

The image is a composite graphic. On the left side, there is a golden, anatomical illustration of a human head in profile, facing right. The head is splattered with bright red liquid, resembling blood, which is also splashing outwards against a yellow and orange background. On the right side, there is a close-up portrait of a man with short dark hair, looking directly at the camera with a neutral expression. He is wearing a light blue collared shirt and a dark grey jacket. The background behind him is black.

**COLEMAN
HUGHES**

**UNIVERSITIES HAVE
BECOME OBSOLETE**

1
00:00:04,470 --> 00:00:02,070
coleman hughes is an accomplished writer

2
00:00:06,869 --> 00:00:04,480
a philosophy graduate and the host of

3
00:00:08,470 --> 00:00:06,879
the podcast conversations with coleman a

4
00:00:10,629 --> 00:00:08,480
link to which is in the description

5
00:00:12,950 --> 00:00:10,639
coleman sat down with me for a podcast

6
00:00:14,549 --> 00:00:12,960
on consciousness uaps and theoretical

7
00:00:16,230 --> 00:00:14,559
physics though because of certain

8
00:00:18,150 --> 00:00:16,240
technical issues this is being released

9
00:00:20,710 --> 00:00:18,160
on the toe podcast instead of on his

10
00:00:23,029 --> 00:00:20,720
platform a much longer follow-up is

11
00:00:24,870 --> 00:00:23,039
going to be conducted over zoom for his

12
00:00:27,189 --> 00:00:24,880
channel comment with any questions that

13
00:00:29,189 --> 00:00:27,199

you feel were left unanswered or areas

14

00:00:31,029 --> 00:00:29,199

that you would like to be explored more

15

00:00:32,870 --> 00:00:31,039

and coleman will try to address them for

16

00:00:35,350 --> 00:00:32,880

the follow-up next week on the toe

17

00:00:37,270 --> 00:00:35,360

channel will be professor abbay ashtakar

18

00:00:39,670 --> 00:00:37,280

who is a prestigious and acclaimed

19

00:00:41,590 --> 00:00:39,680

physicist who paved the way for modern

20

00:00:43,030 --> 00:00:41,600

quantum gravity approaches like loop

21

00:00:45,190 --> 00:00:43,040

quantum gravity and loop quantum

22

00:00:47,110 --> 00:00:45,200

cosmology he talks about what occurred

23

00:00:48,790 --> 00:00:47,120

prior to the big bang i'm sure you heard

24

00:00:50,310 --> 00:00:48,800

that nothing existed prior to the big

25

00:00:51,990 --> 00:00:50,320

bang well that's only true in certain

26
00:00:53,510 --> 00:00:52,000
models they're cyclical models where

27
00:00:55,990 --> 00:00:53,520
that's not true in loop quantum

28
00:00:58,869 --> 00:00:56,000
cosmology there is no singularity but

29
00:01:00,470 --> 00:00:58,879
instead a repulsive force that breeds

30
00:01:02,709 --> 00:01:00,480
another universe under certain

31
00:01:04,789 --> 00:01:02,719
conditions ashtakar is the physicist

32
00:01:07,670 --> 00:01:04,799
referenced numerous in a positive

33
00:01:09,830 --> 00:01:07,680
light by salvatore pius in fact sal sent

34
00:01:12,310 --> 00:01:09,840
in a question for ashtakar on the super

35
00:01:14,469 --> 00:01:12,320
force expect that in about a week's time

36
00:01:16,469 --> 00:01:14,479
as mentioned before this is a brand new

37
00:01:18,070 --> 00:01:16,479
season for the theories of everything

38
00:01:20,149 --> 00:01:18,080

project or channel where i'm going to

39

00:01:22,789 --> 00:01:20,159

explore different kinds of content so

40

00:01:24,550 --> 00:01:22,799

for example new guests that aren't

41

00:01:26,630 --> 00:01:24,560

repeatedly interviewed on the standard

42

00:01:28,950 --> 00:01:26,640

podcast rolodex like ashtakar for

43

00:01:31,109 --> 00:01:28,960

example there will be more theolocations

44

00:01:32,870 --> 00:01:31,119

such as one that's coming up is bernardo

45

00:01:34,789 --> 00:01:32,880

castro and chris langan there will be

46

00:01:37,190 --> 00:01:34,799

other explainer type videos so for

47

00:01:38,870 --> 00:01:37,200

example how does one go about learning a

48

00:01:41,510 --> 00:01:38,880

new theory of everything and some

49

00:01:43,670 --> 00:01:41,520

ancillary content like an inventorying

50

00:01:46,310 --> 00:01:43,680

video about new creators up and coming

51
00:01:48,710 --> 00:01:46,320
creators in the uap physics math

52
00:01:50,870 --> 00:01:48,720
consciousness space as tiny creators

53
00:01:52,870 --> 00:01:50,880
tend to get overlooked despite toiling

54
00:01:54,550 --> 00:01:52,880
just as hard and given the modest

55
00:01:56,630 --> 00:01:54,560
following on this channel it would be

56
00:01:58,709 --> 00:01:56,640
great to shine some light their way as i

57
00:02:01,109 --> 00:01:58,719
know i wish someone larger had done that

58
00:02:02,789 --> 00:02:01,119
for me when i was struggling no sponsor

59
00:02:05,630 --> 00:02:02,799
for today's podcast if you'd like to

60
00:02:09,150 --> 00:02:05,640
contribute then do consider going to

61
00:02:11,029 --> 00:02:09,160
patreon.com that is c-u-r-t

62
00:02:13,190 --> 00:02:11,039
j-a-i-m-u-n-g-a-l as this is what i'm

63
00:02:15,030 --> 00:02:13,200

able to do full-time now thanks to your

64

00:02:17,910 --> 00:02:15,040

generous support

65

00:02:19,910 --> 00:02:17,920

enjoy coleman hughes interviewing kurt

66

00:02:21,510 --> 00:02:19,920

jaymungal all right kurt thanks so much

67

00:02:23,830 --> 00:02:21,520

for coming on my show yeah thank you

68

00:02:25,589 --> 00:02:23,840

thank you for inviting me so i've been

69

00:02:28,229 --> 00:02:25,599

listening to your podcasts theories of

70

00:02:31,030 --> 00:02:28,239

everything right right and we're gonna

71

00:02:33,190 --> 00:02:31,040

get into the topics you cover

72

00:02:35,270 --> 00:02:33,200

but before we do that can you give a

73

00:02:36,470 --> 00:02:35,280

little summary of who you are where

74

00:02:38,150 --> 00:02:36,480

you're from

75

00:02:39,830 --> 00:02:38,160

you know your background how you came to

76

00:02:40,790 --> 00:02:39,840

care about topics

77

00:02:43,350 --> 00:02:40,800

like

78

00:02:44,229 --> 00:02:43,360

you know ufos and

79

00:02:50,949 --> 00:02:44,239

and

80

00:02:52,550 --> 00:02:50,959

i've

81

00:02:53,910 --> 00:02:52,560

been interested in

82

00:02:55,430 --> 00:02:53,920

what are called theories of everything

83

00:02:57,270 --> 00:02:55,440

since i was a child

84

00:02:58,390 --> 00:02:57,280

since i learned about them so you've

85

00:02:59,910 --> 00:02:58,400

heard i'm sure you've heard there's

86

00:03:01,430 --> 00:02:59,920

quantum mechanics technically it should

87

00:03:03,110 --> 00:03:01,440

be quantum field theory and then general

88

00:03:04,390 --> 00:03:03,120

relativity some people say it's the

89

00:03:05,990 --> 00:03:04,400

theory of the small with the theory of

90

00:03:07,750 --> 00:03:06,000

the large

91

00:03:09,670 --> 00:03:07,760

technically elephants are quantum

92

00:03:11,509 --> 00:03:09,680

mechanical so it's a bit strange to

93

00:03:12,550 --> 00:03:11,519

relegate quantum mechanics to just the

94

00:03:14,149 --> 00:03:12,560

small

95

00:03:15,509 --> 00:03:14,159

so if we did enough experiments and we

96

00:03:17,509 --> 00:03:15,519

took an elephant and we threw it through

97

00:03:18,710 --> 00:03:17,519

a double slit

98

00:03:19,910 --> 00:03:18,720

it should

99

00:03:22,149 --> 00:03:19,920

in theory

100

00:03:24,229 --> 00:03:22,159

split regardless when i was small i

101
00:03:26,390 --> 00:03:24,239
heard about this

102
00:03:28,470 --> 00:03:26,400
it's a contradiction or it's a

103
00:03:30,470 --> 00:03:28,480
difficulty in putting these two

104
00:03:32,229 --> 00:03:30,480
pieces together and one needs to in

105
00:03:33,430 --> 00:03:32,239
order to be able to describe black holes

106
00:03:35,110 --> 00:03:33,440
and what happened at the origin of the

107
00:03:36,630 --> 00:03:35,120
universe so there are various mysteries

108
00:03:38,470 --> 00:03:36,640
in physics

109
00:03:40,390 --> 00:03:38,480
and i've been interested in that since

110
00:03:43,270 --> 00:03:40,400
as far as i can remember

111
00:03:45,589 --> 00:03:43,280
then i did my undergraduate in something

112
00:03:47,270 --> 00:03:45,599
called mathematical physics then i went

113
00:03:48,710 --> 00:03:47,280

into filmmaking

114

00:03:51,190 --> 00:03:48,720

and somewhat abandoned that though i

115

00:03:53,190 --> 00:03:51,200

kept the same

116

00:03:54,949 --> 00:03:53,200

state of mind when i approached

117

00:03:56,390 --> 00:03:54,959

filmmaking

118

00:03:58,070 --> 00:03:56,400

and then since the pandemic started i

119

00:03:59,830 --> 00:03:58,080

thought you know what why not just

120

00:04:01,670 --> 00:03:59,840

go back to these roots i'm super

121

00:04:03,270 --> 00:04:01,680

interested in i think about it almost

122

00:04:05,350 --> 00:04:03,280

all the time

123

00:04:06,869 --> 00:04:05,360

it unhinges me to some degree but anyway

124

00:04:09,910 --> 00:04:06,879

i think about it

125

00:04:12,070 --> 00:04:09,920

almost every minute or so so i started

126

00:04:13,509 --> 00:04:12,080

interviewing people about their theory

127

00:04:15,670 --> 00:04:13,519

of everything so their combination of

128

00:04:17,030 --> 00:04:15,680

quantum mechanics and general relativity

129

00:04:18,629 --> 00:04:17,040

then i found out that there's more than

130

00:04:19,909 --> 00:04:18,639

just that because there's the mystery of

131

00:04:21,509 --> 00:04:19,919

well what the heck is consciousness and

132

00:04:24,150 --> 00:04:21,519

what role does it play fundamentally

133

00:04:27,030 --> 00:04:24,160

does it emerge from what we think of as

134

00:04:29,430 --> 00:04:27,040

material so dead matter

135

00:04:31,909 --> 00:04:29,440

and it's somehow it became successful

136

00:04:34,550 --> 00:04:31,919

and that's now i'm super lucky much like

137

00:04:36,870 --> 00:04:34,560

yourself i'm sure you're like holy moly

138

00:04:38,550 --> 00:04:36,880

i get to do it to talk to awesome people

139

00:04:41,189 --> 00:04:38,560

because i see what you want to talk to

140

00:04:43,030 --> 00:04:41,199

yeah and i got to think about stuff that

141

00:04:45,189 --> 00:04:43,040

i think about

142

00:04:46,469 --> 00:04:45,199

you know regardless

143

00:04:48,390 --> 00:04:46,479

it's almost like we're

144

00:04:49,909 --> 00:04:48,400

researchers

145

00:04:51,430 --> 00:04:49,919

but in the university except we're not

146

00:04:52,469 --> 00:04:51,440

being paid by the university and we

147

00:04:53,990 --> 00:04:52,479

don't have to

148

00:04:55,110 --> 00:04:54,000

conform to whatever the university wants

149

00:04:56,870 --> 00:04:55,120

us to do

150

00:04:57,590 --> 00:04:56,880

you know universities

151

00:05:00,550 --> 00:04:57,600

i

152

00:05:03,350 --> 00:05:00,560

of

153

00:05:05,029 --> 00:05:03,360

deep and free thought that i actually

154

00:05:06,950 --> 00:05:05,039

wanted to live by

155

00:05:09,350 --> 00:05:06,960

in a classroom setting it was a rare

156

00:05:11,830 --> 00:05:09,360

professor that would set

157

00:05:15,909 --> 00:05:11,840

the culture of the class

158

00:05:17,510 --> 00:05:15,919

freely enough that we could really

159

00:05:19,749 --> 00:05:17,520

really pursue

160

00:05:21,670 --> 00:05:19,759

the the the deepest

161

00:05:24,550 --> 00:05:21,680

consequences of the ideas in the room

162

00:05:26,710 --> 00:05:24,560

with no fear with no social fears so

163

00:05:29,270 --> 00:05:26,720

that is basically

164

00:05:31,189 --> 00:05:29,280

i think the the

165

00:05:34,390 --> 00:05:31,199

the the places

166

00:05:35,510 --> 00:05:34,400

that actually allow for truly free

167

00:05:36,550 --> 00:05:35,520

thought

168

00:05:39,909 --> 00:05:36,560

which is supposed to be what a

169

00:05:42,230 --> 00:05:39,919

university is have shifted in some ways

170

00:05:45,350 --> 00:05:42,240

to places like

171

00:05:47,590 --> 00:05:45,360

you know my podcast your podcast and and

172

00:05:49,830 --> 00:05:47,600

other places in the culture have sort of

173

00:05:51,749 --> 00:05:49,840

filled that vacuum

174

00:05:54,070 --> 00:05:51,759

yeah yeah it's

175

00:05:55,830 --> 00:05:54,080

it's it's wonderful well it's wonderful

176
00:05:57,430 --> 00:05:55,840
for us it's not wonderful for

177
00:05:59,430 --> 00:05:57,440
the universities though they

178
00:06:01,350 --> 00:05:59,440
i think they think it is it's it's for

179
00:06:02,950 --> 00:06:01,360
their net benefit right

180
00:06:05,110 --> 00:06:02,960
at least they claim to

181
00:06:06,870 --> 00:06:05,120
and i'm also from toronto so that's the

182
00:06:08,950 --> 00:06:06,880
reason why there's a background we

183
00:06:11,189 --> 00:06:08,960
switched backgrounds earlier oh yeah

184
00:06:13,430 --> 00:06:11,199
yeah no i i was there and i said that's

185
00:06:14,870 --> 00:06:13,440
your domain i'm right here yeah yeah

186
00:06:16,230 --> 00:06:14,880
new york is much like so this is my

187
00:06:18,150 --> 00:06:16,240
first time in new york and toronto kind

188
00:06:20,390 --> 00:06:18,160

of look like yes yeah yeah new york is

189

00:06:22,469 --> 00:06:20,400

far greater i've only been to toronto

190

00:06:24,550 --> 00:06:22,479

for like two hours

191

00:06:26,629 --> 00:06:24,560

three hours but i remember thinking

192

00:06:29,189 --> 00:06:26,639

this is eerily similar to new york it's

193

00:06:31,270 --> 00:06:29,199

a moderately cleaner new york and a hey

194

00:06:32,550 --> 00:06:31,280

drastic than a drastically smaller new

195

00:06:33,749 --> 00:06:32,560

york

196

00:06:36,150 --> 00:06:33,759

well i guess

197

00:06:37,749 --> 00:06:36,160

the two major topics i want to talk to

198

00:06:41,110 --> 00:06:37,759

you about

199

00:06:43,909 --> 00:06:41,120

are ufos

200

00:06:46,710 --> 00:06:43,919

or or uaps as they're now called

201
00:06:48,950 --> 00:06:46,720
and consciousness sure

202
00:06:51,350 --> 00:06:48,960
so which order do you want to take these

203
00:06:52,710 --> 00:06:51,360
in maybe maybe let's start with ufos oh

204
00:06:54,550 --> 00:06:52,720
sure sure

205
00:06:56,230 --> 00:06:54,560
uh

206
00:06:58,230 --> 00:06:56,240
and this is a you know for anyone

207
00:06:59,909 --> 00:06:58,240
interested in this topic your your

208
00:07:02,070 --> 00:06:59,919
podcast

209
00:07:04,950 --> 00:07:02,080
is a major resource because you've

210
00:07:06,230 --> 00:07:04,960
talked to so many different people

211
00:07:07,909 --> 00:07:06,240
uh

212
00:07:08,710 --> 00:07:07,919
about this topic

213
00:07:10,150 --> 00:07:08,720

and

214

00:07:13,430 --> 00:07:10,160
i've i don't think i've ever talked

215

00:07:17,189 --> 00:07:13,440
about this on my podcast but

216

00:07:19,670 --> 00:07:17,199
basically what i believe has happened is

217

00:07:22,710 --> 00:07:19,680
three to four years ago

218

00:07:25,510 --> 00:07:22,720
ufos were a topic that

219

00:07:26,710 --> 00:07:25,520
marked you as crazy

220

00:07:28,469 --> 00:07:26,720
and

221

00:07:30,629 --> 00:07:28,479
really

222

00:07:32,230 --> 00:07:30,639
anyone interested in them would be

223

00:07:37,110 --> 00:07:32,240
dismissed

224

00:07:39,270 --> 00:07:37,120
is because people like me who weren't

225

00:07:42,150 --> 00:07:39,280
deeply into the topic

226

00:07:43,430 --> 00:07:42,160

you know i'd seen the videos of

227

00:07:45,270 --> 00:07:43,440

things that looked essentially like

228

00:07:47,270 --> 00:07:45,280

flying saucers

229

00:07:49,589 --> 00:07:47,280

caught on cameras

230

00:07:51,510 --> 00:07:49,599

on youtube and elsewhere

231

00:07:54,230 --> 00:07:51,520

but

232

00:07:55,830 --> 00:07:54,240

because the the the us government had

