



1
00:00:08,570 --> 00:00:17,190

[Music]

2
00:00:24,240 --> 00:00:20,679

welcome to shattered reality with your

3
00:00:27,580 --> 00:00:24,250

hosts Kate Valentine and faroush

4
00:00:32,290 --> 00:00:27,590

prepare to have your paradigm shifted in

5
00:00:40,029 --> 00:00:32,300

the truths questioned and now shattered

6
00:00:44,169 --> 00:00:40,039

reality here we are at the 2017 Pine

7
00:00:55,079 --> 00:00:44,179

Bush UFO fair and we're all happy to be

8
00:00:59,470 --> 00:00:55,089

here right okay and I am here with Tiger

9
00:01:03,630 --> 00:00:59,480

reality podcast and my name is Purusha

10
00:01:07,420 --> 00:01:03,640

and over here is Miss Kate Valentine and

11
00:01:12,190 --> 00:01:07,430

about twice a month we present people

12
00:01:17,610 --> 00:01:12,200

who are in edge science basically we

13
00:01:21,370 --> 00:01:17,620

talk about UFOs we talk about near-death

14

00:01:24,240 --> 00:01:21,380

experiences and other cool things like

15

00:01:28,170 --> 00:01:24,250

remote viewing and all that good stuff

16

00:01:32,340 --> 00:01:28,180

so today I have a short presentation

17

00:01:35,890 --> 00:01:32,350

having to do with theories of

18

00:01:39,100 --> 00:01:35,900

extraterrestrial evolution all right now

19

00:01:42,580 --> 00:01:39,110

before before anybody gets all excited

20

00:01:45,520 --> 00:01:42,590

these are only theories but I will tell

21

00:01:49,380 --> 00:01:45,530

you that there are some very prominent

22

00:01:54,400 --> 00:01:49,390

people including Stephen Hawking and

23

00:01:57,490 --> 00:01:54,410

Ridley Scott who is the director of the

24

00:02:02,190 --> 00:01:57,500

alien series and several other excellent

25

00:02:05,749 --> 00:02:02,200

movies and both of those gentlemen too

26

00:02:07,980 --> 00:02:05,759

have much the same idea about the

27

00:02:11,339 --> 00:02:07,990

possibilities we're not saying this is

28

00:02:13,949 --> 00:02:11,349

definite or right so before anybody gets

29

00:02:16,040 --> 00:02:13,959

all excited and thinks that I'm making a

30

00:02:20,400 --> 00:02:16,050

pronouncement these are just theories

31

00:02:23,760 --> 00:02:20,410

okay extraterrestrial evolutions is a

32

00:02:27,210 --> 00:02:23,770

topic of great interest to me in a

33

00:02:30,690 --> 00:02:27,220

number of ways the thought may be

34

00:02:33,870 --> 00:02:30,700

bizarre to many people but perhaps it

35

00:02:38,309 --> 00:02:33,880

shouldn't be there are four factors that

36

00:02:41,460 --> 00:02:38,319

come immediately to mind first one there

37

00:02:44,660 --> 00:02:41,470

are probably billions of planets in our

38

00:02:48,259 --> 00:02:44,670

very own Milky Way galaxy and

39

00:02:51,660 --> 00:02:48,269

quadrillions quadrillions of other

40

00:02:55,050 --> 00:02:51,670

telescopically visible galaxies each

41

00:03:00,600 --> 00:02:55,060

with billions and billions of planets

42

00:03:04,140 --> 00:03:00,610

okay so that entire idea that we're the

43

00:03:06,059 --> 00:03:04,150

only ones in the universe or in the

44

00:03:09,449 --> 00:03:06,069

multiverse if there's actually more than

45

00:03:15,270 --> 00:03:09,459

one universe is really really very very

46

00:03:18,479 --> 00:03:15,280

unlikely scientists disagree on how many

47

00:03:22,229 --> 00:03:18,489

of the worlds might generate life but

48

00:03:24,360 --> 00:03:22,239

few scientists at this point in 2017

49

00:03:26,130 --> 00:03:24,370

really think that we're alone by

50

00:03:28,880 --> 00:03:26,140

scientists either I don't mean

51
00:03:31,770 --> 00:03:28,890
necessarily technicians I mean actual

52
00:03:35,220 --> 00:03:31,780
astronomers and cosmologists and so

53
00:03:38,960 --> 00:03:35,230
forth even the Vatican is very open to

54
00:03:42,630 --> 00:03:38,970
the concept of intelligent as

55
00:03:45,360 --> 00:03:42,640
extraterrestrial beings now that's the

56
00:03:48,690 --> 00:03:45,370
first point second point is some really

57
00:03:52,199 --> 00:03:48,700
great cosmological thinkers have posited

58
00:03:54,620 --> 00:03:52,209
the idea of panspermia I'm going to

59
00:03:57,750 --> 00:03:54,630
