,090 --> 00:35:16,220

she had the unplugged she demanded all

945

00:35:19,630 --> 00:35:19,100

her residents unplug the toaster to save

946

00:35:21,460 --> 00:35:19,640

power

947

00:35:25,530 --> 00:35:21,470

now me being an electrical engineer

948

00:35:29,530 --> 00:35:25,540

- immediately knew that was false like

949

00:35:30,849 --> 00:35:29,540

immediately like Hawaii I had my like I

950

00:35:32,800 --> 00:35:30,859

had my knowledge I have my belief that

951
00:35:35,230 --> 00:35:32,810
knew that was wrong so I actually just

952
00:35:36,849 --> 00:35:35,240
forgot I left it plugged in all the time

953
00:35:38,109 --> 00:35:36,859
and she would flick out at me all the

954
00:35:39,040 --> 00:35:38,119
time from leaving the plugged in and

955
00:35:40,570 --> 00:35:39,050
wastin her power

956
00:35:42,310 --> 00:35:40,580
I told people at work like the

957
00:35:43,359 --> 00:35:42,320
electrical engineers that worked it's

958
00:35:45,070 --> 00:35:43,369
like the seniors there and they're like

959
00:35:46,510 --> 00:35:45,080
laughs when they're like oh yeah maybe

960
00:35:48,220 --> 00:35:46,520
there's capacitance between the two

961
00:35:49,930 --> 00:35:48,230
wires there's a little bit of you know

962
00:35:54,250 --> 00:35:49,940
if you maybe tens in it maybe a couple

963
00:35:55,720 --> 00:35:54,260

tempo sense of current power or they're

964

00:35:58,660 --> 00:35:55,730

like just laughing at how ridiculous

965

00:36:00,910 --> 00:35:58,670

this flame was so then but it wasn't

966

00:36:03,300 --> 00:36:00,920

funny for me because I was here and I

967

00:36:05,470 --> 00:36:03,310

was anxious like this woman was like I

968

00:36:08,080 --> 00:36:05,480

startled easily and she would be yelling

969

00:36:09,760 --> 00:36:08,090

at me causing anxiety causing to the

970

00:36:12,070 --> 00:36:09,770

point where I would be at work before I

971

00:36:14,290 --> 00:36:12,080

am someone's trying to avoid her so I

972

00:36:16,000 --> 00:36:14,300

was like enough of this it'll be all

973

00:36:17,290 --> 00:36:16,010

because of the toaster yeah well because

974

00:36:18,730 --> 00:36:17,300

of the tall I wouldn't unplug the

975

00:36:20,650 --> 00:36:18,740

toaster and she would yell at me and it

976

00:36:22,420 --> 00:36:20,660

just blew up right so I hide from her

977

00:36:25,839 --> 00:36:22,430

and worked for four until 4:00 a.m. they

978

00:36:27,190 --> 00:36:25,849

must have thought I was crazy but but I

979

00:36:31,510 --> 00:36:27,200

did get my work done on this - main

980

00:36:33,430 --> 00:36:31,520

thing yeah so I did what you said in

981

00:36:36,400 --> 00:36:33,440

like in escaping the rabbit hole you've

982

00:36:38,500 --> 00:36:36,410

described like spotlight and floodlight

983

00:36:40,599 --> 00:36:38,510

so this was laser light spotlight

984

00:36:42,310 --> 00:36:40,609

debunking was he had what this I was

985

00:36:44,200 --> 00:36:42,320

gonna show her that there was no current

986

00:36:45,670 --> 00:36:44,210

flowing through the toaster so I put

987

00:36:47,109 --> 00:36:45,680

that in line with the toaster and I

988

00:36:49,599 --> 00:36:47,119

measured the current that the toaster

989

00:36:51,400 --> 00:36:49,609

was when it was plugged in and switched

990

00:36:53,320 --> 00:36:51,410

engaged and when it was plugged in

991

00:36:56,829 --> 00:36:53,330

switch unengaged my shoulder that the

992

00:36:59,050 --> 00:36:56,839

current draw was zero basically and then

993