233

00:07:59,189 --> 00:07:55,840

never

234

00:08:00,550 --> 00:07:59,199

given a rubber stamp to these

235

00:08:02,790 --> 00:08:00,560

videos

236

00:08:04,390 --> 00:08:02,800

what i think many people assumed was

237

00:08:05,909 --> 00:08:04,400

that there must be some other

238

00:08:06,950 --> 00:08:05,919

explanation

239

00:08:09,270 --> 00:08:06,960

that

240

00:08:10,830 --> 00:08:09,280

folks high up

241

00:08:14,629 --> 00:08:10,840

uh

242

00:08:17,510 --> 00:08:14,639

believes as for for example that

243

00:08:20,150 --> 00:08:17,520

the camera was glitching out or that it

244

00:08:22,070 --> 00:08:20,160

it wasn't actually an aircraft it was

245

00:08:24,230 --> 00:08:22,080

something else that just looks like an

246

00:08:26,629 --> 00:08:24,240

aircraft some atmospheric effects some

247

00:08:30,230 --> 00:08:26,639

atmosphere yeah like a rare event of

248

00:08:32,550 --> 00:08:30,240

ball lightning right ball lightning or

249

00:08:34,310 --> 00:08:32,560

whatever and

250

00:08:37,110 --> 00:08:34,320

uh or or it's

251

00:08:40,469 --> 00:08:37,120

or it's a us military

252

00:08:42,230 --> 00:08:40,479

actually a us military device that the

253

00:08:44,630 --> 00:08:42,240

government is keeping secret it was a

254

00:08:46,070 --> 00:08:44,640

military test or it was russian or

255

00:08:47,750 --> 00:08:46,080

chinese

256

00:08:49,430 --> 00:08:47,760

and we just i just assumed whatever the

257

00:08:51,030 --> 00:08:49,440

explanation is

258

00:08:51,910 --> 00:08:51,040

you know the people at the pentagon have

259

00:08:58,710 --> 00:08:51,920

it

260

00:09:01,509 --> 00:08:58,720

and um and on the tinfoil hat crowd on

261

00:09:02,630 --> 00:09:01,519

the internet is is reading into it

262

00:09:03,910 --> 00:09:02,640

uh

263

00:09:07,350 --> 00:09:03,920

and then

264

00:09:09,269 --> 00:09:07,360
you know in the past two years

265

00:09:10,310 --> 00:09:09,279
that whole

266

00:09:13,190 --> 00:09:10,320
uh

267

00:09:14,870 --> 00:09:13,200
type of dismissal is no longer really

268

00:09:16,550 --> 00:09:14,880
possible to make

269

00:09:17,350 --> 00:09:16,560
because

270

00:09:18,389 --> 00:09:17,360
uh

271

00:09:20,470 --> 00:09:18,399
you know

272

00:09:22,389 --> 00:09:20,480
the the videos especially the ones from

273

00:09:23,829 --> 00:09:22,399
the navy

274

00:09:26,310 --> 00:09:23,839
there are at least three different

275

00:09:28,790 --> 00:09:26,320
videos i've seen that have been released

276

00:09:30,070 --> 00:09:28,800

that were taken by navy

277

00:09:32,150 --> 00:09:30,080

pilots

278

00:09:33,750 --> 00:09:32,160

aircrafts where they're seeing something

279

00:09:36,070 --> 00:09:33,760

that looks

280

00:09:38,710 --> 00:09:36,080

you know exactly like our stereotype of

281

00:09:40,389 --> 00:09:38,720

a ufo and they're saying

282

00:09:41,990 --> 00:09:40,399

what the [h__\h] is this

283

00:09:43,509 --> 00:09:42,000

and then

284

00:09:45,350 --> 00:09:43,519

you know our folks

285

00:09:48,150 --> 00:09:45,360

at the us government have looked at it

286

00:09:51,430 --> 00:09:48,160

every which way and their conclusion is

287

00:09:54,790 --> 00:09:51,440

what the [h__\h] is this right they they

288

00:09:56,550 --> 00:09:54,800

they are as confused and interested as

289

00:09:59,030 --> 00:09:56,560

people i would have dismissed three

290

00:10:01,590 --> 00:09:59,040

years ago as a as the conspiracy

291

00:10:04,550 --> 00:10:01,600

theorist and the alien obsessives right

292

00:10:06,630 --> 00:10:04,560

so that's basically

293

00:10:08,550 --> 00:10:06,640

that's sort of the c shift as i see it

294

00:10:10,470 --> 00:10:08,560

is that how you see it yeah except i

295

00:10:11,750 --> 00:10:10,480

wouldn't say that the shift is such that

296

00:10:14,310 --> 00:10:11,760

if you were to talk about it you're not

297

00:10:16,710 --> 00:10:14,320

deemed to be a loon of some sort there

298

00:10:19,269 --> 00:10:16,720

are still people like bill nye and neil

299

00:10:21,190 --> 00:10:19,279

degrasse tyson and michael shermer who

300

00:10:22,470 --> 00:10:21,200

either explicitly state that if you're

301
00:10:24,710 --> 00:10:22,480
jumping to the conclusion that this

302
00:10:27,670 --> 00:10:24,720
isn't a terrestrial phenomenon

303
00:10:29,350 --> 00:10:27,680
then you're insensate and you should be

304
00:10:30,870 --> 00:10:29,360
following only what where the evidence

305
00:10:32,630 --> 00:10:30,880
leads you

306
00:10:33,990 --> 00:10:32,640
so and there's compilations of this so

307
00:10:36,150 --> 00:10:34,000
for example

308
00:10:37,269 --> 00:10:36,160
i recently requested someone to come up

309
00:10:39,030 --> 00:10:37,279
with a compilation of this because i

310
00:10:40,790 --> 00:10:39,040
didn't see the exact words for a while

311
00:10:43,750 --> 00:10:40,800
i've just heard that people like neil

312
00:10:45,990 --> 00:10:43,760
degrasse tyson etc have

313
00:10:46,949 --> 00:10:46,000

despised the ufo community anyway

314

00:10:49,829 --> 00:10:46,959

there's this

315

00:10:51,910 --> 00:10:49,839

twitter account named tupac cabra

316

00:10:53,670 --> 00:10:51,920

ii so tupac cobra number two and he

317

00:10:56,630 --> 00:10:53,680

released this whole clip so people can

318

00:10:58,550 --> 00:10:56,640

watch then see that yes there is a shift

319

00:11:00,790 --> 00:10:58,560

it seems to be in the general population

320

00:11:03,509 --> 00:11:00,800

but in the people who are the supposedly

321

00:11:07,750 --> 00:11:03,519

the purveyors of rational scientific

322

00:11:10,069 --> 00:11:07,760

mindsets they tend to still dis esteem

323

00:11:12,230 --> 00:11:10,079

yeah so i i'm not

324

00:11:15,350 --> 00:11:12,240

so so

325

00:11:17,350 --> 00:11:15,360

there's one question which is

326

00:11:19,750 --> 00:11:17,360

are ufos real

327

00:11:22,389 --> 00:11:19,760

as in unidentified flying objects are

328

00:11:25,030 --> 00:11:22,399

they really ufos are they really

329

00:11:27,110 --> 00:11:25,040

you know now they call them unidentified

330

00:11:29,030 --> 00:11:27,120

aerial phenomena because

331

00:11:31,030 --> 00:11:29,040

precisely because they are real and

332

00:11:34,230 --> 00:11:31,040

don't don't want to give them the sort

333

00:11:36,550 --> 00:11:34,240

of stigma of the phrase ufo

334

00:11:37,670 --> 00:11:36,560

so there's that we know they're real at

335

00:11:39,430 --> 00:11:37,680

this point

336

00:11:41,110 --> 00:11:39,440

essentially i mean

337

00:11:42,470 --> 00:11:41,120

all the evidence points that way

338

00:11:44,710 --> 00:11:42,480

everyone

339

00:11:47,590 --> 00:11:44,720

seems to think that very credible people

340

00:11:49,430 --> 00:11:47,600

from barack obama to right you know john

341

00:11:51,030 --> 00:11:49,440

brennan

342

00:11:53,030 --> 00:11:51,040

think this that they're real and then

343

00:11:55,990 --> 00:11:53,040

there's the the further question of what

344

00:11:58,710 --> 00:11:56,000

they are right where they're from and

345

00:12:01,430 --> 00:11:58,720

that seems to me still unanswered

346

00:12:03,990 --> 00:12:01,440

but the the likelihood that it is they

347

00:12:06,389 --> 00:12:04,000

they are extraterrestrial

348

00:12:07,190 --> 00:12:06,399

epistemically i think that's gone up for

349

00:12:09,110 --> 00:12:07,200

me

350

00:12:10,790 --> 00:12:09,120

in the past two years i i wouldn't

351
00:12:12,550 --> 00:12:10,800
venture to say it's anything close to a

352
00:12:14,150 --> 00:12:12,560
certainty or anything

353
00:12:15,750 --> 00:12:14,160
like that but

354
00:12:19,350 --> 00:12:15,760
it becomes

355
00:12:21,910 --> 00:12:19,360
harder and harder to believe that

356
00:12:23,509 --> 00:12:21,920
these are you know made

357
00:12:25,030 --> 00:12:23,519
on earth

358
00:12:27,030 --> 00:12:25,040
and um

359
00:12:29,990 --> 00:12:27,040
and less and less crazy to

360
00:12:33,030 --> 00:12:30,000
to put into the ring the hypothesis that

361
00:12:35,910 --> 00:12:33,040
they are from extraterrestrials so i

362
00:12:37,670 --> 00:12:35,920
mean how convinced are you at this point

363
00:12:42,389 --> 00:12:37,680

that

364

00:12:45,269 --> 00:12:42,399

navy videos and so forth

365

00:12:46,710 --> 00:12:45,279

are extraterrestrial in origin no one

366

00:12:48,710 --> 00:12:46,720

piece of evidence of someone may say

367

00:12:49,430 --> 00:12:48,720

well what evidence exists

368

00:12:50,310 --> 00:12:49,440

and

369

00:12:52,310 --> 00:12:50,320

well

370

00:12:54,550 --> 00:12:52,320

that's a tough question no one piece of

371

00:12:56,790 --> 00:12:54,560

evidence is what convinces me and i'm

372

00:12:58,949 --> 00:12:56,800

also in a similar position where i'm

373

00:13:00,870 --> 00:12:58,959

i remain unconvinced as to any specific

374

00:13:03,190 --> 00:13:00,880

explanation is it something that's

375

00:13:05,590 --> 00:13:03,200

related to

376

00:13:07,509 --> 00:13:05,600

a being or beings from other places

377

00:13:10,230 --> 00:13:07,519

coming toward earth that aren't

378

00:13:12,069 --> 00:13:10,240

originated on earth some hypothesis some

379

00:13:13,990 --> 00:13:12,079

hypotheses are that

380

00:13:16,069 --> 00:13:14,000

they're future humans coming back for

381

00:13:18,389 --> 00:13:16,079

some reason so they're closed time-like

382

00:13:19,750 --> 00:13:18,399

curves in physics you may call it that

383

00:13:20,870 --> 00:13:19,760

and i don't know about that because

384

00:13:23,829 --> 00:13:20,880

there are some contradictions with

385

00:13:26,790 --> 00:13:23,839

closed timeline curves but it seems like

386

00:13:30,230 --> 00:13:26,800

the standard response is hey we see some

387

00:13:32,870 --> 00:13:30,240

object in the sky it's called u-f-o or

388

00:13:34,870 --> 00:13:32,880

u-a-p for a reason it's unidentified to

389

00:13:37,910 --> 00:13:34,880

make the leap that therefore aliens is a

390

00:13:39,110 --> 00:13:37,920

is a large leap and that's true however

391

00:13:41,110 --> 00:13:39,120

and that's what i hear neil degrasse

392

00:13:43,350 --> 00:13:41,120

tyson etc and i keep picking on him but

393

00:13:45,750 --> 00:13:43,360

it's a bit unfair for me to do so

394

00:13:48,470 --> 00:13:45,760

he's the poster child of this so let me

395

00:13:50,389 --> 00:13:48,480

just use him as a scapegoat for now

396

00:13:52,790 --> 00:13:50,399

so people like neil degrasse tyson would

397

00:13:55,269 --> 00:13:52,800

say that yeah that's that's a

398

00:13:57,110 --> 00:13:55,279

unscientific leap however it's not

399

00:13:58,629 --> 00:13:57,120

simply that we see some objects in the

400

00:14:00,230 --> 00:13:58,639

sky and then we say it's aliens it's

401
00:14:01,990 --> 00:14:00,240
that there's a variety of correlations

402
00:14:03,829 --> 00:14:02,000
with them so they're correlated you see

403
00:14:05,670 --> 00:14:03,839
some object in the sky then you see

404
00:14:07,829 --> 00:14:05,680
cattle mutilations directly afterward

405
00:14:08,949 --> 00:14:07,839
and no single person see for crop

406
00:14:11,030 --> 00:14:08,959
circles there have been people who have

407
00:14:12,629 --> 00:14:11,040
been caught and there are

408
00:14:14,629 --> 00:14:12,639
hundreds if not thousands of cattle

409
00:14:16,389 --> 00:14:14,639
mutilations which where

410
00:14:18,470 --> 00:14:16,399
cows are drained of blood

411
00:14:20,310 --> 00:14:18,480
and investigated with surgeon-like

412
00:14:22,790 --> 00:14:20,320
precision with lasers and so on it seems

413
00:14:24,710 --> 00:14:22,800

like laser cuts certain organs are

414

00:14:26,710 --> 00:14:24,720
removed

415

00:14:29,430 --> 00:14:26,720
in a manner that vets don't know how the

416

00:14:30,710 --> 00:14:29,440
heck that could be explained and that's

417

00:14:33,750 --> 00:14:30,720
seen

418

00:14:36,790 --> 00:14:33,760
close to before or after or during

419

00:14:38,310 --> 00:14:36,800
these cattle mutilation the

420

00:14:39,990 --> 00:14:38,320
objects in the sky so that's one

421

00:14:42,629 --> 00:14:40,000
correlation another one is that then

422

00:14:44,629 --> 00:14:42,639
there's also people who report

423

00:14:46,710 --> 00:14:44,639
being spoken to by these means or seeing

424

00:14:48,870 --> 00:14:46,720
them then there's also the correlation

425

00:14:50,230 --> 00:14:48,880
that and these are also disparate people

426
00:14:53,269 --> 00:14:50,240
so people who could not have come in

427
00:14:54,870 --> 00:14:53,279
contact with one another so someone

428
00:14:57,430 --> 00:14:54,880
let's say

429
00:14:58,470 --> 00:14:57,440
thinks they were abducted

430
00:15:00,629 --> 00:14:58,480
and

431
00:15:02,150 --> 00:15:00,639
someone else from far away also saw a

432
00:15:03,829 --> 00:15:02,160
craft and these two people have not

433
00:15:05,750 --> 00:15:03,839
communicated so you can't simply say

434
00:15:08,069 --> 00:15:05,760
it's mass hallucination and by the way

435
00:15:10,230 --> 00:15:08,079
this term mass hallucination it's not a

436
00:15:12,389 --> 00:15:10,240
scientific term because in order for it

437
00:15:14,710 --> 00:15:12,399
to be a scientific construct it needs to

438
00:15:17,110 --> 00:15:14,720

be a reliable one that can be repeated

439

00:15:19,350 --> 00:15:17,120

but the mass hallucinations aren't in

440

00:15:21,110 --> 00:15:19,360

fact i was speaking to someone not on

441

00:15:22,710 --> 00:15:21,120

the podcast over email about this term

442

00:15:24,389 --> 00:15:22,720

someone who studies mass hallucinations

443

00:15:25,670 --> 00:15:24,399

he doesn't think it actually happens he

444

00:15:27,590 --> 00:15:25,680

thinks that

445

00:15:30,550 --> 00:15:27,600

well we can get into that later yeah so

446

00:15:34,150 --> 00:15:30,560

i just wanna so i i know less i haven't

447

00:15:35,910 --> 00:15:34,160

looked deeply into the phenom phenomenon

448

00:15:39,590 --> 00:15:35,920

you're talking about i've looked into

449

00:15:40,389 --> 00:15:39,600

ufos and uads and i've heard

450

00:15:43,509 --> 00:15:40,399

sorry

451
00:15:45,509 --> 00:15:43,519
ufo and uaps but but the the cattle

452
00:15:47,670 --> 00:15:45,519
mutilations and

453
00:15:49,990 --> 00:15:47,680
the you know the injuries

454
00:15:52,629 --> 00:15:50,000
that people think couldn't

455
00:15:54,710 --> 00:15:52,639
can't be man-made injuries

456
00:15:56,870 --> 00:15:54,720
this is something it's it's very hard

457
00:15:58,389 --> 00:15:56,880
for me to know what to think about this

458
00:15:59,990 --> 00:15:58,399
because

459
00:16:02,150 --> 00:16:00,000
um

460
00:16:04,629 --> 00:16:02,160
you know they're i'm just aware of how

461
00:16:07,110 --> 00:16:04,639
many hoaxes there are in the world

462
00:16:09,509 --> 00:16:07,120
and i'm i'm

463
00:16:11,430 --> 00:16:09,519

i'm also aware of the phenomenon of

464

00:16:14,150 --> 00:16:11,440

social contagion which i'm you're

465

00:16:15,110 --> 00:16:14,160

talking about mass hallucinations

466

00:16:17,829 --> 00:16:15,120

which

467

00:16:20,949 --> 00:16:17,839

you know i i think i actually

468

00:16:23,509 --> 00:16:20,959

do believe in in mass hallucinations in

469

00:16:24,629 --> 00:16:23,519

the sense of you know we know that there

470

00:16:26,550 --> 00:16:24,639

are

471

00:16:28,870 --> 00:16:26,560

many examples through throughout history

472

00:16:30,069 --> 00:16:28,880

and in the present of social contagion

473

00:16:31,269 --> 00:16:30,079

phenomenon

474

00:16:33,509 --> 00:16:31,279