define that in a minute

60
00:04:01,500 --> 00:03:57,760
including dr. Chandra with a Roma singer

61
00:04:04,110 --> 00:04:01,510
and the late Sir Fred Hoyle panspermia

62
00:04:05,550 --> 00:04:04,120
is defined by Google

63
00:04:08,339 --> 00:04:05,560

of course we all go to Google for

64

00:04:11,360 --> 00:04:08,349

everything right but is defined by

65

00:04:14,729 --> 00:04:11,370

Google as the theory that life on Earth

66

00:04:18,360 --> 00:04:14,739

originated from micro organisms or

67

00:04:22,200 --> 00:04:18,370

chemical precursors of life present

68

00:04:24,659 --> 00:04:22,210

already in outer space from which we

69

00:04:28,170 --> 00:04:24,669

were able to initiate life here on earth

70

00:04:32,879 --> 00:04:28,180

when of interacting with a suitable

71

00:04:33,900 --> 00:04:32,889

environment okay today a scientist in

72

00:04:37,140 --> 00:04:33,910

the UK

73

00:04:39,330 --> 00:04:37,150

main professor Milton Wainwright is

74

00:04:43,320 --> 00:04:39,340

sending up balloons to the stratosphere

75

00:04:48,719 --> 00:04:43,330

to discover microbial life from outer

76

00:04:53,040 --> 00:04:48,729

space now Milton Wainwright dr. Milton

77

00:04:55,529 --> 00:04:53,050

Wainwright dr. Milton Wainwright was on

78

00:04:59,340 --> 00:04:55,539

shattered reality podcast most recently

79

00:05:02,810 --> 00:04:59,350

about a week ago and he explained how he

80

00:05:06,840 --> 00:05:02,820

actually sent up these weather balloons

81

00:05:10,440 --> 00:05:06,850

about 40 kilometres up 25 miles and

82

00:05:13,230 --> 00:05:10,450

further and these weather balloons have

83

00:05:19,050 --> 00:05:13,240

attached to them basically cassette

84

00:05:22,740 --> 00:05:19,060

decks and they're encased in a something

85

00:05:24,450 --> 00:05:22,750

that nothing can get into and at the

86

00:05:28,219 --> 00:05:24,460

time they get they reached the proper

87

00:05:31,710 --> 00:05:28,229

altitude he is able to let that up

88

00:05:35,129 --> 00:05:31,720

cassette back out and on the tray of the

89

00:05:37,680 --> 00:05:35,139

cassette deck is something akin to a

90

00:05:41,310 --> 00:05:37,690

petri dish he explained it a little

91

00:05:44,460 --> 00:05:41,320

better than I can but the cassette that

92

00:05:46,740 --> 00:05:44,470

comes out and things stick to it

93

00:05:49,680 --> 00:05:46,750

organisms that perhaps come down from

94

00:05:52,379 --> 00:05:49,690

space stick to it at a certain point he

95

00:05:54,629 --> 00:05:52,389

pulls it back in again it hermetically

96

00:05:57,300 --> 00:05:54,639

reseals and he brings it down to earth

97

00:06:01,350 --> 00:05:57,310

the interesting thing is that he has

98

00:06:03,029 --> 00:06:01,360

found organisms that have never been

99

00:06:04,770 --> 00:06:03,039

seen here on earth that doesn't mean

100

00:06:07,080 --> 00:06:04,780

they don't exist here on earth it just

101
00:06:09,600 --> 00:06:07,090
they haven't been found yet on earth and

102
00:06:12,660 --> 00:06:09,610
these things are much too heavy to get

103
00:06:16,740 --> 00:06:12,670
up there on their own so this is this is

104
00:06:23,370 --> 00:06:16,750
the basis of research currently on paths

105
00:06:25,860 --> 00:06:23,380
permeable now third though it seems to

106
00:06:28,470 --> 00:06:25,870
me that much evidence points to the idea

107
00:06:31,520 --> 00:06:28,480
that Earth has been visited multiple

108
00:06:34,100 --> 00:06:31,530
times by possible extraterrestrials

109
00:06:37,050 --> 00:06:34,110
thoughts and theories about

110
00:06:40,280 --> 00:06:37,060
extraterrestrial evolution do not have

111
00:06:44,659 --> 00:06:40,290
depend for their validity on

112
00:06:46,860 --> 00:06:44,669
extraterrestrial visitation you get that

113
00:06:48,780 --> 00:06:46,870

everybody on the same page with me

114

00:06:51,659 --> 00:06:48,790

because that we don't have to have

115

00:06:54,480 --> 00:06:51,669

aliens walking around outside to believe

116

00:06:58,700 --> 00:06:54,490

that there are there are things in outer

117

00:07:02,120 --> 00:06:58,710

space that are evolving separate from us

118

00:07:06,120 --> 00:07:02,130