00:37:00,670 --> 00:36:59,060

she said many times she tried so I'm

994

00:37:02,589 --> 00:37:00,680

gonna get out here my electrician now

995

00:37:05,079 --> 00:37:02,599

I'm gonna he'll show me you're wrong and

996

00:37:07,120 --> 00:37:05,089

I said move bring him in it was the

997

00:37:09,130 --> 00:37:07,130

voltmeter here's the resistor here's the

998

00:37:10,570 --> 00:37:09,140

toaster tell him to calculate the power

999

00:37:12,070 --> 00:37:10,580

draw this thing when the switch is off

1000

00:37:14,109 --> 00:37:12,080

people tell you exactly what I've told

1001
00:37:16,240 --> 00:37:14,119
you and then I said this to her so many

1002
00:37:19,570 --> 00:37:16,250
times that she actually broke down in

1003
00:37:22,270 --> 00:37:19,580
tears when she realized that she was

1004
00:37:24,790 --> 00:37:22,280
wrong about this like and it was an

1005
00:37:26,200 --> 00:37:24,800
emotional thing I was hoping this would

1006
00:37:27,700 --> 00:37:26,210
be funny but because there is humor in

1007
00:37:30,270 --> 00:37:27,710
it but it's an emotional thing this

1008
00:37:34,100 --> 00:37:30,280
relates what it turned into being so

1009
00:37:37,370 --> 00:37:34,110
yeah yeah and that's interesting because

1010
00:37:38,960 --> 00:37:37,380
yeah it's not a huge belief really it's

1011
00:37:41,140 --> 00:37:38,970
just was just wrong about this one thing

1012
00:37:44,000 --> 00:37:41,150
yeah but what that was that was

1013
00:37:46,460 --> 00:37:44,010

fundamental to her belief about like the

1014

00:37:48,710 --> 00:37:46,470

smart meters being a conspiracy against

1015

00:37:50,540 --> 00:37:48,720

the utility company being having a

1016

00:37:52,580 --> 00:37:50,550

conspiracy against her dxtory

1017

00:37:54,110 --> 00:37:52,590

right I got her to show me your

1018

00:37:56,150 --> 00:37:54,120

electrical bill and it actually wasn't

1019

00:37:59,060 --> 00:37:56,160

that high I was she believed the

1020

00:38:00,500 --> 00:37:59,070

government was against her I didn't

1021

00:38:03,110 --> 00:38:00,510

really listen to her when she started

1022

00:38:05,090 --> 00:38:03,120

going on about that stuff applause well

1023

00:38:07,190 --> 00:38:05,100

showing her that she was wrong about the

1024

00:38:10,570 --> 00:38:07,200

toaster it just like toppled the

1025

00:38:13,190 --> 00:38:10,580

dominoes that she had her world humans

1026
00:38:16,190 --> 00:38:13,200
so did she change her mind about other

1027
00:38:18,860 --> 00:38:16,200
things then after that like about smart

1028
00:38:20,930 --> 00:38:18,870
meters I actually don't know what

1029
00:38:24,470 --> 00:38:20,940
because she was a bit naughty and I

1030
00:38:26,660 --> 00:38:24,480
didn't act over that much man but she

1031
00:38:28,940 --> 00:38:26,670
seemed happier when I finally left like

1032
00:38:30,740 --> 00:38:28,950
when she left she gave me like she asked

1033
00:38:32,960 --> 00:38:30,750
like Brad give me a hug correct when I

1034
00:38:36,740 --> 00:38:32,970
left because I guess and she thought

1035
00:38:38,840 --> 00:38:36,750
like that my her and my crossing pads

1036
00:38:42,290 --> 00:38:38,850
was some sort of spiritual thing for her

1037
00:38:43,910 --> 00:38:42,300
she was very Christian lady really

1038
00:38:45,770 --> 00:38:43,920

believed in Jesus like like we brought

1039

00:38:47,120 --> 00:38:45,780

her screwdriver once and she thought the

1040

00:38:48,770 --> 00:38:47,130

hand of Jesus had brought her the

1041

00:38:51,380 --> 00:38:48,780