where

475

00:16:35,670 --> 00:16:33,519

you know an idea

476

00:16:38,150 --> 00:16:35,680

sort of just travels from one person to

477

00:16:39,990 --> 00:16:38,160

the next without real basis right it's

478

00:16:42,150 --> 00:16:40,000

like the the school

479

00:16:44,069 --> 00:16:42,160

that where everyone you know like half

480

00:16:46,629 --> 00:16:44,079

the school got hiccups

481

00:16:48,629 --> 00:16:46,639

um a few years ago

482

00:16:50,870 --> 00:16:48,639

and it was it was a social like they

483

00:16:52,150 --> 00:16:50,880

didn't all get chronic hiccups there was

484

00:16:53,990 --> 00:16:52,160

just this

485

00:16:55,749 --> 00:16:54,000

kind of brain worm that leapt from

486

00:16:57,670 --> 00:16:55,759

person to person

487

00:16:59,749 --> 00:16:57,680

um you know recently there was an

488

00:17:01,350 --> 00:16:59,759

atlantic article about people on

489

00:17:03,910 --> 00:17:01,360

tick-tock

490

00:17:05,990 --> 00:17:03,920

getting tourettes especially girls

491

00:17:08,390 --> 00:17:06,000

did you see this i heard about this yes

492

00:17:11,110 --> 00:17:08,400

like they don't have they don't

493

00:17:13,429 --> 00:17:11,120

their tourette's is caused by the

494

00:17:16,069 --> 00:17:13,439

psychology of

495

00:17:20,069 --> 00:17:16,079

you know subconsciously admiring other

496

00:17:21,990 --> 00:17:20,079

tourette's tick-tock influencers and

497

00:17:24,309 --> 00:17:22,000

you know without really

498

00:17:28,069 --> 00:17:24,319

consciously trying to adopting the

499

00:17:30,070 --> 00:17:28,079

symptomology of of tourette's

500

00:17:31,190 --> 00:17:30,080

without the actually uh the actual

501
00:17:34,789 --> 00:17:31,200
underlying

502
00:17:35,750 --> 00:17:34,799
sort of typical tourette's condition and

503
00:17:38,549 --> 00:17:35,760
when

504
00:17:40,630 --> 00:17:38,559
you know it's it's really no stranger

505
00:17:41,830 --> 00:17:40,640
than than the placebo effect it's like

506
00:17:46,310 --> 00:17:41,840
why do we

507
00:17:47,669 --> 00:17:46,320
take a sugar pill that's actually deeply

508
00:17:49,909 --> 00:17:47,679
strange

509
00:17:52,950 --> 00:17:49,919
how how much

510
00:17:56,070 --> 00:17:52,960
psychology and and suggestion

511
00:17:57,430 --> 00:17:56,080
right can actually influence your real

512
00:18:00,310 --> 00:17:57,440
experience

513
00:18:04,630 --> 00:18:01,909

being

514

00:18:05,909 --> 00:18:04,640

very interested in social contagion

515

00:18:09,430 --> 00:18:05,919

phenomena

516

00:18:12,950 --> 00:18:09,440

um

517

00:18:16,150 --> 00:18:12,960

i i'm less skeptical than you are of the

518

00:18:17,830 --> 00:18:16,160

possibility that many of these

519

00:18:20,310 --> 00:18:17,840

uh many

520

00:18:24,230 --> 00:18:20,320

of these sightings are

521

00:18:26,390 --> 00:18:24,240

uh you know people that have

522

00:18:29,029 --> 00:18:26,400

they've seen movies or they've they've

523

00:18:32,150 --> 00:18:29,039

heard things about ufo and and

524

00:18:34,070 --> 00:18:32,160

it gets sort of reproduced for them in

525

00:18:36,150 --> 00:18:34,080

what they see i'm not saying that is

526

00:18:37,909 --> 00:18:36,160

what it is i'm saying i don't dismiss

527

00:18:39,029 --> 00:18:37,919

that possibility

528

00:18:43,029 --> 00:18:39,039

yeah

529

00:18:44,789 --> 00:18:43,039

can exist for

530

00:18:46,710 --> 00:18:44,799

i i don't like to put numbers on it but

531

00:18:48,310 --> 00:18:46,720

let's imagine it's 90

532

00:18:50,150 --> 00:18:48,320

and then i don't like to say that well

533

00:18:51,190 --> 00:18:50,160

who knows well then the remaining 10

534

00:18:52,470 --> 00:18:51,200

well that's still extraordinary well

535

00:18:54,070 --> 00:18:52,480

that remaining 10 could still be

536

00:18:54,870 --> 00:18:54,080

explained with

537

00:19:01,669 --> 00:18:54,880

i

538

00:19:03,750 --> 00:19:01,679

someone saw a craft from far away

539

00:19:05,190 --> 00:19:03,760

and then someone else saw

540

00:19:06,549 --> 00:19:05,200

another craft and they

541

00:19:08,630 --> 00:19:06,559

are extremely similar in their

542

00:19:11,190 --> 00:19:08,640

descriptions and this happens

543

00:19:13,510 --> 00:19:11,200

with people who we would consider to be

544

00:19:15,190 --> 00:19:13,520

highly credible in any other situation

545

00:19:16,950 --> 00:19:15,200

in such a manner that if

546

00:19:18,789 --> 00:19:16,960

we were to have a court of law and

547

00:19:20,789 --> 00:19:18,799

sentence someone to

548

00:19:22,070 --> 00:19:20,799

sometimes even death for murdering

549

00:19:24,230 --> 00:19:22,080

someone because you had a set of

550

00:19:25,190 --> 00:19:24,240

witnesses but without any physical

551
00:19:27,430 --> 00:19:25,200
evidence i don't think that would be the

552
00:19:30,789 --> 00:19:27,440
case in capital punishment but

553
00:19:34,310 --> 00:19:33,110
a variety of corroborating witnesses of

554
00:19:36,230 --> 00:19:34,320
a certain credibility would be

555
00:19:37,669 --> 00:19:36,240
sufficient to send someone to the

556
00:19:40,789 --> 00:19:37,679
jailhouse for

557
00:19:43,510 --> 00:19:40,799
an indeterminate amount of time we then

558
00:19:46,070 --> 00:19:43,520
don't believe these people

559
00:19:47,750 --> 00:19:46,080
who study crafts people are pilots

560
00:19:50,390 --> 00:19:47,760
themselves

561
00:19:51,909 --> 00:19:50,400
who have seen them maneuver in the same

562
00:19:54,470 --> 00:19:51,919
way that's another correlation it's not

563
00:19:56,230 --> 00:19:54,480

like they just maneuver

564

00:19:57,990 --> 00:19:56,240

in a variable manner there's some

565

00:20:00,070 --> 00:19:58,000

uncertainty to how they move but it's

566

00:20:00,870 --> 00:20:00,080

also still correlated like they move in

567

00:20:05,029 --> 00:20:00,880

a

568

00:20:09,110 --> 00:20:05,039

in

569

00:20:11,190 --> 00:20:09,120

that's odd i wouldn't classify that you

570

00:20:13,510 --> 00:20:11,200

mentioned earlier what's behind the ufos

571

00:20:18,149 --> 00:20:13,520

are real that's interesting

572

00:20:22,470 --> 00:20:19,909

see in physics if you had an unknown

573

00:20:23,909 --> 00:20:22,480

particle an unidentified particle

574

00:20:25,350 --> 00:20:23,919

so we don't know what this particle is

575

00:20:27,110 --> 00:20:25,360

but then you see how it behaves with

576

00:20:29,350 --> 00:20:27,120

other particles so you see it's

577

00:20:31,029 --> 00:20:29,360

correlation you would need six sigma so

578

00:20:33,110 --> 00:20:31,039

extreme amount of data in order for you

579

00:20:35,590 --> 00:20:33,120

to call it a particle anyway for you to

580

00:20:38,470 --> 00:20:35,600

give it a name but the general idea is

581

00:20:39,430 --> 00:20:38,480

that you have a variety of correlations

582

00:20:41,750 --> 00:20:39,440

then you

583

00:20:43,909 --> 00:20:41,760

classify it as quote unquote real or a

584

00:20:45,270 --> 00:20:43,919

construct in social sciences that bar is

585

00:20:46,470 --> 00:20:45,280

much lower i believe it's something like

586

00:20:48,470 --> 00:20:46,480

five percent

587

00:20:50,310 --> 00:20:48,480

uncertainty and what i'm telling you

588

00:20:52,390 --> 00:20:50,320

about here is that there's the

589

00:20:54,630 --> 00:20:52,400

correlation of also certain damage to

590

00:20:56,870 --> 00:20:54,640

people who are close to the craft that

591

00:20:59,350 --> 00:20:56,880

are all similar the hitchhiker effect

592

00:21:00,470 --> 00:20:59,360

which means that certain

593

00:21:02,070 --> 00:21:00,480

quote unquote

594

00:21:03,909 --> 00:21:02,080

paranormal phenomenon follow these

595

00:21:05,270 --> 00:21:03,919

people afterward and not these aren't

596

00:21:08,230 --> 00:21:05,280

people who

597

00:21:10,149 --> 00:21:08,240

are necessarily spiritual or religious

598

00:21:11,830 --> 00:21:10,159

so that's like absolutely freaky that's

599

00:21:13,430 --> 00:21:11,840

why

600

00:21:14,230 --> 00:21:13,440

i've had to take a break from studying

601
00:21:15,750 --> 00:21:14,240
this

602
00:21:17,110 --> 00:21:15,760
phenomenon by the way it's called the

603
00:21:20,470 --> 00:21:17,120
phenomenon because it's not just

604
00:21:22,390 --> 00:21:20,480
relegated to alien life it seems to be

605
00:21:23,750 --> 00:21:22,400
blurred in some manner

606
00:21:25,190 --> 00:21:23,760
i had to take a break from studying

607
00:21:27,990 --> 00:21:25,200
consciousness in this and this

608
00:21:30,230 --> 00:21:28,000
phenomenon because it's it's it's

609
00:21:33,029 --> 00:21:30,240
extremely destabilizing

610
00:21:33,909 --> 00:21:33,039
i have such uncertainty in my world

611
00:21:35,029 --> 00:21:33,919
view

612
00:21:38,470 --> 00:21:35,039
that

613
00:21:40,070 --> 00:21:38,480

somewhat adrift whenever i study these

614

00:21:42,789 --> 00:21:40,080

topics

615

00:21:45,110 --> 00:21:42,799

and and it's not a pleasant place at all

616

00:21:46,710 --> 00:21:45,120

it's this is extremely not pleasant

617

00:21:50,470 --> 00:21:46,720

so

618

00:21:52,630 --> 00:21:50,480

you might need to change a profession

619

00:21:53,669 --> 00:21:52,640

yeah or at least a strong break or

620

00:21:55,669 --> 00:21:53,679

change your

621

00:21:57,669 --> 00:21:55,679

topic on your podcast so mathematics and

622

00:21:58,710 --> 00:21:57,679

physics

623

00:22:00,470 --> 00:21:58,720

calms me

624

00:22:01,990 --> 00:22:00,480

to such a large degree because it's so

625

00:22:03,110 --> 00:22:02,000

analytical

626

00:22:04,070 --> 00:22:03,120

and so i've been studying math and

627

00:22:06,230 --> 00:22:04,080

physics

628

00:22:07,750 --> 00:22:06,240

lately for the podcast okay podcast

629

00:22:10,230 --> 00:22:07,760

again it's about theories of everything

630

00:22:12,230 --> 00:22:10,240

which is a physics terminology but then

631

00:22:14,549 --> 00:22:12,240

i'm interested in consciousness because

632

00:22:16,950 --> 00:22:14,559

it may have a

633

00:22:19,029 --> 00:22:16,960

constitutive role to play in reality so

634

00:22:20,230 --> 00:22:19,039

there's something called idealism most

635

00:22:23,110 --> 00:22:20,240

scientists

636

00:22:24,950 --> 00:22:23,120

think of themselves as materialists

637

00:22:28,710 --> 00:22:24,960

i'm sure you've heard this term i'm sure

638

00:22:30,549 --> 00:22:28,720

your audience has heard of this term

639

00:22:32,870 --> 00:22:30,559

and then someone to the opposite end of

640

00:22:34,230 --> 00:22:32,880

materialism some materialism says that

641

00:22:35,510 --> 00:22:34,240

it's something like dead matter that

642

00:22:36,789 --> 00:22:35,520

makes up the world and then

643

00:22:38,950 --> 00:22:36,799

consciousness is a phenom an

644

00:22:40,789 --> 00:22:38,960

epiphenomenon that occurs atop from

645

00:22:44,630 --> 00:22:40,799

information processing

646

00:22:46,789 --> 00:22:44,640

that's the consensus

647

00:22:49,590 --> 00:22:46,799

the other side is idealism which says

648

00:22:51,190 --> 00:22:49,600

that consciousness is fundamental

649

00:22:52,390 --> 00:22:51,200

consciousness is actually

650

00:22:54,390 --> 00:22:52,400

what is at the root it's not

651
00:22:57,750 --> 00:22:54,400
consciousness that needs to be explained

652
00:23:00,549 --> 00:22:57,760
it's material that needs to be explained

653
00:23:01,830 --> 00:23:00,559
and if so then all of these

654
00:23:04,070 --> 00:23:01,840
phenomena that you mentioned like the

655
00:23:06,390 --> 00:23:04,080
placebo effect makes sense and this is

656
00:23:08,630 --> 00:23:06,400
another reason why i don't condescend or

657
00:23:11,750 --> 00:23:08,640
despise people who are religious

658
00:23:13,750 --> 00:23:11,760
i i used to man i used to be a militant

659
00:23:17,029 --> 00:23:13,760
atheist up until about three years ago

660
00:23:18,870 --> 00:23:17,039
or so i'm so much more open to god

661
00:23:20,789 --> 00:23:18,880
and to religious stories as having an

662
00:23:22,549 --> 00:23:20,799
element of literal truth to them not

663
00:23:24,710 --> 00:23:22,559

just metaphorical truth

664

00:23:25,830 --> 00:23:24,720

i don't see it as so strange that

665

00:23:28,950 --> 00:23:25,840

there's some

666

00:23:30,070 --> 00:23:28,960

being that out of love maybe and maybe

667

00:23:32,230 --> 00:23:30,080

that's a bit

668

00:23:34,310 --> 00:23:32,240

woo but some being that created this

669

00:23:36,310 --> 00:23:34,320

world created us

670

00:23:39,590 --> 00:23:36,320

i don't see that as being so far-fetched

671

00:23:41,510 --> 00:23:39,600

as much as i used to

672

00:23:42,950 --> 00:23:41,520

and so

673

00:23:45,110 --> 00:23:42,960

i also don't know

674

00:23:46,710 --> 00:23:45,120

this is another odd aspect i don't also

675

00:23:49,510 --> 00:23:46,720

don't know how much of

676
00:23:52,230 --> 00:23:49,520
god becomes true because we believe in

677
00:23:54,149 --> 00:23:52,240
god that the fact that we believe in

678
00:23:56,630 --> 00:23:54,159
something makes it exist because

679
00:23:58,310 --> 00:23:56,640
consciousness and our beliefs have a

680
00:23:59,750 --> 00:23:58,320
constitutive role to play in what we

681
00:24:01,750 --> 00:23:59,760
call reality

682
00:24:02,549 --> 00:24:01,760
i don't see that as being as far-fetched

683
00:24:03,990 --> 00:24:02,559
as

684
00:24:05,350 --> 00:24:04,000
it's so difficult because the question

685
00:24:06,549 --> 00:24:05,360
is well what is reality and how do you

686
00:24:08,870 --> 00:24:06,559
make sense of

687
00:24:11,110 --> 00:24:08,880
that without making a further assumption

688
00:24:13,350 --> 00:24:11,120

so physicalists which are on par with

689

00:24:14,630 --> 00:24:13,360

materialists will say that

690

00:24:16,070 --> 00:24:14,640

well what's the evidence that

691

00:24:17,110 --> 00:24:16,080

consciousness is fundamental well

692

00:24:18,950 --> 00:24:17,120

firstly what's the evidence that

693

00:24:21,990 --> 00:24:18,960

material is fundamental science as an

694

00:24:23,029 --> 00:24:22,000

enterprise is agnostic philosophically

695

00:24:25,830 --> 00:24:23,039

people like to think that it's a

696

00:24:29,990 --> 00:24:28,390

base that has materialism at its base

697

00:24:31,750 --> 00:24:30,000

but it's more instrumental it's more

698

00:24:33,990 --> 00:24:31,760

like if-then statements

699

00:24:35,909 --> 00:24:34,000

we measure this if you do this you then

700

00:24:37,990 --> 00:24:35,919

see this it doesn't say that what's at

701
00:24:39,510 --> 00:24:38,000
the bottom is dead matter because in

702
00:24:41,510 --> 00:24:39,520
order for you to say what's dead you

703
00:24:43,269 --> 00:24:41,520
have to say what's alive and

704
00:24:46,630 --> 00:24:43,279
what's life and what's consciousness is

705
00:24:48,470 --> 00:24:46,640
also a bleary category and so you can't

706
00:24:50,310 --> 00:24:48,480
make an a blurry category and pretend

707
00:24:52,630 --> 00:24:50,320
that that's

708
00:24:53,909 --> 00:24:52,640
a valid construct almost like yeah okay

709
00:24:55,669 --> 00:24:53,919
i'm afraid we're going to lose people i

710
00:24:58,830 --> 00:24:55,679
want to go back to the sort of

711
00:25:02,950 --> 00:24:58,840
root problem of consciousness

712
00:25:05,669 --> 00:25:02,960
um and and try to convey it

713
00:25:06,950 --> 00:25:05,679

how i see it in simple terms and maybe

714

00:25:08,500 --> 00:25:06,960

you can tell me if you see it the same

715

00:25:11,269 --> 00:25:08,510

way

716

00:25:12,870 --> 00:25:11,279

[Music]