the fourth factor is an open question

119

00:07:10,040 --> 00:07:06,130

would such life follow a set pattern

120

00:07:12,510 --> 00:07:10,050

similar to life on Earth or would

121

00:07:16,469 --> 00:07:12,520

extraterrestrial evolution take an

122

00:07:19,650 --> 00:07:16,479

entirely different path or could both of

123

00:07:23,969 --> 00:07:19,660

those ideas be true well that point you

124

00:07:26,130 --> 00:07:23,979

have to define evolution yes look one

125

00:07:29,490 --> 00:07:26,140

thing that we know for all life on Earth

126

00:07:32,119 --> 00:07:29,500

is that it involves the direction the

127

00:07:35,570 --> 00:07:32,129

trajectory the vector that evolution

128

00:07:37,100 --> 00:07:35,580

is always a product of the conditions in

129

00:07:39,709 --> 00:07:37,110

which the evolution is taking place

130

00:07:43,279 --> 00:07:39,719

right but evolution the idea that things

131

00:07:45,409 --> 00:07:43,289

change over time look we know by the

132

00:07:48,739 --> 00:07:45,419

simple fact that we're here that a star

133

00:07:52,129 --> 00:07:48,749

died so that that iron could be created

134

00:07:53,899 --> 00:07:52,139

that it's the foundation of our blood we

135

00:07:56,149 --> 00:07:53,909

don't have to theorize about the

136

00:07:56,839 --> 00:07:56,159

evolution of stars we know what occurs

137

00:08:00,859 --> 00:07:56,849

yes

138

00:08:04,549 --> 00:08:00,869

so evolution is predominant on earth of

139

00:08:05,959 --> 00:08:04,559

all life forms and here's the point when

140

00:08:08,600 --> 00:08:05,969

I said depends on your definition of

141

00:08:12,679 --> 00:08:08,610

evolution evolution seems to be

142

00:08:15,290 --> 00:08:12,689

primarily focused on a species surviving

143

00:08:17,209 --> 00:08:15,300

survival it really is the common trait

144

00:08:19,040 --> 00:08:17,219

of all life that we could see the one

145

00:08:20,389 --> 00:08:19,050

thing all light as a comet is it wants

146

00:08:23,749 --> 00:08:20,399

to survive there's no reason to think

147

00:08:26,329 --> 00:08:23,759

that survival isn't the primary driving

148

00:08:30,259 --> 00:08:26,339

force with all the way throughout the

149

00:08:33,139 --> 00:08:30,269

entire universe there's agreement there

150

00:08:37,490 --> 00:08:33,149

however we might want to know which is

151

00:08:43,969 --> 00:08:37,500

something that is a factor here is that

152

00:08:45,559 --> 00:08:43,979

90% of all life forms on the earth that

153

00:08:47,480 --> 00:08:45,569

ever existed on the earth are now

154

00:08:49,910 --> 00:08:47,490

extinct I think the percentage is higher

155

00:08:53,449 --> 00:08:49,920

than that sure absolutely okay so at

156

00:08:55,670 --> 00:08:53,459

least 90% we can say oh yeah um what I'm

157

00:08:58,220 --> 00:08:55,680

going to talk about mostly deals with

158

00:09:01,429 --> 00:08:58,230

the fourth factor Thank You mr. Denby

159

00:09:04,280 --> 00:09:01,439

any women on a deal with the fourth

160

00:09:07,460 --> 00:09:04,290

factor the open question of whether life

161

00:09:10,360 --> 00:09:07,470

would follow a particular trajectory or

162

00:09:13,910 --> 00:09:10,370

if it might be entirely different okay

163

00:09:17,780 --> 00:09:13,920

it has been rumored and openly stated

164

00:09:21,559 --> 00:09:17,790

that NASA and JPL the Jet Propulsion lab

165

00:09:25,009 --> 00:09:21,569

have quashed reports and evidence of

166

00:09:28,759 --> 00:09:25,019

life on Mars and other spheres in the

167

00:09:30,640 --> 00:09:28,769

universe that we have put Landers on

168

00:09:34,030 --> 00:09:30,650

like

169

00:09:36,330 --> 00:09:34,040

so most prominently I think of

170

00:09:40,780 --> 00:09:36,340

assertions made by dr. John Brandenburg

171

00:09:43,150 --> 00:09:40,790

formerly of NASA about advanced life on

172

00:09:47,160 --> 00:09:43,160

Mars and of certain findings of

173

00:09:50,490 --> 00:09:47,170

primitive organisms called crinoids

174

00:09:54,610 --> 00:09:50,500

visually identical to earth organisms

175

00:09:57,730 --> 00:09:54,620

discovered by dr. richard hoover now dr.