screwdriver through me and the Indian

1042

00:38:53,660 --> 00:38:51,390

guy this kind of way she viewed the

1043

00:38:55,280 --> 00:38:53,670

world but she died I was like yeah I'll

1044

00:38:58,130 --> 00:38:55,290

give you a hug I mean I hope you do well

1045

00:39:01,010 --> 00:38:58,140

my hope she's doing well yeah definitely

1046

00:39:03,350 --> 00:39:01,020

but I think a lot of people have these

1047

00:39:05,570 --> 00:39:03,360

these moments where one cherished belief

1048

00:39:07,700 --> 00:39:05,580

gets knocked down and then it starts

1049

00:39:09,020 --> 00:39:07,710

starts them on the road out of the

1050

00:39:12,410 --> 00:39:09,030

rabbit hole so there's two different

1051
00:39:15,590 --> 00:39:12,420
things it's like with you you bounced

1052
00:39:17,090 --> 00:39:15,600
out straight away that you can have you

1053
00:39:18,820 --> 00:39:17,100
know played with a rabbit hole a bit but

1054
00:39:21,980 --> 00:39:18,830
then disco but it was it was nonsense

1055
00:39:24,950 --> 00:39:21,990
there's a guy in my book in the book

1056
00:39:26,810 --> 00:39:24,960
like he basically he heard about 9/11

1057
00:39:28,640 --> 00:39:26,820
the first time and he thought oh my god

1058
00:39:30,350 --> 00:39:28,650
yeah the government did 9/11 that's

1059
00:39:32,450 --> 00:39:30,360
inside job and he was like into it for

1060
00:39:34,370 --> 00:39:32,460
like nearly a week I think and then his

1061
00:39:36,020 --> 00:39:34,380
brother told him like things like you

1062
00:39:37,370 --> 00:39:36,030
know well gravity brings things straight

1063
00:39:38,530 --> 00:39:37,380

down so that's why they fell down in a

1064

00:39:41,290 --> 00:39:38,540

straight line and he was

1065

00:39:43,270 --> 00:39:41,300

yeah and I think yeah that's you know

1066

00:39:44,830 --> 00:39:43,280

similar to you you you've kind of

1067

00:39:47,110 --> 00:39:44,840

flirted with the idea for a bit and

1068

00:39:49,510 --> 00:39:47,120

examined it and then discovered it was

1069

00:39:52,240 --> 00:39:49,520

it was false but a lot of people list so

1070

00:39:54,160 --> 00:39:52,250

they'd get get down the rabbit hole and

1071

00:39:58,180 --> 00:39:54,170

they explore everything down there and

1072

00:40:00,010 --> 00:39:58,190

then they have one thing that comes

1073

00:40:01,930 --> 00:40:00,020

through and say this is wrong what else

1074

00:40:03,850 --> 00:40:01,940

might be wrong and I wonder if it could

1075

00:40:06,400 --> 00:40:03,860

be as something as simple as you know

1076
00:40:08,800 --> 00:40:06,410
the toaster does not draw power when

1077
00:40:10,930 --> 00:40:08,810
it's plugged in oh yeah

1078
00:40:13,410 --> 00:40:10,940
when it's often plugged in yeah yeah

1079
00:40:16,090 --> 00:40:13,420
yeah it's when it's plugged in and off

1080
00:40:17,530 --> 00:40:16,100
and you know it had not belief from her

1081
00:40:20,200 --> 00:40:17,540
point of view isn't entirely

1082
00:40:23,020 --> 00:40:20,210
unreasonable because you get John yet

1083
00:40:25,480 --> 00:40:23,030
you get told about parasitic power the

1084
00:40:27,760 --> 00:40:25,490
things like TV and you know amplifiers

1085
00:40:29,830 --> 00:40:27,770
and things if your TV switched in

1086
00:40:32,710 --> 00:40:29,840
plugged in and switched off a lot of the

1087
00:40:35,190 --> 00:40:32,720
time it's drawing power and the funny

1088
00:40:38,260 --> 00:40:35,200

thing was she left her TV plugged in

1089

00:40:40,780 --> 00:40:38,270

which would have been about a million