717

00:25:16,470 --> 00:25:12,880

basically

718

00:25:18,870 --> 00:25:16,480

we have every reason to believe that

719

00:25:19,990 --> 00:25:18,880

the atoms in our brain

720

00:25:24,310 --> 00:25:20,000

are

721

00:25:26,710 --> 00:25:24,320

this chair

722

00:25:30,789 --> 00:25:26,720

or in my appendix

723

00:25:33,190 --> 00:25:30,799

or in you know the oxygen in this room

724

00:25:36,149 --> 00:25:33,200

and yet we know that there's something

725

00:25:38,230 --> 00:25:36,159

it's like to be this brain

726

00:25:40,789 --> 00:25:38,240

right like there's there's

727

00:25:43,029 --> 00:25:40,799

there's a first person experience to be

728

00:25:45,830 --> 00:25:43,039

had

729

00:25:49,029 --> 00:25:45,840

you know when atoms are assembled

730

00:25:49,990 --> 00:25:49,039

in such a way as to create a human brain

731

00:25:51,590 --> 00:25:50,000

and

732

00:25:53,990 --> 00:25:51,600

we're not so sure that there's something

733

00:25:56,549 --> 00:25:54,000

it's like when atoms are

734

00:25:59,350 --> 00:25:56,559

comprised so as to make this chair

735

00:26:01,909 --> 00:25:59,360

maybe maybe there is but but we we tend

736

00:26:03,990 --> 00:26:01,919

to think that there isn't

737

00:26:05,190 --> 00:26:04,000

and so the question is

738

00:26:08,070 --> 00:26:05,200

how come

739

00:26:09,750 --> 00:26:08,080

when you put atoms together in this way

740

00:26:11,830 --> 00:26:09,760

suddenly there's something it's like to

741

00:26:14,549 --> 00:26:11,840

be that entity

742

00:26:17,110 --> 00:26:14,559

um versus when you put

743

00:26:19,190 --> 00:26:17,120

the same atoms together in a different

744

00:26:21,590 --> 00:26:19,200

configuration there's nothing it's like

745

00:26:25,430 --> 00:26:21,600

to be that entity now the question might

746

00:26:27,750 --> 00:26:25,440

be framed the wrong way but that that to

747

00:26:30,149 --> 00:26:27,760

me is is like the

748

00:26:32,149 --> 00:26:30,159

the basic puzzle how come my appendix

749

00:26:33,909 --> 00:26:32,159

doesn't have an

750

00:26:35,830 --> 00:26:33,919

identity might be too strong a word but

751

00:26:38,070 --> 00:26:35,840

an experience right

752

00:26:39,990 --> 00:26:38,080

from its point of view the way that my

753

00:26:42,310 --> 00:26:40,000

like what's special about the meat in in

754

00:26:43,190 --> 00:26:42,320

the skull it's just meat

755

00:26:44,149 --> 00:26:43,200

right

756

00:26:45,909 --> 00:26:44,159

yeah

757

00:26:48,710 --> 00:26:45,919

well i i don't know do you see it that

758

00:26:50,789 --> 00:26:48,720

way or no no i don't know if

759

00:26:52,950 --> 00:26:50,799

an appendix

760

00:26:54,390 --> 00:26:52,960

has a point of view it may have some low

761

00:26:55,269 --> 00:26:54,400

level point of view if one was to

762

00:26:58,950 --> 00:26:55,279

believe

763

00:27:02,630 --> 00:27:01,269

theories on consciousness which you

764

00:27:04,870 --> 00:27:02,640

mentioned the word first person and

765

00:27:06,310 --> 00:27:04,880

third person we can get to them

766

00:27:07,830 --> 00:27:06,320

which try to study consciousness from a

767

00:27:09,430 --> 00:27:07,840

third person point of view

768

00:27:10,710 --> 00:27:09,440

it seems as though they're

769

00:27:13,029 --> 00:27:10,720

if you follow them and you take them

770

00:27:14,950 --> 00:27:13,039

seriously they're panned psychic

771

00:27:17,110 --> 00:27:14,960

because in some sense this is

772

00:27:18,470 --> 00:27:17,120

interacting with this chair

773

00:27:19,669 --> 00:27:18,480

what what's interacting with this the

774

00:27:21,029 --> 00:27:19,679

atoms here are interacting with the

775

00:27:23,029 --> 00:27:21,039

chairs so firstly

776

00:27:25,430 --> 00:27:23,039

our atoms are not separate they're

777

00:27:26,310 --> 00:27:25,440

overlapping

778

00:27:29,269 --> 00:27:26,320

in

779

00:27:31,110 --> 00:27:29,279

so to say that there's a difference

780

00:27:32,630 --> 00:27:31,120

between this chair and this chair that's

781

00:27:34,310 --> 00:27:32,640

a human construct

782

00:27:36,389 --> 00:27:34,320

and when i say human construct i sound

783

00:27:37,990 --> 00:27:36,399

like a postmodernist

784

00:27:39,350 --> 00:27:38,000

but what i mean is

785

00:27:41,350 --> 00:27:39,360

these words that we're using like first

786

00:27:43,190 --> 00:27:41,360

person third person what it's like to be

787

00:27:45,029 --> 00:27:43,200

quote unquote firstly that's another

788

00:27:46,230 --> 00:27:45,039

synonym for consciousness which we're

789

00:27:47,430 --> 00:27:46,240

trying to define so we then define

790

00:27:49,510 --> 00:27:47,440

consciousness in terms of something else

791

00:27:51,110 --> 00:27:49,520

which we don't understand so we say if

792

00:27:52,230 --> 00:27:51,120

there's an experience of what it's like

793

00:27:54,230 --> 00:27:52,240

what does it mean what it's like and

794

00:27:56,870 --> 00:27:54,240

then we get into a circular definition

795

00:27:58,710 --> 00:27:56,880

of consciousness it may be just that our

796

00:28:01,190 --> 00:27:58,720

words are not developed enough

797

00:28:03,110 --> 00:28:01,200

to capture what consciousness is

798

00:28:05,110 --> 00:28:03,120

it may be that again consciousness is

799

00:28:06,389 --> 00:28:05,120

fundamental so trying to place it in

800

00:28:07,909 --> 00:28:06,399

terms of something that's immaterial

801
00:28:10,389 --> 00:28:07,919
like you mentioned atoms and a kidney

802
00:28:13,029 --> 00:28:10,399
and so on is a wrong

803
00:28:15,269 --> 00:28:13,039
frame to begin with much like asking

804
00:28:16,950 --> 00:28:15,279
how can one make gold out of silver or

805
00:28:18,950 --> 00:28:16,960
silver out of gold before understanding

806
00:28:21,110 --> 00:28:18,960
about nuclear reactions it's it's you

807
00:28:23,269 --> 00:28:21,120
just can't do it it's a chemical

808
00:28:25,110 --> 00:28:23,279
reaction can't do it

809
00:28:26,630 --> 00:28:25,120
so it may be that that's the wrong frame

810
00:28:28,950 --> 00:28:26,640
and we keep thinking that it's the right

811
00:28:30,870 --> 00:28:28,960
frame and then we get into paradoxes

812
00:28:33,269 --> 00:28:30,880
or antinomies like the

813
00:28:35,669 --> 00:28:33,279

hard problem of consciousness

814

00:28:38,149 --> 00:28:35,679

it's a hard problem if one starts with

815

00:28:39,190 --> 00:28:38,159

thinking of the world comprising dead

816

00:28:40,950 --> 00:28:39,200

matter

817

00:28:42,830 --> 00:28:40,960

and it's unclear to me whether or not

818

00:28:46,149 --> 00:28:42,840

our kidneys have

819

00:28:48,149 --> 00:28:46,159

some low grade consciousness so there's

820

00:28:50,310 --> 00:28:48,159

the integrated information theory of

821

00:28:52,549 --> 00:28:50,320

intelligence sorry of consciousness

822

00:28:54,789 --> 00:28:52,559

there's global neuronal workspace

823

00:28:57,190 --> 00:28:54,799

there's spacio temporal

824

00:29:00,070 --> 00:28:57,200

theories of consciousness

825

00:29:00,950 --> 00:29:00,080

adverbial consciousness theories

826

00:29:02,230 --> 00:29:00,960

and

827

00:29:03,830 --> 00:29:02,240

all of these are about matter

828

00:29:06,070 --> 00:29:03,840

interacting with one another and so

829

00:29:07,590 --> 00:29:06,080

there's matter interacting with itself

830

00:29:08,470 --> 00:29:07,600

in our kidney and so that would mean

831

00:29:09,830 --> 00:29:08,480

that

832

00:29:11,430 --> 00:29:09,840

in some sense

833

00:29:12,870 --> 00:29:11,440

the universe has some low level

834

00:29:16,070 --> 00:29:12,880

consciousness

835

00:29:18,230 --> 00:29:16,080

and the developers of iit like tanoni

836

00:29:20,710 --> 00:29:18,240

have

837

00:29:23,590 --> 00:29:20,720

conceded in a sense that

838

00:29:29,430 --> 00:29:24,830

rational

839

00:29:31,909 --> 00:29:29,440

psychism so is panza is pan psychism

840

00:29:34,149 --> 00:29:31,919

um is that everything has some element

841

00:29:36,789 --> 00:29:34,159

of a psychic quality some element of

842

00:29:38,950 --> 00:29:36,799

consciousness correct right so as i said

843

00:29:43,190 --> 00:29:38,960

pan psychism is not it's not really

844

00:29:45,190 --> 00:29:43,200

testable is it nor are almost any

845

00:29:47,750 --> 00:29:45,200

theories about the origin of

846

00:29:50,710 --> 00:29:47,760

consciousness is materialism

847

00:29:54,149 --> 00:29:50,720

right right so so i have

848

00:29:56,549 --> 00:29:54,159

i'm i'm like totally agnostic between

849

00:29:59,669 --> 00:29:56,559

materialist explanations of of

850

00:30:03,029 --> 00:29:59,679

consciousness and and pan psychist

851

00:30:04,870 --> 00:30:03,039

explanations and and in fact

852

00:30:06,230 --> 00:30:04,880

i'm i'm pretty convinced of colin

853

00:30:08,470 --> 00:30:06,240

mcginn's

854

00:30:09,909 --> 00:30:08,480

idea the philosopher column again

855

00:30:11,269 --> 00:30:09,919

which is some kind sometimes called

856

00:30:15,110 --> 00:30:11,279

mysterian

857

00:30:17,909 --> 00:30:15,120

as well oh is that is that right yeah

858

00:30:19,990 --> 00:30:17,919

yeah which is um

859

00:30:21,430 --> 00:30:20,000

you know which you've had chomsky on so

860

00:30:22,870 --> 00:30:21,440

i'm sure you know but for for the

861

00:30:24,310 --> 00:30:22,880

audience

862

00:30:26,870 --> 00:30:24,320

essentially

863

00:30:29,110 --> 00:30:26,880

the point is

864

00:30:31,350 --> 00:30:29,120

human beings were not evolved to

865

00:30:33,590 --> 00:30:31,360

understand

866

00:30:37,430 --> 00:30:33,600

everything in the world it's like

867

00:30:39,269 --> 00:30:37,440

we were evolved to survive and reproduce

868

00:30:40,310 --> 00:30:39,279

on the african savanna

869

00:30:43,669 --> 00:30:40,320

so

870

00:30:45,510 --> 00:30:43,679

we're we're very good at predicting

871

00:30:48,149 --> 00:30:45,520

you know when an object is thrown in the

872

00:30:50,710 --> 00:30:48,159

air that it's going to fall in a

873

00:30:53,350 --> 00:30:50,720

parabolic shape right because that's

874

00:30:55,350 --> 00:30:53,360

that's very that was very useful to us

875

00:30:56,470 --> 00:30:55,360

we're very um

876

00:30:58,950 --> 00:30:56,480

you know there's all kinds of things

877

00:31:00,630 --> 00:30:58,960

we're quite good at we're good at fairly

878

00:31:02,310 --> 00:31:00,640

good at understanding someone else's

879

00:31:03,909 --> 00:31:02,320

intentions like i see a guy with an

880

00:31:05,830 --> 00:31:03,919

angry face going to hit me i can tell

881

00:31:07,669 --> 00:31:05,840

that apart from a guy with a friendly

882

00:31:11,590 --> 00:31:07,679

face

883

00:31:13,750 --> 00:31:11,600

our brains are are built

884

00:31:14,870 --> 00:31:13,760

to solve

885

00:31:17,430 --> 00:31:14,880

all and

886

00:31:20,389 --> 00:31:17,440

only problems that relate

887

00:31:21,990 --> 00:31:20,399

are optimized for that goal of survival

888

00:31:25,669 --> 00:31:22,000

and reproduction in a particular

889

00:31:28,630 --> 00:31:26,950

and

890

00:31:31,590 --> 00:31:28,640

you know just like every other animal in

891

00:31:34,070 --> 00:31:31,600

the in the animal kingdom has

892

00:31:36,710 --> 00:31:34,080

limits to what it can understand

893

00:31:39,750 --> 00:31:36,720

right it's like we we

894

00:31:42,230 --> 00:31:39,760

we understand i can do algebra but but i

895

00:31:45,750 --> 00:31:42,240

can see that a chimp could never

896

00:31:47,750 --> 00:31:45,760

in principle even understand

897

00:31:49,029 --> 00:31:47,760

really algebra

898

00:31:51,110 --> 00:31:49,039

at all

899

00:31:52,630 --> 00:31:51,120

what does it stand to reason that just

900

00:31:54,870 --> 00:31:52,640

because we happen to be the smartest

901
00:31:57,750 --> 00:31:54,880
animals that we know about that there

902
00:31:59,029 --> 00:31:57,760
isn't a whole landscape of

903
00:32:01,350 --> 00:31:59,039
problems

904
00:32:03,669 --> 00:32:01,360
that we stand in relation to the way a

905
00:32:06,310 --> 00:32:03,679
chimpanzee stands in relation to algebra

906
00:32:07,590 --> 00:32:06,320
or i mean the example i i like to use is

907
00:32:09,430 --> 00:32:07,600
more like

908
00:32:12,310 --> 00:32:09,440
an animal that can't understand that its

909
00:32:15,029 --> 00:32:12,320
reflection in a mirror is

910
00:32:16,149 --> 00:32:15,039
itself rather than another animal

911
00:32:18,789 --> 00:32:16,159
um

912
00:32:21,269 --> 00:32:18,799
it's like a a chicken is never in a

913
00:32:23,029 --> 00:32:21,279

million years going to understand that

914

00:32:24,950 --> 00:32:23,039

light can come back

915

00:32:26,789 --> 00:32:24,960