176

00:10:01,260 --> 00:09:57,740

Richard Hoover is a was a 46 year

177

00:10:04,510 --> 00:10:01,270

veteran of NASA and an astrobiologist an

178

00:10:06,580 --> 00:10:04,520

inventor of the year in one of those

179

00:10:08,110 --> 00:10:06,590

years he was given the title of an

180

00:10:13,060 --> 00:10:08,120

inventor of the year

181

00:10:14,980 --> 00:10:13,070

so clearly this guy is no fool this is

182

00:10:16,770 --> 00:10:14,990

particularly important to the rest of my

183

00:10:19,390 --> 00:10:16,780

thinking on this subject of

184

00:10:22,720 --> 00:10:19,400

extraterrestrial evolution let me just

185

00:10:25,780 --> 00:10:22,730

close this okay and I brought this

186

00:10:32,520 --> 00:10:25,790

lovely picture for you to see of the

187

00:10:33,760 --> 00:10:32,530

crimes on Mars okay this is of

188

00:10:37,780 --> 00:10:33,770

purportedly

189

00:10:41,470 --> 00:10:37,790

a fossil now what NASA did with this

190

00:10:43,960 --> 00:10:41,480

fossil NASA in the form of JPL who sent

191

00:10:46,240 --> 00:10:43,970

the Explorer up to Mars

192

00:10:47,680 --> 00:10:46,250

and you remember it walks around it's

193

00:10:49,540 --> 00:10:47,690

still up there taking pictures and

194

00:10:52,540 --> 00:10:49,550

whatever they destroyed it

195

00:10:56,040 --> 00:10:52,550

they destroyed this fossil in order to

196

00:11:06,750 --> 00:10:56,050

do a chemical test on it so that all

197

00:11:12,870 --> 00:11:10,410

if the organism found by JPL on Mars it

198

00:11:15,180 --> 00:11:12,880

is in actuality largely identical to

199

00:11:17,220 --> 00:11:15,190

those found on earth it seems to point

200

00:11:20,280 --> 00:11:17,230

to the idea that extraterrestrial life

201
00:11:22,050 --> 00:11:20,290
might always are often involved in the

202
00:11:25,530 --> 00:11:22,060
same or similar manner

203
00:11:27,540 --> 00:11:25,540
one frequently discussed concept that

204
00:11:30,470 --> 00:11:27,550
follows in this direction is the

205
00:11:32,699 --> 00:11:30,480
controversial idea that some

206
00:11:36,930 --> 00:11:32,709
extraterrestrials who have reportedly

207
00:11:39,300 --> 00:11:36,940
visited the earth are reptilians now you

208
00:11:41,280 --> 00:11:39,310
know this is a matter of reports I

209
00:11:42,810 --> 00:11:41,290
personally have not seen any fresh

210
00:11:47,160 --> 00:11:42,820
filaments that does not mean that they

211
00:11:48,930 --> 00:11:47,170
don't exist but it is it that there you

212
00:11:54,150 --> 00:11:48,940
go something like this in any case if

213
00:11:56,699 --> 00:11:54,160

the dinosaurs who once inhabited the

214

00:11:59,009 --> 00:11:56,709

earth were not killed off by a comet or

215

00:12:00,780 --> 00:11:59,019

a large meteor or which struck the Gulf

216

00:12:04,110 --> 00:12:00,790

of Mexico at the end of the Cretaceous

217

00:12:07,350 --> 00:12:04,120

period would there perhaps have involved

218

00:12:10,920 --> 00:12:07,360

in to set subconscious bipedal beings

219

00:12:14,100 --> 00:12:10,930

who might roam the galaxy and if so is

220

00:12:16,889 --> 00:12:14,110

it not possible or indeed likely that on

221

00:12:19,379 --> 00:12:16,899