1090

00:40:41,770 --> 00:40:40,790

engine switch power being wasted as yeah

1091

00:40:45,700 --> 00:40:41,780

this toaster

1092

00:40:48,070 --> 00:40:45,710

yeah so I guess that's uh it's a good

1093

00:40:52,570 --> 00:40:48,080

lesson in the if you can convince

1094

00:40:54,490 --> 00:40:52,580

somebody about a deeply held belief it

1095

00:40:56,110 --> 00:40:54,500

doesn't have to be the one that's like

1096

00:40:57,700 --> 00:40:56,120

some big conspiracy theory I mean it was

1097

00:40:58,930 --> 00:40:57,710

just a mistake essentially on her part

1098

00:41:00,730 --> 00:40:58,940

I'm sure it was related to these other

1099

00:41:04,690 --> 00:41:00,740

things but it's something that's on the

1100

00:41:06,970 --> 00:41:04,700

line between her reasonable beliefs and

1101

00:41:08,590 --> 00:41:06,980

her unreasonable beliefs but it was

1102

00:41:11,650 --> 00:41:08,600

something that was solidly in the camp

1103

00:41:15,580 --> 00:41:11,660

of her her beliefs what she thought were

1104

00:41:17,140 --> 00:41:15,590

reasonable but we're actually not yeah I

1105

00:41:20,080 --> 00:41:17,150

want you to talk a bit more about the

1106

00:41:23,140 --> 00:41:20,090

these chat rooms so I'm very interested

1107

00:41:25,480 --> 00:41:23,150

in the idea of like yeah it's not really

1108

00:41:28,210 --> 00:41:25,490

the dark web the discord servers they're

1109

00:41:30,820 --> 00:41:28,220

just private discord servers that you're

1110

00:41:32,590 --> 00:41:30,830

on you know actually interest

1111

00:41:36,370 --> 00:41:32,600

communities yeah you're not going play

1112

00:41:38,200 --> 00:41:36,380

at all browsers how does it how does it

1113

00:41:40,930 --> 00:41:38,210

differ from like the the stuff that

1114

00:41:42,490 --> 00:41:40,940

shows up on YouTube I mean you sure we

1115

00:41:44,770 --> 00:41:42,500

get them chatting with each other and

1116

00:41:46,480 --> 00:41:44,780

they're the public chats is there a

1117

00:41:49,030 --> 00:41:46,490

difference between that what

1118

00:41:51,259 --> 00:41:49,040

flat-earthers doing private versus what

1119

00:41:53,959 --> 00:41:51,269

they do in public the difference is

1120

00:41:56,149 --> 00:41:53,969

in private so like in public we whatever

1121

00:41:57,769 --> 00:41:56,159

you say is broadcast and she's in stone

1122

00:41:58,969 --> 00:41:57,779

is etched into the internet so you're

1123

00:42:00,859 --> 00:41:58,979

going to be careful about what you say

1124

00:42:03,679 --> 00:42:00,869

but when you're on the discourse or you

1125

00:42:05,569 --> 00:42:03,689

can just joke around and be a little let

1126
00:42:07,370 --> 00:42:05,579
your guard down kind of thing and I was

1127
00:42:09,439 --> 00:42:07,380
actually accused of that like because I

1128
00:42:10,909 --> 00:42:09,449
was talking with some slider it was like

1129
00:42:13,459 --> 00:42:10,919
some guy write the hand whoever I

1130
00:42:14,719 --> 00:42:13,469
remember name some details but I was

1131
00:42:16,069 --> 00:42:14,729
talking with him when we're having jokes

1132
00:42:17,929 --> 00:42:16,079
and they were like oh they thought I was

1133
00:42:19,959 --> 00:42:17,939
a pretty cool guy for a globe er and

1134
00:42:23,870 --> 00:42:19,969
then as soon as we went on the public

1135
00:42:27,829 --> 00:42:23,880
talk I started well I'm not going to

1136
00:42:30,309 --> 00:42:27,839
joke about earth being flat anymore or

1137
00:42:32,630 --> 00:42:30,319
like not gonna make any sort of