at you the concept of reflection is just

916

00:32:28,230 --> 00:32:26,799

constantly permanently

917

00:32:29,269 --> 00:32:28,240

yeah it's just like it's never going to

918

00:32:31,590 --> 00:32:29,279

get that

919

00:32:32,950 --> 00:32:31,600

it's if it could speak

920

00:32:34,950 --> 00:32:32,960

if we could hear its thoughts when it's

921

00:32:36,149 --> 00:32:34,960

looking at itself in the mirror it would

922

00:32:39,110 --> 00:32:36,159

just be

923

00:32:40,870 --> 00:32:39,120

like a functional yeah and it would be

924

00:32:42,950 --> 00:32:40,880

wait a minute how come this chicken

925

00:32:43,990 --> 00:32:42,960

every time i move it moves and then it

926
00:32:45,430 --> 00:32:44,000
would come up with a whole bunch of

927
00:32:47,029 --> 00:32:45,440
theories much like we do about

928
00:32:49,509 --> 00:32:47,039
consciousness

929
00:32:52,310 --> 00:32:49,519
that none of which actually deeply makes

930
00:32:53,909 --> 00:32:52,320
sense or are satisfying to the chicken

931
00:32:56,310 --> 00:32:53,919
and it would just have to sort of throw

932
00:32:58,310 --> 00:32:56,320
throw its hands up

933
00:33:00,870 --> 00:32:58,320
in in a deep way which is to say there's

934
00:33:02,950 --> 00:33:00,880
lots of mysteries that we've solved like

935
00:33:04,310 --> 00:33:02,960
it's a mystery for 100 years and then we

936
00:33:06,950 --> 00:33:04,320
figure it out

937
00:33:08,630 --> 00:33:06,960
right but there are mysteries that i

938
00:33:11,350 --> 00:33:08,640

believe there are mysteries

939

00:33:14,149 --> 00:33:11,360

that are in principle unsolvable

940

00:33:15,269 --> 00:33:14,159

by beings like us by apes like ourselves

941

00:33:17,269 --> 00:33:15,279

because

942

00:33:19,669 --> 00:33:17,279

they are beyond our ken in the same way

943

00:33:21,990 --> 00:33:19,679

that reflection is beyond the kind of

944

00:33:24,389 --> 00:33:22,000

many animals and its consciousness

945

00:33:27,990 --> 00:33:24,399

strikes me as as precisely this kind of

946

00:33:31,029 --> 00:33:28,000

mystery yeah i oscillate between

947

00:33:32,549 --> 00:33:31,039

that view and also the view of

948

00:33:35,590 --> 00:33:32,559

some people like

949

00:33:37,350 --> 00:33:35,600

so yoshobak likes to say mysterianism is

950

00:33:38,470 --> 00:33:37,360

the philosophical view that unless

951
00:33:40,149 --> 00:33:38,480
there's

952
00:33:41,269 --> 00:33:40,159
that someone as smart as noam chomsky

953
00:33:42,789 --> 00:33:41,279
can't figure it out therefore we can't

954
00:33:44,950 --> 00:33:42,799
all figure it out

955
00:33:46,789 --> 00:33:44,960
so he likes to denigrate chomsky and

956
00:33:47,990 --> 00:33:46,799
just poke and jab him

957
00:33:49,909 --> 00:33:48,000
a bit i'm trying to set up a talk

958
00:33:52,230 --> 00:33:49,919
between them too between the two of them

959
00:33:54,149 --> 00:33:52,240
on the toe channel toes for theories of

960
00:33:56,710 --> 00:33:54,159
everything regardless i oscillate

961
00:33:59,669 --> 00:33:58,230
between thinking it's completely out of

962
00:34:01,509 --> 00:33:59,679
our comprehension just because we're

963
00:34:03,269 --> 00:34:01,519

such limited beings

964

00:34:04,789 --> 00:34:03,279

and also

965

00:34:07,029 --> 00:34:04,799

i actually oscillate between that and

966

00:34:08,710 --> 00:34:07,039

then there's some remarks from

967

00:34:10,389 --> 00:34:08,720

wittgenstein

968

00:34:12,230 --> 00:34:10,399

i think they're called his clarificatory

969

00:34:13,990 --> 00:34:12,240

remarks at least simon christian calls

970

00:34:14,950 --> 00:34:14,000

him that where he said

971

00:34:16,149 --> 00:34:14,960

that

972

00:34:17,750 --> 00:34:16,159

there are aspects of life and he was

973

00:34:18,629 --> 00:34:17,760

referring to consciousness i believe

974

00:34:20,389 --> 00:34:18,639

that are

975

00:34:22,470 --> 00:34:20,399

most important but hidden to us because

976

00:34:24,230 --> 00:34:22,480

of their simplicity and familiarity

977

00:34:26,710 --> 00:34:24,240

much like a fish

978

00:34:28,869 --> 00:34:26,720

doesn't think about water but it's

979

00:34:29,990 --> 00:34:28,879

if it could it would realize it's right

980

00:34:33,990 --> 00:34:30,000

there

981

00:34:35,669 --> 00:34:34,000

behind this all maybe an idea that's so

982

00:34:38,389 --> 00:34:35,679

beautiful and simple

983

00:34:40,389 --> 00:34:38,399

that when we finally

984

00:34:43,669 --> 00:34:40,399

comprehended

985

00:34:45,349 --> 00:34:43,679

a decade a century millennia from now

986

00:34:46,790 --> 00:34:45,359

we will all look at one another and

987

00:34:48,629 --> 00:34:46,800

think

988

00:34:50,869 --> 00:34:48,639

how could it have been any other way and

989

00:34:53,510 --> 00:34:50,879

how could we have been so foolish

990

00:34:55,190 --> 00:34:53,520

not to see it so i don't know and some

991

00:34:57,109 --> 00:34:55,200

of the people who are on the more

992

00:34:59,349 --> 00:34:57,119

eastern end think that it

993

00:35:01,109 --> 00:34:59,359

is what needs the least explaining

994

00:35:02,630 --> 00:35:01,119

consciousness is what's closest to us

995

00:35:04,390 --> 00:35:02,640

it's every single thing else that needs

996

00:35:05,589 --> 00:35:04,400

explaining

997

00:35:07,510 --> 00:35:05,599

someone like what does that actually

998

00:35:08,630 --> 00:35:07,520

mean though what was how does that

999

00:35:11,589 --> 00:35:08,640

actually

1000

00:35:13,349 --> 00:35:11,599

answer the question of

1001

00:35:17,430 --> 00:35:13,359

you know why

1002

00:35:19,430 --> 00:35:17,440

why the meat in my head is conscious and

1003

00:35:21,589 --> 00:35:19,440

you know other collections of atoms

1004

00:35:23,670 --> 00:35:21,599

aren't the way that

1005

00:35:25,750 --> 00:35:23,680

one does that is by questioning that

1006

00:35:27,510 --> 00:35:25,760

assumption that one starts with all that

1007

00:35:29,270 --> 00:35:27,520

you know is of consciousness actually

1008

00:35:30,870 --> 00:35:29,280

that's your fundamental

1009

00:35:32,950 --> 00:35:30,880

that you're that's at the fundament

1010

00:35:34,550 --> 00:35:32,960

that's at the base is consciousness and

1011

00:35:35,829 --> 00:35:34,560

so when we say well we're trying to

1012

00:35:38,310 --> 00:35:35,839

explain consciousness what is

1013

00:35:40,069 --> 00:35:38,320

consciousness it's no what is anything

1014

00:35:41,589 --> 00:35:40,079

else everything starts with

1015

00:35:43,589 --> 00:35:41,599

consciousness i mean i understand the

1016

00:35:45,349 --> 00:35:43,599

concept of just reversing

1017

00:35:48,550 --> 00:35:45,359

the question

1018

00:35:50,150 --> 00:35:48,560

but that doesn't it doesn't strike me as

1019

00:35:51,829 --> 00:35:50,160

any

1020

00:35:53,349 --> 00:35:51,839

that explanation doesn't strike me as

1021

00:35:55,990 --> 00:35:53,359

any

1022

00:35:58,390 --> 00:35:56,000

more satisfying

1023

00:36:01,430 --> 00:35:58,400

than

1024

00:36:02,870 --> 00:36:01,440

the the materialist explanation which is

1025

00:36:05,430 --> 00:36:02,880

well it's just

1026

00:36:07,270 --> 00:36:05,440

information processing and

1027

00:36:08,630 --> 00:36:07,280

um but we're also kind of not sure why

1028

00:36:10,829 --> 00:36:08,640

computers aren't conscious even though

1029

00:36:12,470 --> 00:36:10,839

they process information it's like

1030

00:36:15,030 --> 00:36:12,480

that

1031

00:36:17,270 --> 00:36:15,040

those two leave me equally unsatisfied i

1032

00:36:19,750 --> 00:36:17,280

think because

1033

00:36:21,990 --> 00:36:19,760

simply reversing the question without

1034

00:36:24,790 --> 00:36:22,000

giving me a reason to accept that

1035

00:36:26,790 --> 00:36:24,800

framework over others

1036

00:36:27,670 --> 00:36:26,800

when it's not obvious it

1037

00:36:30,069 --> 00:36:27,680

also

1038

00:36:32,550 --> 00:36:30,079

just doesn't really quench my thirst

1039

00:36:34,310 --> 00:36:32,560

on on the questions if that makes sense

1040

00:36:36,310 --> 00:36:34,320

yeah

1041

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

bernardo castro is someone who is a

1042

00:36:41,270 --> 00:36:38,079

proponent of what's called analytic

1043

00:36:42,710 --> 00:36:41,280

idealism and he would say

1044

00:36:45,190 --> 00:36:42,720

that

1045

00:36:47,910 --> 00:36:45,200

materialists have developed

1046

00:36:49,910 --> 00:36:47,920

what's called an ontological category

1047

00:36:52,230 --> 00:36:49,920

which simple ontologist just means what

1048

00:36:54,710 --> 00:36:52,240

is and then category is hopefully we're

1049

00:36:56,710 --> 00:36:54,720

familiar with what a category is

1050

00:36:58,710 --> 00:36:56,720

by saying that there's material because

1051

00:37:00,870 --> 00:36:58,720

what we do is we

1052

00:37:02,630 --> 00:37:00,880

start with consciousness as our first

1053

00:37:04,390 --> 00:37:02,640

person experience that is not what needs

1054

00:37:06,870 --> 00:37:04,400

explaining and then

1055

00:37:08,870 --> 00:37:06,880

what we've done as materialists is say

1056

00:37:10,870 --> 00:37:08,880

that there exists something else

1057

00:37:12,390 --> 00:37:10,880

when there's no need for that science

1058

00:37:14,630 --> 00:37:12,400

can exist

1059

00:37:16,150 --> 00:37:14,640

in its exact same form

1060

00:37:18,550 --> 00:37:16,160

without having to

1061

00:37:21,109 --> 00:37:18,560

posit an entirely new

1062

00:37:23,190 --> 00:37:21,119

quote-unquote ontological category

1063

00:37:24,230 --> 00:37:23,200

of

1064

00:37:27,190 --> 00:37:24,240

dead

1065

00:37:29,349 --> 00:37:27,200

unconscious matter

1066

00:37:30,950 --> 00:37:29,359

so it's it's strange that that was the

1067

00:37:32,390 --> 00:37:30,960

leap that was made now i'll give you

1068

00:37:34,069 --> 00:37:32,400

another i understand what you're saying

1069

00:37:36,310 --> 00:37:34,079

because i also too oscillate between

1070

00:37:37,750 --> 00:37:36,320

whether it's a satisfying explanation

1071

00:37:39,829 --> 00:37:37,760

that's a great question what the heck is

1072

00:37:42,310 --> 00:37:39,839

an explanation at what point do we say

1073

00:37:43,670 --> 00:37:42,320

okay so-and-so has been explained

1074

00:37:45,589 --> 00:37:43,680

i'll give you i'll give you a quick

1075

00:37:46,390 --> 00:37:45,599

sorry but to go back on that it's like

1076

00:37:52,550 --> 00:37:46,400

when

1077

00:37:55,030 --> 00:37:52,560

die or or you know you fall into a

1078

00:37:58,470 --> 00:37:55,040

dreamless sleep

1079

00:38:00,069 --> 00:37:58,480

you experience the lights going out at

1080

00:38:02,470 --> 00:38:00,079

least in the second case

1081

00:38:05,109 --> 00:38:02,480

and it very much looks like the lights

1082

00:38:07,030 --> 00:38:05,119

going out when somebody dies

1083

00:38:09,109 --> 00:38:07,040

right and and so

1084

00:38:10,630 --> 00:38:09,119

our intuition

1085

00:38:13,190 --> 00:38:10,640

that

1086

00:38:15,190 --> 00:38:13,200

there is conscious matter and

1087

00:38:15,990 --> 00:38:15,200

unconscious matter

1088

00:38:19,270 --> 00:38:16,000

is

1089

00:38:21,349 --> 00:38:19,280

i mean it's it's not crazy it's it's

1090

00:38:23,270 --> 00:38:21,359

like we we are

1091

00:38:26,069 --> 00:38:23,280

we are trying to make sense of the fact

1092

00:38:28,069 --> 00:38:26,079

that sometimes the lights go out for us

1093

00:38:29,670 --> 00:38:28,079

when we have a dreamless sleep

1094

00:38:31,510 --> 00:38:29,680

and it certainly looks like the lights

1095

00:38:32,630 --> 00:38:31,520

are going out for for people and animals

1096

00:38:34,390 --> 00:38:32,640

when they die

1097

00:38:36,470 --> 00:38:34,400

and so we're trying you know it it does

1098

00:38:39,030 --> 00:38:36,480

seem like the universe has

1099

00:38:41,109 --> 00:38:39,040

two things to exp you know two

1100

00:38:43,430 --> 00:38:41,119

states right like conscious matter and

1101

00:38:48,069 --> 00:38:43,440

and what you're calling dead matter

1102

00:38:49,270 --> 00:38:48,079

um so why is it why is it wrong to view

1103

00:38:52,550 --> 00:38:49,280

that

1104

00:38:53,510 --> 00:38:52,560

data as the the total phenomenon to be

1105

00:38:55,349 --> 00:38:53,520

explained

1106

00:38:57,109 --> 00:38:55,359

i'm not saying it's wrong i don't know

1107

00:38:59,270 --> 00:38:57,119

but another point of view is that when

1108

00:39:01,349 --> 00:38:59,280

we have sleep

1109

00:39:02,950 --> 00:39:01,359

we don't experience the lights going out

1110

00:39:04,870 --> 00:39:02,960

we think by definition

1111

00:39:05,990 --> 00:39:04,880

because there's no experience we don't

1112