1138
00:42:34,249 --> 00:42:32,640

misconstrue myself as a fighter because

1139

00:42:37,370 --> 00:42:34,259

the earth is round I'm a very educated

1140

00:42:40,279 --> 00:42:37,380

person and I want to get that across to

1141

00:42:41,839 --> 00:42:40,289

people so I want that to be my public

1142

00:42:43,219 --> 00:42:41,849

English I don't want my public image to

1143

00:42:45,380 --> 00:42:43,229

be that I was a fighter for fruit day

1144

00:42:46,549 --> 00:42:45,390

that's just a joke right the public

1145

00:42:48,589 --> 00:42:46,559

image is you gotta strike for your

1146

00:42:50,959 --> 00:42:48,599

public image so I had to do that and

1147

00:42:53,259 --> 00:42:50,969

they got really angry at me because I

1148

00:42:58,189 --> 00:42:53,269

started being write about stuff

1149

00:43:00,859 --> 00:42:58,199

essentially do you think a lot of what

1150

00:43:02,239 --> 00:43:00,869

they do is just kind of like for social

1151
00:43:04,909 --> 00:43:02,249
reasons like they're just having fun

1152
00:43:06,979 --> 00:43:04,919
hanging out and they just see what I

1153
00:43:08,749 --> 00:43:06,989
think it is I mean it is fun just

1154
00:43:10,069 --> 00:43:08,759
chatting with and I've actually chatted

1155
00:43:11,929 --> 00:43:10,079
with the flutter this for a while and

1156
00:43:13,729 --> 00:43:11,939
it's you know there are a lot of them

1157
00:43:14,989 --> 00:43:13,739
fairly nice people a few of them are not

1158
00:43:17,209 --> 00:43:14,999
but you know there's a lot of nice

1159
00:43:18,889 --> 00:43:17,219
people there it's fun to chat and it's

1160
00:43:21,319 --> 00:43:18,899
almost like they keep doing it what I'm

1161
00:43:23,539 --> 00:43:21,329
thinking about these these private rooms

1162
00:43:24,979 --> 00:43:23,549
these these underground meetings just

1163
00:43:27,620 --> 00:43:24,989

like they're having a little party in

1164

00:43:30,549 --> 00:43:27,630

there yes I guess so yeah I wouldn't

1165

00:43:34,459 --> 00:43:30,559

know because I'm generally not pointed

1166

00:43:36,079 --> 00:43:34,469

all right so just finish up like suppose

1167

00:43:38,539 --> 00:43:36,089

there was someone in the same situation

1168

00:43:40,579 --> 00:43:38,549

as you back when you were interested in

1169

00:43:44,689 --> 00:43:40,589

this type of thing and maybe they don't

1170

00:43:46,819 --> 00:43:44,699

have your background in mathematics what

1171

00:43:49,789 --> 00:43:46,829

advice would you give to someone who's

1172

00:43:53,379 --> 00:43:49,799

starting to look into flat earth and

1173

00:43:56,629 --> 00:43:53,389

gives it as giving it some credulity um

1174

00:44:00,319 --> 00:43:56,639

I don't know because I'm afraid anything

1175

00:44:02,420 --> 00:44:00,329

I say is going to be backfire effect so

1176

00:44:05,299 --> 00:44:02,430

maybe I would say nothing

1177

00:44:07,430 --> 00:44:05,309

just look at them I just listen to what

1178

00:44:10,460 --> 00:44:07,440

they said maybe that's it that's all I

1179

00:44:12,849 --> 00:44:10,470

might do so I say my ears are open

1180

00:44:15,380 --> 00:44:12,859

that's all maybe that's all I would say

1181

00:44:18,980 --> 00:44:15,390

but if I had to say something I would

1182

00:44:23,319 --> 00:44:18,990

say geometry etymology the word geometry

1183

00:44:26,510 --> 00:44:23,329

means geo means earth mentally means

1184

00:44:29,539 --> 00:44:26,520

measurement geometry means measurements

1185

00:44:32,359 --> 00:44:29,549