00:39:07,430 --> 00:39:06,000

know

1113

00:39:09,349 --> 00:39:07,440

this is something else this is something

1114

00:39:12,069 --> 00:39:09,359

that we project onto the experience of

1115

00:39:14,550 --> 00:39:12,079

sleep so here's something to think about

1116

00:39:17,030 --> 00:39:14,560

can you ever experience non-experience

1117

00:39:17,750 --> 00:39:17,040

no again by definition right so then we

1118

00:39:18,870 --> 00:39:17,760

think

1119

00:39:20,390 --> 00:39:18,880

that there's this gap in our

1120

00:39:22,069 --> 00:39:20,400

consciousness what we've done is we've

1121

00:39:23,190 --> 00:39:22,079

seen other people and we've

1122

00:39:24,790 --> 00:39:23,200

come up with this category of

1123

00:39:26,630 --> 00:39:24,800

non-consciousness and then we

1124

00:39:28,630 --> 00:39:26,640

confabulate that back to ourselves but

1125

00:39:30,150 --> 00:39:28,640

as a matter of experience we never

1126

00:39:31,589 --> 00:39:30,160

experience quote-unquote the lights

1127

00:39:33,190 --> 00:39:31,599

going out because by definition you

1128

00:39:35,349 --> 00:39:33,200

can't so it's

1129

00:39:37,910 --> 00:39:35,359

it should be i don't see why

1130

00:39:40,390 --> 00:39:37,920

it isn't a continuous a continuum

1131

00:39:42,630 --> 00:39:40,400

between sleep and wake

1132

00:39:44,150 --> 00:39:42,640

now it may feel

1133

00:39:46,069 --> 00:39:44,160

because you're constantly experiencing

1134

00:39:48,630 --> 00:39:46,079

there's no such thing as non-experience

1135

00:39:50,710 --> 00:39:48,640

as you experiencing non-experience when

1136

00:39:52,470 --> 00:39:50,720

we say hey we

1137

00:39:53,270 --> 00:39:52,480

i didn't experience

1138

00:39:54,950 --> 00:39:53,280

well

1139

00:39:56,950 --> 00:39:54,960

yes but then you're projecting some

1140

00:39:58,790 --> 00:39:56,960

notion of time and so on but as a matter

1141

00:40:00,870 --> 00:39:58,800

of experience and remember the idea is

1142

00:40:02,950 --> 00:40:00,880

start with experience as a matter of

1143

00:40:04,870 --> 00:40:02,960

experience there's no gap in your

1144

00:40:05,990 --> 00:40:04,880

experience because there can't be

1145

00:40:07,910 --> 00:40:06,000

because as

1146

00:40:09,349 --> 00:40:07,920

because by definition okay so you

1147

00:40:11,349 --> 00:40:09,359

understand that so then when we say well

1148

00:40:13,270 --> 00:40:11,359

someone so did we don't know in a

1149

00:40:15,030 --> 00:40:13,280

strange sense it's like

1150

00:40:16,550 --> 00:40:15,040

in a strange sense

1151

00:40:18,150 --> 00:40:16,560

life is not what needs explaining

1152

00:40:20,550 --> 00:40:18,160

because that's what comes that's what we

1153

00:40:22,069 --> 00:40:20,560

see first it's it's death and this is

1154

00:40:23,270 --> 00:40:22,079

actually extremely freaky because i

1155

00:40:25,190 --> 00:40:23,280

don't want to

1156

00:40:27,430 --> 00:40:25,200

part of me doesn't want to believe in

1157

00:40:29,109 --> 00:40:27,440

life after death life after what we

1158

00:40:31,589 --> 00:40:29,119

think of as death

1159

00:40:33,510 --> 00:40:31,599

because it was disconcerting to me i i

1160

00:40:35,349 --> 00:40:33,520

find the materialist's point of view to

1161

00:40:36,829 --> 00:40:35,359

be much more

1162

00:40:40,309 --> 00:40:36,839

comforting

1163

00:40:41,670 --> 00:40:40,319

personally but regardless it's

1164

00:40:43,270 --> 00:40:41,680

we don't know what the heck happened to

1165

00:40:45,990 --> 00:40:43,280

that person and then we start we start

1166

00:40:47,990 --> 00:40:46,000

to project some of what we think is

1167

00:40:50,309 --> 00:40:48,000

happening back to ourselves but as a

1168

00:40:53,109 --> 00:40:50,319

matter of experience we don't experience

1169

00:40:55,030 --> 00:40:53,119

death nor life sorry nor sleep there's

1170

00:40:57,109 --> 00:40:55,040

no gap in experience

1171

00:40:58,230 --> 00:40:57,119

so as a matter of experience

1172

00:40:59,510 --> 00:40:58,240

death is

1173

00:41:00,950 --> 00:40:59,520

something we don't know we're just

1174

00:41:02,470 --> 00:41:00,960

making some category up and then we're

1175

00:41:04,390 --> 00:41:02,480

saying it applies

1176

00:41:05,829 --> 00:41:04,400

but we we as

1177

00:41:07,510 --> 00:41:05,839

we don't have

1178

00:41:09,030 --> 00:41:07,520

any data points for that

1179

00:41:11,030 --> 00:41:09,040

we don't have any observations of what

1180

00:41:14,069 --> 00:41:11,040

it's like to not have an observation

1181

00:41:16,790 --> 00:41:14,079

right i get that that's

1182

00:41:18,710 --> 00:41:16,800

that has to be true by definition

1183

00:41:22,390 --> 00:41:18,720

but um

1184

00:41:25,030 --> 00:41:22,400

so like when i see someone go to sleep

1185

00:41:27,990 --> 00:41:25,040

i see that their all of their behavior

1186

00:41:30,870 --> 00:41:28,000

stops essentially except for breathing

1187

00:41:34,390 --> 00:41:32,870

you know i i assume

1188

00:41:36,950 --> 00:41:34,400

for the most part maybe they're having a

1189

00:41:39,589 --> 00:41:36,960

dream experience because i've had and

1190

00:41:41,030 --> 00:41:39,599

remembered many dream experiences

1191

00:41:43,109 --> 00:41:41,040

but i don't have that every night you

1192

00:41:44,710 --> 00:41:43,119

know presumably you know it's possible

1193

00:41:46,069 --> 00:41:44,720

i've had many dreams that that i just

1194

00:41:48,309 --> 00:41:46,079

don't remember

1195

00:41:50,230 --> 00:41:48,319

and this this goes to your point of

1196

00:41:51,910 --> 00:41:50,240

having an experience but not remembering

1197

00:41:54,630 --> 00:41:51,920

it

1198

00:41:56,470 --> 00:41:54,640

uh feels the same in retrospect as not

1199

00:41:58,790 --> 00:41:56,480

having had an experience at all it's

1200

00:42:01,829 --> 00:41:58,800

like if i if for some reason i just

1201
00:42:05,670 --> 00:42:01,839
was like fully blackout drunk

1202
00:42:07,990 --> 00:42:05,680
last night like perfectly blackout drunk

1203
00:42:09,990 --> 00:42:08,000
for an hour

1204
00:42:12,390 --> 00:42:10,000
then

1205
00:42:14,790 --> 00:42:12,400
remembering last night to me it's the

1206
00:42:16,550 --> 00:42:14,800
same as if i was if as if i was having

1207
00:42:18,550 --> 00:42:16,560
no experience at all

1208
00:42:20,470 --> 00:42:18,560
right as if i was in a dreamless sleep

1209
00:42:22,390 --> 00:42:20,480
for that hour

1210
00:42:24,390 --> 00:42:22,400
um and i i would have no way of really

1211
00:42:26,230 --> 00:42:24,400
telling those apart other from the other

1212
00:42:28,150 --> 00:42:26,240
than the sort of context clues of the

1213
00:42:30,150 --> 00:42:28,160

rest of the day like oh i went out last

1214

00:42:31,349 --> 00:42:30,160

night i must have gotten blackout drunk

1215

00:42:32,390 --> 00:42:31,359

i understand what you're saying um so

1216

00:42:33,990 --> 00:42:32,400

there's yeah there's no difference

1217

00:42:36,069 --> 00:42:34,000

between having an experience with no

1218

00:42:38,630 --> 00:42:36,079

memory and not having an experience when

1219

00:42:41,109 --> 00:42:38,640

you're looking back on it for sure

1220

00:42:44,550 --> 00:42:41,119

but um

1221

00:42:47,190 --> 00:42:44,560

i mean i i guess we we make inferences

1222

00:42:49,670 --> 00:42:47,200

on what's likely to be true from not

1223

00:42:51,349 --> 00:42:49,680

only from our first person from adding

1224

00:42:53,910 --> 00:42:51,359

our first person experience to our

1225

00:42:55,510 --> 00:42:53,920

observations of others and patterns in

1226
00:42:56,630 --> 00:42:55,520
the world so like one

1227
00:42:57,829 --> 00:42:56,640
pattern

1228
00:42:59,109 --> 00:42:57,839
or

1229
00:43:01,109 --> 00:42:59,119
imperfect

1230
00:43:02,710 --> 00:43:01,119
but but frequently found correlation in

1231
00:43:04,390 --> 00:43:02,720
the world is that

1232
00:43:07,270 --> 00:43:04,400
um

1233
00:43:09,589 --> 00:43:07,280
when people are

1234
00:43:13,589 --> 00:43:09,599
exhibiting behaviors like talking and

1235
00:43:15,750 --> 00:43:13,599
standing and walking and so forth

1236
00:43:17,270 --> 00:43:15,760
they're also they also tend to be

1237
00:43:19,510 --> 00:43:17,280
experiencing

1238
00:43:22,150 --> 00:43:19,520

something and and we find this in our

1239

00:43:23,829 --> 00:43:22,160

own lives and it seems to be true

1240

00:43:28,870 --> 00:43:23,839

of others

1241

00:43:31,430 --> 00:43:30,230

you know

1242

00:43:33,589 --> 00:43:31,440

behavior

1243

00:43:35,190 --> 00:43:33,599

and doing things and having blood flow

1244

00:43:37,270 --> 00:43:35,200

to your brain

1245

00:43:39,190 --> 00:43:37,280

and feeling things

1246

00:43:43,349 --> 00:43:39,200

from the inside

1247

00:43:45,510 --> 00:43:43,359

so we assume when all the behavior stops

1248

00:43:47,109 --> 00:43:45,520

and the blood stops flowing and all of

1249

00:43:52,550 --> 00:43:47,119

the mechanics

1250

00:43:58,309 --> 00:43:55,190

that that's the end of experience

1251
00:44:00,710 --> 00:43:58,319
because those two variables tend to be

1252
00:44:02,470 --> 00:44:00,720
correlated now the the problem with that

1253
00:44:04,790 --> 00:44:02,480
is we we have examples where they're

1254
00:44:07,510 --> 00:44:04,800
totally not correlated such as

1255
00:44:08,790 --> 00:44:07,520
locked-in syndrome

1256
00:44:11,510 --> 00:44:08,800
which is

1257
00:44:12,950 --> 00:44:11,520
where you know a person is in a hospital

1258
00:44:16,309 --> 00:44:12,960
bed

1259
00:44:19,430 --> 00:44:16,319
totally pretty much totally immobile

1260
00:44:21,510 --> 00:44:19,440
comatose for all we can tell

1261
00:44:23,270 --> 00:44:21,520
and only when they wake up from the coma

1262
00:44:25,510 --> 00:44:23,280
do we discover

1263
00:44:28,870 --> 00:44:25,520

they were hearing and seeing the whole

1264

00:44:30,150 --> 00:44:28,880

time right it's like the

1265

00:44:31,750 --> 00:44:30,160

the sort of um

1266

00:44:34,150 --> 00:44:31,760

[Music]

1267

00:44:37,349 --> 00:44:34,160

i guess was was was kill bill sort of

1268

00:44:40,390 --> 00:44:37,359

like this like uma thurman and kill bill

1269

00:44:43,750 --> 00:44:40,400

i could be misremembering that movie but

1270

00:44:45,510 --> 00:44:43,760

my memory she you know she was in a coma

1271

00:44:47,510 --> 00:44:45,520

and the doctor

1272

00:44:49,430 --> 00:44:47,520

basically raped her

1273

00:44:51,190 --> 00:44:49,440

and she but she was actually conscious

1274

00:44:52,790 --> 00:44:51,200

the whole time yeah and then she [h__h]

1275

00:44:54,950 --> 00:44:52,800

him up when she got out of the coma it

1276

00:44:56,790 --> 00:44:54,960

was just this great moment

1277

00:44:59,190 --> 00:44:56,800

but like the fact that that's possible

1278

00:45:00,550 --> 00:44:59,200

means that there isn't actually

1279

00:45:02,950 --> 00:45:00,560

an 100

1280

00:45:05,349 --> 00:45:02,960

connection between

1281

00:45:08,150 --> 00:45:05,359

uh behavior and consciousness

1282

00:45:11,030 --> 00:45:08,160

it's like you can be conscious and

1283

00:45:15,750 --> 00:45:11,040

look and be comatose

1284

00:45:21,589 --> 00:45:17,990

and so and and not only that but you can

1285

00:45:25,750 --> 00:45:23,829

without what seems to be consciousness

1286

00:45:28,069 --> 00:45:25,760

it's like i i talked to anika harris

1287

00:45:31,270 --> 00:45:28,079

about this and in her book she was

1288

00:45:33,589 --> 00:45:31,280

she gave these examples of of

1289

00:45:35,589 --> 00:45:33,599

extraordinary extraordinarily complex

1290

00:45:37,430 --> 00:45:35,599

behavior by networks of trees

1291

00:45:38,710 --> 00:45:37,440

communicating underground and stuff and

1292

00:45:41,349 --> 00:45:38,720

like

1293

00:45:42,630 --> 00:45:41,359

wait a minute so they're communicating

1294

00:45:44,470 --> 00:45:42,640

they're communicating like that's a

1295

00:45:46,550 --> 00:45:44,480

behavior we would normally associate

1296

00:45:47,990 --> 00:45:46,560

with consciousness

1297

00:45:49,349 --> 00:45:48,000

and it's they're not built they're

1298

00:45:51,030 --> 00:45:49,359

they're natural right they're they're

1299

00:45:53,109 --> 00:45:51,040

communicating but we assume that they're

1300

00:45:54,790 --> 00:45:53,119

not conscious

1301
00:45:56,150 --> 00:45:54,800
so the

1302
00:45:58,309 --> 00:45:56,160
you can get behavior without

1303
00:46:00,870 --> 00:45:58,319
consciousness consciousness without

1304
00:46:03,349 --> 00:46:00,880
complex behavior even though those two

1305
00:46:05,340 --> 00:46:03,359
things tend to be correlated most of the

1306
00:46:06,550 --> 00:46:05,350
time

1307
00:46:09,349 --> 00:46:06,560
[Music]

1308
00:46:13,190 --> 00:46:11,030
and what's more it doesn't seem like

1309
00:46:15,430 --> 00:46:13,200
there's a logical reason why

1310
00:46:17,270 --> 00:46:15,440
consciousness would have to accompany

1311
00:46:18,470 --> 00:46:17,280
complex behavior

1312
00:46:20,790 --> 00:46:18,480
right like from the point of view of

1313
00:46:23,109 --> 00:46:20,800

darwinian evolution

1314

00:46:24,950 --> 00:46:23,119

why does it matter

1315

00:46:27,430 --> 00:46:24,960

that

1316

00:46:30,390 --> 00:46:27,440

there's something it's like to be

1317

00:46:32,470 --> 00:46:30,400

one of these survival machines it's like

1318

00:46:34,710 --> 00:46:32,480

my appendix doesn't

1319

00:46:35,670 --> 00:46:34,720

you know wouldn't need to feel what it's

1320

00:46:37,270 --> 00:46:35,680

doing

1321

00:46:39,430 --> 00:46:37,280

that's a bad example since the appendix

1322

00:46:41,510 --> 00:46:39,440

is pointless my kidneys

1323

00:46:44,390 --> 00:46:41,520

wouldn't need to feel what it's doing in

1324

00:46:47,109 --> 00:46:44,400

order to serve their purpose

1325

00:46:50,390 --> 00:46:48,630

for my survival

1326

00:46:52,630 --> 00:46:50,400

how how come

1327

00:46:53,270 --> 00:46:52,640

certain aspects of my body i'm conscious

1328

00:46:56,790 --> 00:46:53,280

of

1329

00:46:59,430 --> 00:46:56,800

but others i'm just not it's like what

1330

00:47:00,550 --> 00:46:59,440

is the what's the evolutionary rationale

1331

00:47:02,390 --> 00:47:00,560

for

1332

00:47:04,550 --> 00:47:02,400

some of these things

1333

00:47:07,109 --> 00:47:04,560

being accompanied by

1334

00:47:08,870 --> 00:47:07,119

my experiencing them and others just

1335

00:47:11,510 --> 00:47:08,880

being totally like i wouldn't even know

1336

00:47:14,870 --> 00:47:11,520

i had half the organs in my body if i

1337

00:47:16,470 --> 00:47:14,880

if i didn't take a biology class

1338

00:47:19,109 --> 00:47:16,480

so that's

1339

00:47:20,630 --> 00:47:19,119

part of the mystery too

1340

00:47:22,790 --> 00:47:20,640

i understand

1341

00:47:24,470 --> 00:47:22,800

there's a couple terms you use there

1342

00:47:26,309 --> 00:47:24,480

which is third person

1343

00:47:28,630 --> 00:47:26,319

a couple others that i can't recall and

1344

00:47:31,190 --> 00:47:28,640

you which is another one so firstly the

1345

00:47:32,549 --> 00:47:31,200

category of you so someone else

1346

00:47:35,910 --> 00:47:32,559

oh this is where it gets extremely

1347

00:47:37,750 --> 00:47:35,920

tricky for me psychologically but anyway

1348

00:47:42,309 --> 00:47:37,760

we can talk about that another time

1349

00:47:56,630 --> 00:47:44,230

one has to think about what constitutes

1350

00:48:00,549 --> 00:47:58,630

when you say sorry i don't mean to see

1351
00:48:02,390 --> 00:48:00,559
you like i'm accusing you when one says

1352
00:48:03,910 --> 00:48:02,400
let's say when one says i watch someone

1353
00:48:05,589 --> 00:48:03,920
sleep

1354
00:48:07,829 --> 00:48:05,599
and the lights went out for them it's as

1355
00:48:09,990 --> 00:48:07,839
if they're well firstly that's a bit

1356
00:48:12,549 --> 00:48:10,000
creepy one

1357
00:48:14,309 --> 00:48:12,559
periodically watch people sleep

1358
00:48:15,430 --> 00:48:14,319
it's as if they're projecting and i keep

1359
00:48:17,190 --> 00:48:15,440
using this word projecting because i

1360
00:48:19,750 --> 00:48:17,200
don't have another

1361
00:48:21,430 --> 00:48:19,760
term to use

1362
00:48:24,230 --> 00:48:21,440
god's eye view

1363
00:48:26,230 --> 00:48:24,240

where we have this

1364

00:48:27,190 --> 00:48:26,240

where we imagine time ticking in this

1365

00:48:28,309 --> 00:48:27,200

fashion

1366

00:48:29,910 --> 00:48:28,319

and then

1367

00:48:31,750 --> 00:48:29,920

we imagine that they're not experiencing

1368

00:48:33,270 --> 00:48:31,760

anything well we can ask them afterwards

1369

00:48:35,430 --> 00:48:33,280

do you remember so and so

1370

00:48:38,390 --> 00:48:35,440

and then we say there was a gap and so

1371

00:48:41,030 --> 00:48:38,400

we imagine that that gap occurs for us

1372

00:48:43,270 --> 00:48:41,040

but as a matter of evidence for us we

1373

00:48:45,030 --> 00:48:43,280

don't have that and so from their point

1374

00:48:47,109 --> 00:48:45,040

of view there was no gap and from our

1375

00:48:49,270 --> 00:48:47,119

point of view we never have a gap

1376

00:48:51,430 --> 00:48:49,280

and so what i'm saying is that we then

1377

00:48:53,910 --> 00:48:51,440

project what we think of as a gap from

1378

00:48:56,470 --> 00:48:53,920

them onto us because we imagine we're so

1379

00:48:59,910 --> 00:48:56,480

great at doing this because of the

1380

00:49:01,190 --> 00:48:59,920

development of science of thinking of

1381

00:49:04,870 --> 00:49:01,200

of

1382

00:49:06,470 --> 00:49:04,880

view like a god's eye view that this is

1383

00:49:08,069 --> 00:49:06,480

all just ticking clocks and billiard

1384

00:49:10,150 --> 00:49:08,079

balls bouncing off one another and yes

1385

00:49:12,230 --> 00:49:10,160

there's some complexities with

1386

00:49:14,710 --> 00:49:12,240

qft and so on quantum quantum mechanics

1387

00:49:16,150 --> 00:49:14,720

and so on so it's already making a leap

1388

00:49:18,630 --> 00:49:16,160

and i'm saying that the people who are

1389

00:49:19,670 --> 00:49:18,640

idealists say there's no need to make

1390

00:49:21,190 --> 00:49:19,680

that leap

1391

00:49:23,030 --> 00:49:21,200

continue with the first person that's

1392

00:49:25,510 --> 00:49:23,040

where you start and that's where you can

1393

00:49:28,309 --> 00:49:25,520

end you start to develop other points of

1394

00:49:32,150 --> 00:49:28,319

view but then

1395

00:49:34,150 --> 00:49:32,160

but then paradoxes come in well well

1396

00:49:37,430 --> 00:49:34,160

so i guess um

1397

00:49:39,910 --> 00:49:37,440

the first person doesn't answer

1398

00:49:42,230 --> 00:49:39,920

the question either way so it's like i i

1399

00:49:45,670 --> 00:49:42,240

fall asleep

1400

00:49:47,270 --> 00:49:45,680

i i and then i wake up

1401
00:49:51,589 --> 00:49:47,280
my first

1402
00:49:53,910 --> 00:49:51,599
experience

1403
00:49:54,790 --> 00:49:53,920
i've got no idea what happened

1404
00:49:56,950 --> 00:49:54,800
right

1405
00:50:00,150 --> 00:49:56,960
i i don't know

1406
00:50:02,630 --> 00:50:00,160
whether i blacked out

1407
00:50:04,790 --> 00:50:02,640
and wha actually had an experience that

1408
00:50:06,309 --> 00:50:04,800
i'm simply now not remembering

1409
00:50:08,069 --> 00:50:06,319
sort of like the show severance i don't

1410
00:50:09,589 --> 00:50:08,079
know if you you've checked now it's this

1411
00:50:12,069 --> 00:50:09,599
great show

1412
00:50:13,589 --> 00:50:12,079
um amazing really really worth worth

1413
00:50:16,309 --> 00:50:13,599

watching and maybe even worth worth

1414

00:50:20,790 --> 00:50:16,319

talking about on on your podcast

1415

00:50:22,150 --> 00:50:20,800

where people undergo a sci-fi

1416

00:50:24,230 --> 00:50:22,160

they don't explain how the procedure is

1417

00:50:25,670 --> 00:50:24,240

done but they undergo a procedure

1418

00:50:29,829 --> 00:50:25,680

where

1419

00:50:31,270 --> 00:50:29,839

their their memory is spatially

1420

00:50:35,270 --> 00:50:31,280

uh

1421

00:50:36,150 --> 00:50:35,280

bound which means they go to work

1422

00:50:39,109 --> 00:50:36,160

and

1423

00:50:41,910 --> 00:50:39,119

when they enter the door to work

1424

00:50:43,910 --> 00:50:41,920

they no longer remember anything about

1425

00:50:45,990 --> 00:50:43,920

their their life outside of that

1426
00:50:47,510 --> 00:50:46,000
building right okay it's like they're so

1427
00:50:50,790 --> 00:50:47,520
they only remember memories that they

1428
00:50:51,910 --> 00:50:50,800
have made in in this space they exit now

1429
00:50:53,430 --> 00:50:51,920
they only

1430
00:50:55,910 --> 00:50:53,440
remember memories they have made in the

1431
00:50:58,309 --> 00:50:55,920
outside world yeah so it's a way of

1432
00:51:00,069 --> 00:50:58,319
completely psychologically

1433
00:51:02,870 --> 00:51:00,079
severing your work life and your home

1434
00:51:07,910 --> 00:51:04,230
and

1435
00:51:09,990 --> 00:51:07,920
interesting about it is

1436
00:51:11,990 --> 00:51:10,000
the moment

1437
00:51:14,549 --> 00:51:12,000
you know what they've essentially done

1438
00:51:17,190 --> 00:51:14,559

is created two different people

1439

00:51:19,109 --> 00:51:17,200

i mean in some ways in some ways they've

1440

00:51:21,510 --> 00:51:19,119

created two different people and in some

1441

00:51:23,190 --> 00:51:21,520

ways they're the same person because

1442

00:51:26,150 --> 00:51:23,200

they're basically

1443

00:51:30,390 --> 00:51:29,349

what the home life person experiences

1444

00:51:32,790 --> 00:51:30,400

is

1445

00:51:35,109 --> 00:51:32,800

going to work today going to work

1446

00:51:36,390 --> 00:51:35,119

the moment they walk through the door

1447

00:51:37,750 --> 00:51:36,400

they walk out

1448

00:51:40,230 --> 00:51:37,760

right it's like it's like going to sleep

1449

00:51:41,670 --> 00:51:40,240

and waking up and and and their the work

1450

00:51:44,069 --> 00:51:41,680

version of them experiences the same

1451
00:51:45,910 --> 00:51:44,079
thing they're just at work they're this

1452
00:51:47,190 --> 00:51:45,920
person feels like he is at work his

1453
00:51:48,790 --> 00:51:47,200
whole life

1454
00:51:50,870 --> 00:51:48,800
right because the second he goes home

1455
00:51:52,150 --> 00:51:50,880
he's walking through the door again like

1456
00:51:53,990 --> 00:51:52,160
waking up

1457
00:51:55,190 --> 00:51:54,000
and so there's essentially two people

1458
00:51:58,150 --> 00:51:55,200
that feel like they're living their

1459
00:52:00,470 --> 00:51:58,160
entire lives on opposite ends of this

1460
00:52:03,190 --> 00:52:00,480
thing and from their first person

1461
00:52:05,910 --> 00:52:03,200
experience

1462
00:52:07,430 --> 00:52:05,920
uh you know they they have no idea

1463
00:52:08,790 --> 00:52:07,440

what's happening when they walk through

1464

00:52:11,430 --> 00:52:08,800

that door they

1465

00:52:13,430 --> 00:52:11,440

for all they know they're just

1466

00:52:15,750 --> 00:52:13,440

nothing happens at all

1467

00:52:18,630 --> 00:52:15,760

um or they for all they know they're

1468

00:52:21,510 --> 00:52:18,640

they've been outside for a year and all

1469

00:52:24,230 --> 00:52:21,520

they have to go by is like

1470

00:52:25,589 --> 00:52:24,240

sort of how their body feels

1471

00:52:26,790 --> 00:52:25,599

when they walk back through the door

1472

00:52:28,870 --> 00:52:26,800

it's like if they're exhausted they

1473

00:52:30,470 --> 00:52:28,880

assume something must have happened

1474

00:52:32,549 --> 00:52:30,480

out there or if they if they've got a

1475

00:52:34,230 --> 00:52:32,559

cut they assume that they they have to

1476

00:52:35,750 --> 00:52:34,240

have gotten that cut

1477

00:52:38,150 --> 00:52:35,760

at work

1478

00:52:40,470 --> 00:52:38,160

um are they aware that they're losing

1479

00:52:43,030 --> 00:52:40,480

like in memento the guy is aware

1480

00:52:44,309 --> 00:52:43,040

that he has memory lapses yeah yeah yeah

1481

00:52:47,589 --> 00:52:44,319

they're they're aware they signed up for

1482

00:52:49,190 --> 00:52:47,599

this procedure um

1483

00:52:51,030 --> 00:52:49,200

okay the reason why i was saying don't

1484

00:52:52,470 --> 00:52:51,040

mean to drop the reason why i was saying

1485

00:52:53,829 --> 00:52:52,480

there are a couple delusive concepts

1486

00:52:55,910 --> 00:52:53,839

there so the third person like i

1487

00:52:57,589 --> 00:52:55,920

mentioned well if we're idealist let's

1488

00:53:00,150 --> 00:52:57,599

just abandon that it doesn't mean that

1489

00:53:02,470 --> 00:53:00,160

other minds don't exist it just means in

1490

00:53:04,630 --> 00:53:02,480

terms of evidence stick with yourself

1491

00:53:06,549 --> 00:53:04,640

okay then there's also the well my

1492

00:53:09,030 --> 00:53:06,559

reaction was that that doesn't answer

1493

00:53:10,630 --> 00:53:09,040

the questions necessarily okay well

1494

00:53:12,950 --> 00:53:10,640

we'll get back to that because there's

1495

00:53:14,470 --> 00:53:12,960

also the concept of you which implies a

1496

00:53:18,069 --> 00:53:14,480

continuous identity and that's a

1497

00:53:19,349 --> 00:53:18,079

delusive concept because it's not clear

1498

00:53:21,109 --> 00:53:19,359

so are you the same you as you were

1499

00:53:23,589 --> 00:53:21,119

yesterday and so on and so on and then

1500

00:53:25,750 --> 00:53:23,599

can you experience without having memory

1501

00:53:26,790 --> 00:53:25,760

so when you go to sleep is it the case

1502

00:53:28,549 --> 00:53:26,800

that

1503

00:53:30,630 --> 00:53:28,559

people are experiencing something

1504

00:53:33,829 --> 00:53:30,640

somewhere maybe this

1505

00:53:36,069 --> 00:53:33,839

nullity void that the buddhists say is a

1506

00:53:37,589 --> 00:53:36,079

place of nothingness

1507

00:53:39,670 --> 00:53:37,599

and then you come back but you have no

1508

00:53:41,270 --> 00:53:39,680

recollection of it i imagine in the same

1509

00:53:43,109 --> 00:53:41,280

way that

1510

00:53:45,190 --> 00:53:43,119

i i don't know because one would have to

1511

00:53:47,349 --> 00:53:45,200

say that that is the same person across

1512

00:53:49,030 --> 00:53:47,359

the rooms across home and across

1513

00:53:51,109 --> 00:53:49,040

work so one would have to say that's the

1514

00:53:52,870 --> 00:53:51,119

same person and if we can say that then

1515

00:53:55,109 --> 00:53:52,880

we could say

1516

00:53:57,510 --> 00:53:55,119

so the question is does one experience

1517

00:53:59,270 --> 00:53:57,520

when one is dead in some other realm or

1518

00:54:01,109 --> 00:53:59,280

or when one is sleeping and i would say

1519

00:54:02,710 --> 00:54:01,119

that the answer is we don't know

1520

00:54:04,390 --> 00:54:02,720

one could just not have memory to it

1521

00:54:05,750 --> 00:54:04,400

it's like there's this bucket of memory

1522

00:54:07,190 --> 00:54:05,760

that we pull into that when we're

1523

00:54:09,109 --> 00:54:07,200

talking to one another we luckily have

1524

00:54:11,430 --> 00:54:09,119

access to this we some have access to it

1525

00:54:12,790 --> 00:54:11,440

better than others but luckily we can

1526

00:54:14,150 --> 00:54:12,800

luckily when we're talking right now

1527

00:54:15,910 --> 00:54:14,160

it's like we're injecting into this

1528

00:54:17,829 --> 00:54:15,920

bucket and later we can pull out some of

1529

00:54:19,589 --> 00:54:17,839

it

1530

00:54:21,270 --> 00:54:19,599

so then if i was to go into a place or

1531

00:54:22,549 --> 00:54:21,280

you were to go into a place or one was

1532

00:54:24,549 --> 00:54:22,559

to go into a place where they didn't

1533

00:54:26,230 --> 00:54:24,559

have access to this bucket does that

1534

00:54:27,750 --> 00:54:26,240

mean that they weren't there well we

1535

00:54:32,069 --> 00:54:27,760

have no evidence it's that it's actually

1536

00:54:34,230 --> 00:54:32,079

just we don't know and we assume well no

1537

00:54:37,510 --> 00:54:34,240

but we don't know

1538

00:54:40,950 --> 00:54:37,520

so i mean what's your bar for knowledge

1539

00:54:44,309 --> 00:54:40,960

that's a ques we don't know

1540

00:54:45,349 --> 00:54:44,319

perfectly maybe to 100 certainty but

1541

00:54:48,150 --> 00:54:45,359

i think

1542

00:54:49,750 --> 00:54:48,160

my bar for saying i know something is

1543

00:54:53,109 --> 00:54:49,760

not that

1544

00:54:54,710 --> 00:54:53,119

it's um

1545

00:54:56,069 --> 00:54:54,720

it's it's

1546

00:54:59,670 --> 00:54:56,079

and

1547

00:55:01,270 --> 00:54:59,680

it's it's known with perfect confidence

1548

00:55:04,069 --> 00:55:01,280

right like to

1549

00:55:06,069 --> 00:55:04,079

to know something with 99 confidence is

1550

00:55:08,069 --> 00:55:06,079

to me maybe the best we can ever get

1551

00:55:09,670 --> 00:55:08,079

about almost anything

1552

00:55:10,950 --> 00:55:09,680

um

1553

00:55:12,510 --> 00:55:10,960

unless you're bill nye or neil degrasse

1554

00:55:14,789 --> 00:55:12,520

tyson who says they they believe with

1555

00:55:16,789 --> 00:55:14,799

99.999 percent certainty that so-and-so

1556

00:55:18,870 --> 00:55:16,799

are not anything more than a terrain

1557

00:55:22,230 --> 00:55:18,880

explanation

1558

00:55:23,430 --> 00:55:22,240

for the uaps oh for the ufps yeah well

1559

00:55:25,589 --> 00:55:23,440

and by the way my

1560

00:55:27,990 --> 00:55:25,599

remark to them is all right hey do you

1561

00:55:29,910 --> 00:55:28,000

want to play that game i will put down a

1562

00:55:30,789 --> 00:55:29,920

thousand dollars then then you can put

1563

00:55:32,470 --> 00:55:30,799

down

1564

00:55:34,549 --> 00:55:32,480

nine million dollars and that'll still

1565

00:55:36,870 --> 00:55:34,559

be a great bet for you you feel like the

1566

00:55:39,190 --> 00:55:36,880

odds are still in your favor okay that

1567

00:55:40,549 --> 00:55:39,200

uips are not extraterrestrials right so

1568

00:55:41,990 --> 00:55:40,559

they're they're that certain that

1569

00:55:43,349 --> 00:55:42,000

they're they're quotes they're

1570

00:55:44,630 --> 00:55:43,359

terrestrial

1571

00:55:45,510 --> 00:55:44,640

yeah

1572

00:55:48,390 --> 00:55:45,520

there are some

1573

00:55:50,309 --> 00:55:48,400

explanations quite some some

1574

00:55:51,990 --> 00:55:50,319

something that's mundane or something

1575

00:55:53,349 --> 00:55:52,000

mundane yeah

1576

00:55:54,870 --> 00:55:53,359