of the earth Euclid was not a flat

1186

00:44:34,210 --> 00:44:32,369

earther cuz he lived in Greece ancient

1187

00:44:36,200 --> 00:44:34,220

Greece where they measured the

1188

00:44:38,930 --> 00:44:36,210

circumference of the earth and he would

1189

00:44:41,420 --> 00:44:38,940

have been in these academic circles they

1190

00:44:43,220 --> 00:44:41,430

would say that's all fake yeah there was

1191

00:44:44,510 --> 00:44:43,230

one guy teach egg I mentioned that too

1192

00:44:46,339 --> 00:44:44,520

when he said like oh well Euclid

1193

00:44:47,210 --> 00:44:46,349

probably didn't exist and you can't know

1194

00:44:50,359 --> 00:44:47,220

what you're talking about with this

1195

00:44:52,910 --> 00:44:50,369

stuff like yeah so let's think they got

1196

00:44:55,339 --> 00:44:52,920

other questions that they need answers

1197

00:44:57,069 --> 00:44:55,349

to so what so really you got to see what

1198

00:44:58,910 --> 00:44:57,079

questions they have in their mind

1199

00:45:00,319 --> 00:44:58,920

there's like some stuff they'll just

1200

00:45:02,269 --> 00:45:00,329

accept right away look I remember I told

1201

00:45:03,680 --> 00:45:02,279

PJ is like you just asked me really

1202

00:45:05,359 --> 00:45:03,690

quickly one of these hangouts it's like

1203

00:45:07,460 --> 00:45:05,369

if you go up a hell does the irrigate

1204

00:45:08,960 --> 00:45:07,470

less dense and I said yes and he's like

1205

00:45:10,880 --> 00:45:08,970

so he took that immediately you would

1206

00:45:12,289 --> 00:45:10,890

accept that with a question yeah so the

1207

00:45:14,779 --> 00:45:12,299

simple observations like that that

1208

00:45:16,760 --> 00:45:14,789

anyone can make that I think you point

1209

00:45:19,190 --> 00:45:16,770

out to people oh yeah I think I would

1210

00:45:21,529 --> 00:45:19,200

give up give them the your example of

1211

00:45:22,579 --> 00:45:21,539

looking at an eye on this distance and

1212

00:45:25,220 --> 00:45:22,589

looking at it from different heights

1213

00:45:27,890 --> 00:45:25,230

it's a great great experiment people can

1214

00:45:30,049 --> 00:45:27,900

do to demonstrate that the something is

1215

00:45:31,760 --> 00:45:30,059

obscuring that wasn't of the island it's

1216

00:45:33,950 --> 00:45:31,770

a great experiment if your lines is open

1217

00:45:35,480 --> 00:45:33,960

yeah but the flat earthers I cuz I'm

1218

00:45:37,339 --> 00:45:35,490

always thinking about I still haven't

1219

00:45:39,440 --> 00:45:37,349

figured it out why are people believing

1220

00:45:41,359 --> 00:45:39,450

this and I think maybe it's just they

1221

00:45:43,069 --> 00:45:41,369

have certain questions so complied

1222

00:45:44,420 --> 00:45:43,079

earthers articulate your questions and

1223

00:45:46,339 --> 00:45:44,430

answer them yourself articulate your

1224

00:45:48,079 --> 00:45:46,349

question you have questions articulate

1225

00:45:50,059 --> 00:45:48,089

them the best you can for yourself so

1226
00:45:52,450 --> 00:45:50,069
that you can see figure out exactly what

1227
00:45:54,170 --> 00:45:52,460
answers you need yeah I think

1228
00:45:57,529 --> 00:45:54,180
understanding what the question actually

1229
00:45:59,029 --> 00:45:57,539
is is yeah because is it good start

1230
00:46:02,000 --> 00:45:59,039
because other people they they don't

1231
00:46:04,250 --> 00:46:02,010
they don't really have good questions

1232
00:46:05,599 --> 00:46:04,260
guys that they're confused they don't

1233