so i also want to ask them that that's

1577

00:55:56,470 --> 00:55:54,880

very strong exactly and there's some

1578

00:55:57,990 --> 00:55:56,480

tweets about that

1579

00:55:59,430 --> 00:55:58,000

bill nye and and

1580

00:56:01,270 --> 00:55:59,440

tyson

1581

00:56:03,910 --> 00:56:01,280

i i know neil a little bit is straight

1582

00:56:05,270 --> 00:56:03,920

it's i'm curiou i'm i'm surprised he

1583

00:56:08,150 --> 00:56:05,280

would be that

1584

00:56:10,549 --> 00:56:08,160

certain that they are from earth yeah

1585

00:56:11,510 --> 00:56:10,559

it also depends on well it depends on

1586

00:56:13,109 --> 00:56:11,520

quite

1587

00:56:14,870 --> 00:56:13,119

when one assigns probability that's

1588

00:56:17,510 --> 00:56:14,880

actually

1589

00:56:20,069 --> 00:56:17,520

it's difficult to assign a probability

1590

00:56:22,549 --> 00:56:20,079

to almost anything

1591

00:56:25,190 --> 00:56:22,559

my brother is a professor of statistics

1592

00:56:26,950 --> 00:56:25,200

and even assigning probabilities in a

1593

00:56:28,630 --> 00:56:26,960

paper that has to do with

1594

00:56:30,230 --> 00:56:28,640

medicine so something that's extremely

1595

00:56:32,390 --> 00:56:30,240

objective where we have replicable data

1596

00:56:33,750 --> 00:56:32,400

is actually it's not it's extremely

1597

00:56:35,750 --> 00:56:33,760

difficult let alone something where we

1598

00:56:37,670 --> 00:56:35,760

don't know because then one has to set

1599

00:56:39,109 --> 00:56:37,680

up what's called a reference class

1600

00:56:40,470 --> 00:56:39,119

and

1601
00:56:41,829 --> 00:56:40,480
it's still an unknown problem in

1602
00:56:43,430 --> 00:56:41,839
statistics what should be one's

1603
00:56:45,270 --> 00:56:43,440
reference class i spoke about this with

1604
00:56:46,549 --> 00:56:45,280
gary nolan so i can ask you i heard that

1605
00:56:48,069 --> 00:56:46,559
yeah right

1606
00:56:49,430 --> 00:56:48,079
i can say to the audiences the question

1607
00:56:51,109 --> 00:56:49,440
like when what's the probability you're

1608
00:56:51,990 --> 00:56:51,119
going to die tomorrow you may say well

1609
00:56:54,910 --> 00:56:52,000
maybe

1610
00:56:57,349 --> 00:56:54,920
0.02 and then i say no it's actually

1611
00:56:59,510 --> 00:56:57,359
99.999 because if you take as the

1612
00:57:01,190 --> 00:56:59,520
reference class all the beings on earth

1613
00:57:02,710 --> 00:57:01,200

the majority of them are dying

1614

00:57:04,789 --> 00:57:02,720

in the next few minutes because they're

1615

00:57:07,270 --> 00:57:04,799

bacterial right no i mean

1616

00:57:08,950 --> 00:57:07,280

you didn't go too deep into that

1617

00:57:11,030 --> 00:57:08,960

problem on the podcast but i thought it

1618

00:57:13,190 --> 00:57:11,040

was really interesting points like

1619

00:57:14,870 --> 00:57:13,200

so is my what's my probability of dying

1620

00:57:17,829 --> 00:57:14,880

today do i take

1621

00:57:20,069 --> 00:57:17,839

the probability of all new yorkers

1622

00:57:21,109 --> 00:57:20,079

and take that or is it you know let's

1623

00:57:25,030 --> 00:57:21,119

say

1624

00:57:25,910 --> 00:57:25,040

black men that are 25 years old

1625

00:57:28,470 --> 00:57:25,920

or

1626
00:57:30,470 --> 00:57:28,480
americans in general who do i leave out

1627
00:57:32,069 --> 00:57:30,480
of the reference i mean

1628
00:57:33,829 --> 00:57:32,079
it's an extremely difficult problem

1629
00:57:35,510 --> 00:57:33,839
which is why people who are in risk

1630
00:57:37,670 --> 00:57:35,520
management get paid so much because

1631
00:57:40,150 --> 00:57:37,680
insurance depends on it right

1632
00:57:41,430 --> 00:57:40,160
well it's not as if an easy interesting

1633
00:57:43,430 --> 00:57:41,440
question that

1634
00:57:45,190 --> 00:57:43,440
ensure like you know insurers can

1635
00:57:46,789 --> 00:57:45,200
discriminate

1636
00:57:48,710 --> 00:57:46,799
against

1637
00:57:49,829 --> 00:57:48,720
you based on certain characteristics but

1638
00:57:53,270 --> 00:57:49,839

not other like they can charge you

1639

00:57:55,270 --> 00:57:53,280

higher premiums if you're a young man

1640

00:57:57,190 --> 00:57:55,280

right as opposed to

1641

00:58:00,390 --> 00:57:57,200

but they can't you know if there were

1642

00:58:02,150 --> 00:58:00,400

some racial differences in car accidents

1643

00:58:04,069 --> 00:58:02,160

that were material enough to like get

1644

00:58:05,829 --> 00:58:04,079

differential premiums

1645

00:58:08,150 --> 00:58:05,839

you couldn't charge people different

1646

00:58:09,910 --> 00:58:08,160

premiums based on based on race and

1647

00:58:12,470 --> 00:58:09,920

ethnicity and

1648

00:58:15,430 --> 00:58:12,480

i i always thought that's a little

1649

00:58:16,309 --> 00:58:15,440

kind of underexplored

1650

00:58:17,829 --> 00:58:16,319

you know

1651
00:58:20,710 --> 00:58:17,839
phenomenal like where are the people

1652
00:58:22,710 --> 00:58:20,720
complaining that

1653
00:58:25,349 --> 00:58:22,720
they are being discriminated against by

1654
00:58:27,270 --> 00:58:25,359
insurance companies because

1655
00:58:28,630 --> 00:58:27,280
insurance insurance companies understand

1656
00:58:31,030 --> 00:58:28,640
that

1657
00:58:33,430 --> 00:58:31,040
you know young people get in far more

1658
00:58:35,109 --> 00:58:33,440
car accidents right it's like well [h__h]

1659
00:58:35,910 --> 00:58:35,119
i didn't i can't control being young

1660
00:58:37,349 --> 00:58:35,920
it's like

1661
00:58:39,109 --> 00:58:37,359
that's a characteristic i have no

1662
00:58:41,750 --> 00:58:39,119
control over how come you're

1663
00:58:43,829 --> 00:58:41,760

discriminating against me based on

1664

00:58:46,470 --> 00:58:43,839

the statistical

1665

00:58:48,309 --> 00:58:46,480

uh average behavior of people with my

1666

00:58:51,030 --> 00:58:48,319

characteristics it's like we generally

1667

00:58:52,870 --> 00:58:51,040

understand that to be unethical except

1668

00:58:53,829 --> 00:58:52,880

in the universities but yeah

1669

00:58:55,510 --> 00:58:53,839

oh well what do you mean what do you

1670

00:58:57,589 --> 00:58:55,520

mean by that with the diversity and

1671

00:58:59,349 --> 00:58:57,599

encouragement yeah no sure

1672

00:59:01,670 --> 00:58:59,359

yeah but um

1673

00:59:03,190 --> 00:59:01,680

but anyway yeah that that's uh

1674

00:59:05,430 --> 00:59:03,200

there's also a problem of like what

1675

00:59:06,870 --> 00:59:05,440

actually is probability what what's a

1676
00:59:10,069 --> 00:59:06,880
probability claim when you say there's

1677
00:59:12,950 --> 00:59:10,079
an 80 likelihood of x happening

1678
00:59:14,630 --> 00:59:12,960
what actually does that mean

1679
00:59:15,990 --> 00:59:14,640
well it me i think

1680
00:59:18,470 --> 00:59:16,000
i mean i tend to think probability

1681
00:59:21,349 --> 00:59:18,480
claims are like epistemic claims like

1682
00:59:22,230 --> 00:59:21,359
for all we know it seems like there's in

1683
00:59:24,950 --> 00:59:22,240
you know

1684
00:59:27,750 --> 00:59:24,960
80 out of 100 times

1685
00:59:29,190 --> 00:59:27,760
we run this in theory

1686
00:59:30,950 --> 00:59:29,200
that would happen but it's like what

1687
00:59:32,470 --> 00:59:30,960
does that mean actually it's an unsolved

1688
00:59:34,069 --> 00:59:32,480

problem what's the probability of the

1689

00:59:35,589 --> 00:59:34,079

sun will come up tomorrow because one

1690

00:59:37,349 --> 00:59:35,599

has to then assume a philosophical

1691

00:59:39,430 --> 00:59:37,359

framework for probability and they're a

1692

00:59:40,950 --> 00:59:39,440

broadly speaking four so for the people

1693

00:59:42,470 --> 00:59:40,960

who are interested there's frequentist

1694

00:59:44,230 --> 00:59:42,480

which means this is what is done in

1695

00:59:45,270 --> 00:59:44,240

physics is you look at the frequency you

1696

00:59:47,030 --> 00:59:45,280

just take

1697

00:59:47,829 --> 00:59:47,040

a slew of data

1698

00:59:51,589 --> 00:59:47,839

and

1699

00:59:53,190 --> 00:59:51,599

each one of these cases so one wants to

1700

00:59:54,870 --> 00:59:53,200

know can you make a probability for a

1701
00:59:56,710 --> 00:59:54,880
single case is there such a thing as a

1702
00:59:57,510 --> 00:59:56,720
probability for a single case right

1703
00:59:59,829 --> 00:59:57,520
because

1704
01:00:02,470 --> 00:59:59,839
if there's no can't a frequentist can't

1705
01:00:03,510 --> 01:00:02,480
no that's right a classicalist can

1706
01:00:07,589 --> 01:00:03,520
and

1707
01:00:08,549 --> 01:00:07,599
probability among

1708
01:00:10,549 --> 01:00:08,559
different

1709
01:00:11,670 --> 01:00:10,559
options which to me that's not entirely

1710
01:00:13,190 --> 01:00:11,680
clear

1711
01:00:15,030 --> 01:00:13,200
if you don't know if this weight if this

1712
01:00:16,710 --> 01:00:15,040
die is weighted you just assume that

1713
01:00:18,309 --> 01:00:16,720

it's one out of six that could just an

1714

01:00:19,430 --> 01:00:18,319

assumption you don't know it could be

1715

01:00:21,109 --> 01:00:19,440

weighted

1716

01:00:23,270 --> 01:00:21,119

you have no other data so they just

1717

01:00:24,630 --> 01:00:23,280

assume it is until more data comes in

1718

01:00:25,829 --> 01:00:24,640

then there's the bayesian which you

1719

01:00:26,950 --> 01:00:25,839

referenced

1720

01:00:29,270 --> 01:00:26,960

which i believe is also called the

1721

01:00:31,109 --> 01:00:29,280

subjective because it deals with

1722

01:00:33,430 --> 01:00:31,119

one's own degree of certainty and then

1723

01:00:35,910 --> 01:00:33,440

there's the metaphysical which is what

1724

01:00:36,950 --> 01:00:35,920

most people think probability is and i

1725

01:00:39,829 --> 01:00:36,960

think that

1726

01:00:42,390 --> 01:00:39,839

probability is something real yes yes

1727

01:00:45,109 --> 01:00:42,400

yes so a particle just has this chance

1728

01:00:47,030 --> 01:00:45,119

of decaying at a certain time sorry or

1729

01:00:48,069 --> 01:00:47,040

yeah it's yes yes a particle has this

1730

01:00:49,589 --> 01:00:48,079

chance

1731

01:00:51,190 --> 01:00:49,599

but then you get into

1732

01:00:53,349 --> 01:00:51,200

problems of what do you mean it has this

1733

01:00:54,950 --> 01:00:53,359

chance what is what is the ontological

1734

01:00:56,470 --> 01:00:54,960

claim here so each one of them has some

1735

01:00:58,309 --> 01:00:56,480

pros and cons and with the metaphysical

1736

01:01:00,470 --> 01:00:58,319

yes you can make a single case because

1737

01:01:03,030 --> 01:01:00,480

it just inherently has this probability

1738

01:01:04,950 --> 01:01:03,040

frequencies no classical yes

1739

01:01:06,230 --> 01:01:04,960

regardless then one has to say well

1740

01:01:07,510 --> 01:01:06,240

which

1741

01:01:10,870 --> 01:01:07,520

probability are you referring to when

1742

01:01:13,510 --> 01:01:10,880

you when you say 99.999 sure that uaps

1743

01:01:14,950 --> 01:01:13,520

are so and so it's it's so dubious that

1744

01:01:16,230 --> 01:01:14,960

i don't know how they can be so certain

1745

01:01:18,549 --> 01:01:16,240

because they and the reason i say

1746

01:01:19,910 --> 01:01:18,559

they're certain is that

1747

01:01:21,750 --> 01:01:19,920

there's a

1748

01:01:24,950 --> 01:01:21,760

level of condescension and derision that

1749

01:01:26,549 --> 01:01:24,960

come from the skeptics still to this day

1750

01:01:28,069 --> 01:01:26,559

though it's tempered and i think it's

1751

01:01:29,829 --> 01:01:28,079

tempered because of because of the

1752

01:01:32,230 --> 01:01:29,839

revelation right and the us government's

1753

01:01:34,230 --> 01:01:32,240

saying hey or so i think nasa themselves

1754

01:01:36,630 --> 01:01:34,240

say this is not any

1755

01:01:38,150 --> 01:01:36,640

known government that we know of yeah so

1756

01:01:39,030 --> 01:01:38,160

then you like what the heck you raise

1757

01:01:40,069 --> 01:01:39,040

your eyebrow there so it's the

1758

01:01:41,349 --> 01:01:40,079

government line so here's the other

1759

01:01:44,390 --> 01:01:41,359

thing

1760

01:01:46,950 --> 01:01:44,400

to me it's very unlikely

1761

01:01:49,990 --> 01:01:46,960

that russia or china

1762

01:01:51,190 --> 01:01:50,000

is holding on to the kind of technology

1763

01:01:52,390 --> 01:01:51,200

that would

1764

01:01:56,630 --> 01:01:52,400

move

1765

01:01:57,589 --> 01:01:56,640

in the way that

1766

01:01:59,430 --> 01:01:57,599

these

1767

01:02:01,270 --> 01:01:59,440

aircrafts do right especially since

1768

01:02:02,950 --> 01:02:01,280

these have been seen since the 40s so

1769

01:02:04,470 --> 01:02:02,960

you would have to say that they've had

1770

01:02:06,950 --> 01:02:04,480

someone has had this technology since

1771

01:02:08,150 --> 01:02:06,960

the 40s because there's a uniform

1772

01:02:09,349 --> 01:02:08,160

right

1773

01:02:11,510 --> 01:02:09,359

i think they call them observables

1774

01:02:13,109 --> 01:02:11,520

there's a uniform set of observables

1775

01:02:14,870 --> 01:02:13,119

right i mean so i can only speak to the

1776

01:02:18,309 --> 01:02:14,880

videos i've seen

1777

01:02:20,309 --> 01:02:18,319

um which are all from the past

1778

01:02:24,069 --> 01:02:20,319

17 years or so i think the earliest one

1779

01:02:24,950 --> 01:02:24,079

i saw was like from 2005 or 2004.

1780

01:02:26,549 --> 01:02:24,960

um

1781

01:02:29,589 --> 01:02:26,559

but

1782

01:02:32,630 --> 01:02:29,599

like why would russia or china invent

1783

01:02:33,589 --> 01:02:32,640

technology that's clearly

1784

01:02:36,309 --> 01:02:33,599

you know

1785

01:02:38,710 --> 01:02:36,319

very advanced in terms of how it fly i

1786

01:02:40,069 --> 01:02:38,720

mean it flies like nothing else we we've

1787

01:02:42,630 --> 01:02:40,079

created

1788

01:02:45,750 --> 01:02:42,640

and then just fly it over the

1789

01:02:48,870 --> 01:02:45,760

co like eastern seaboard frequently

1790

01:02:52,789 --> 01:02:48,880

for no reason

1791

01:02:56,309 --> 01:02:52,799

get filmed by a navy pilot

1792

01:02:57,829 --> 01:02:56,319

and then not do anything to us that that

1793

01:03:03,109 --> 01:02:57,839

like

1794

01:03:05,510 --> 01:03:03,119

and then also not use that technology to

1795

01:03:06,950 --> 01:03:05,520

win the war in in ukraine whenever they

1796

01:03:09,190 --> 01:03:06,960

have a warrant

1797

01:03:12,150 --> 01:03:09,200

it doesn't make it makes very little

1798

01:03:13,109 --> 01:03:12,160

sense that it would be a different state

1799

01:03:15,990 --> 01:03:13,119

actor

1800

01:03:17,910 --> 01:03:16,000

and our government has strongly implied

1801
01:03:19,430 --> 01:03:17,920
that it's not

1802
01:03:20,630 --> 01:03:19,440
um

1803
01:03:25,510 --> 01:03:20,640
a

1804
01:03:28,390 --> 01:03:26,309
so

1805
01:03:30,710 --> 01:03:28,400
it's such a strength and obviously

1806
01:03:32,870 --> 01:03:30,720
there's nothing

1807
01:03:34,870 --> 01:03:32,880
like i mean life on another planet is

1808
01:03:38,549 --> 01:03:34,880
actually no

1809
01:03:42,309 --> 01:03:41,190
a belief than there being life on this

1810
01:03:43,750 --> 01:03:42,319
planet

1811
01:03:45,029 --> 01:03:43,760
i mean if one chooses as a reference

1812
01:03:47,029 --> 01:03:45,039
class

1813
01:03:49,109 --> 01:03:47,039

yeah then we can say well look with some

1814

01:03:51,270 --> 01:03:49,119

large degree of certainty

1815

01:03:53,510 --> 01:03:51,280

outside of us destroying ourselves we're

1816

01:03:56,150 --> 01:03:53,520

going to spread intergalactically and so

1817

01:03:57,990 --> 01:03:56,160

let's imagine that we're not special as

1818

01:04:00,069 --> 01:03:58,000

science frequently tells us which i also

1819

01:04:01,990 --> 01:04:00,079

don't necessarily believe but

1820

01:04:04,870 --> 01:04:02,000

that we're not special we can get into

1821

01:04:06,710 --> 01:04:04,880

that if you like but that then

1822

01:04:08,470 --> 01:04:06,720

it would make sense that other forms of

1823

01:04:09,910 --> 01:04:08,480

life are visiting us

1824

01:04:11,270 --> 01:04:09,920

if one chooses as a reference class

1825

01:04:13,029 --> 01:04:11,280

ourselves and we project ourselves to

1826

01:04:14,309 --> 01:04:13,039

the future we got to wrap up this has

1827

01:04:16,150 --> 01:04:14,319

been really good

1828

01:04:19,029 --> 01:04:16,160

where can my listeners go if they want

1829

01:04:21,109 --> 01:04:19,039

to hear more about ufos consciousness

1830

01:04:23,109 --> 01:04:21,119

theories of everything etc

1831

01:04:25,190 --> 01:04:23,119

sure you can search theories of

1832

01:04:27,430 --> 01:04:25,200

everything on youtube my my name should

1833

01:04:30,069 --> 01:04:27,440

come up kurt j mungle

1834

01:04:32,710 --> 01:04:30,079

and if you're interested in like coleman

1835

01:04:34,230 --> 01:04:32,720

mentioned physics mathematics

1836

01:04:35,670 --> 01:04:34,240

free will god as well which we didn't

1837

01:04:36,470 --> 01:04:35,680

get to talk much about

1838

01:04:40,630 --> 01:04:36,480

and

1839

01:04:42,069 --> 01:04:40,640

how they relate to that

1840

01:04:45,190 --> 01:04:42,079

then

1841

01:04:47,109 --> 01:04:45,200

enjoy it

1842

01:04:50,230 --> 01:04:47,119

awesome thank you so much kurt

1843

01:04:53,910 --> 01:04:52,150

the podcast is now finished if you'd

1844

01:04:57,029 --> 01:04:53,920

like to support conversations like this

1845

01:05:01,109 --> 01:04:57,039

then do consider going to patreon.com

1846

01:05:03,750 --> 01:05:01,119

c-u-r-t j-a-i-m-u-n-g-a-l

1847

01:05:05,589 --> 01:05:03,760

that is kurt jaimungle it's support from

1848

01:05:07,349 --> 01:05:05,599

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