00:46:07,309 --> 00:46:05,609
know what they want to know they don't

1234
00:46:09,890 --> 00:46:07,319
know what they don't they're confused

1235
00:46:11,569 --> 00:46:09,900
and we don't know what they don't know

1236
00:46:13,670 --> 00:46:11,579
either so if we could start to have were

1237
00:46:18,500 --> 00:46:13,680
confused

1238
00:46:20,690 --> 00:46:18,510

flat-earthers like how what is going on

1239

00:46:23,060 --> 00:46:20,700

in your head where you can't say that

1240

00:46:26,510 --> 00:46:23,070

this is being obscured anyway that's all

1241

00:46:28,360 --> 00:46:26,520

a bit off topic but well is there

1242

00:46:32,240 --> 00:46:28,370

anything else you'd let's talk about

1243

00:46:33,470 --> 00:46:32,250

yeah I was saying to my friends I was

1244

00:46:35,240 --> 00:46:33,480

like man I was excited that I was going

1245

00:46:36,410 --> 00:46:35,250

to talk to you because I don't know if

1246

00:46:38,930 --> 00:46:36,420

you know something said that group but

1247

00:46:41,570 --> 00:46:38,940

the Tony Hawk underground game and I

1248

00:46:45,010 --> 00:46:41,580

think you were involved with this yes I

1249

00:46:48,800 --> 00:46:45,020

understand it was the technical director

1250

00:46:50,690 --> 00:46:48,810

Tony yes or me no and I'm flabbergasted

1251
00:46:56,030 --> 00:46:50,700
to be in the presence of your right now

1252
00:46:57,260 --> 00:46:56,040
for that yeah I think I found that game

1253
00:47:00,080 --> 00:46:57,270
programming is actually being quite

1254
00:47:01,370 --> 00:47:00,090
useful in terms of debunking because

1255
00:47:03,170 --> 00:47:01,380
there's a lot of things that went into

1256
00:47:06,410 --> 00:47:03,180
making games like the Tony Hawk games

1257
00:47:09,110 --> 00:47:06,420
where the the things you have to think

1258
00:47:10,780 --> 00:47:09,120
about are similar to what you have to

1259
00:47:13,040 --> 00:47:10,790
think about in debunking these

1260
00:47:15,140 --> 00:47:13,050
conspiracy theories or investigating

1261
00:47:17,750 --> 00:47:15,150
these videos and things so if someone

1262
00:47:19,370 --> 00:47:17,760
shows you a picture of you know

1263
00:47:21,610 --> 00:47:19,380

something that's either visible or not

1264

00:47:23,840 --> 00:47:21,620

visible and you can work out in 3d

1265

00:47:25,610 --> 00:47:23,850

what's going on

1266

00:47:28,130 --> 00:47:25,620

which University people can't but then

1267

00:47:29,720 --> 00:47:28,140

you can do that and then you can figure

1268

00:47:32,090 --> 00:47:29,730

out a way of explaining it to people so

1269

00:47:34,790 --> 00:47:32,100

it's quite handy being a computer games

1270

00:47:37,280 --> 00:47:34,800

programmer I people kind of mock you it

1271

00:47:39,410 --> 00:47:37,290

wasn't mock me they say yeah it's just a

1272

00:47:40,880 --> 00:47:39,420

video game programmer it actually is one

1273

00:47:43,010 --> 00:47:40,890

of the best things that you could be if

1274

00:47:46,880 --> 00:47:43,020

you want to be interested in kind of

1275

00:47:49,100 --> 00:47:46,890

mutually debunking things all right Brad

1276

00:47:50,810 --> 00:47:49,110

well I like to thank you very much for

1277

00:47:52,160 --> 00:47:50,820

being being a guest it's been a very

1278

00:47:54,050 --> 00:47:52,170

interesting conversation

1279

00:47:56,660 --> 00:47:54,060

yeah thanks makers it's been a pleasure

1280

00:47:58,340 --> 00:47:56,670

to be on the podcast um I was looking

1281

00:48:00,860 --> 00:47:58,350

forward to this for weeks