other suitable planets in the galaxy or

222

00:12:23,579 --> 00:12:19,389

beyond such reptilians might actually

223

00:12:28,110 --> 00:12:23,589

exist in fact evolution following a

224

00:12:31,259 --> 00:12:28,120

similar evolution following a similar

225

00:12:34,650 --> 00:12:31,269

model it might evolution not follow a

226

00:12:37,430 --> 00:12:34,660

simpler model everywhere in this

227

00:12:40,170 --> 00:12:37,440

discussion somewhere one must consider

228

00:12:42,300 --> 00:12:40,180

non-human very intelligent life forms

229

00:12:45,389 --> 00:12:42,310

right here on earth that have not

230

00:12:48,840 --> 00:12:45,399

developed with bilateral symmetry I am

231

00:12:52,110 --> 00:12:48,850

thinking here of cephalopods like squid

232

00:12:56,189 --> 00:12:52,120

and octopus these are very very

233

00:12:59,340 --> 00:12:56,199

intelligent beings and their brains are

234

00:13:02,699 --> 00:12:59,350

not located in their heads like ours are

235

00:13:04,860 --> 00:13:02,709

they have a brain that is in their

236

00:13:07,350 --> 00:13:04,870

entire nervous system all over their

237

00:13:08,160 --> 00:13:07,360

bodies and they have been proven time

238

00:13:19,830 --> 00:13:08,170

and

239

00:13:22,590 --> 00:13:19,840

such high size functioning okay that

240

00:13:25,680 --> 00:13:22,600

might derail the similar evolution

241

00:13:28,950 --> 00:13:25,690

Everywhere theory as the sole way that

242

00:13:32,460 --> 00:13:28,960

life would evolve on the other hand it

243

00:13:35,340 --> 00:13:32,470

is possible or likely that evolution

244

00:13:38,820 --> 00:13:35,350

through the cosmos looks nothing like

245

00:13:41,910 --> 00:13:38,830

earthly evolution I'd say certainly that

246

00:13:44,580 --> 00:13:41,920

it is possible and in certain

247

00:13:48,530 --> 00:13:44,590

circumstances probable that the

248

00:13:54,300 --> 00:13:51,540

what probable circumstance resulting in

249

00:13:56,250 --> 00:13:54,310

a different evolutionary pattern might

250

00:13:59,640 --> 00:13:56,260

be an environment where the building

251
00:14:02,910 --> 00:13:59,650
blocks of life are not carbon-based or

252
00:14:05,670 --> 00:14:02,920
not dependent on water or oxygen their

253
00:14:08,310 --> 00:14:05,680
life on Earth is carbon-based and

254
00:14:12,600 --> 00:14:08,320
requires water and we agree on that

255
00:14:15,540 --> 00:14:12,610
by and large okay but think about your

256
00:14:18,140 --> 00:14:15,550
definition of life think about each and

257
00:14:20,640 --> 00:14:18,150
every how do you define life yourselves

258
00:14:27,120 --> 00:14:20,650
perhaps consciousness is a better

259
00:14:31,110 --> 00:14:27,130
definition of life than taking breath or

260
00:14:34,230 --> 00:14:31,120
what is or could be unconscious is a

261
00:14:38,100 --> 00:14:34,240
very very long discussion you know it's

262
00:14:39,840 --> 00:14:38,110
this Sun ukuleles stand conscious most

263
00:14:42,270 --> 00:14:39,850

of us wouldn't think of it as conscious

264

00:14:47,139 --> 00:14:42,280

but if we were atomists we would think

265

00:14:51,549 --> 00:14:49,840

suffice it to say that monsters plunk

266

00:14:54,519 --> 00:14:51,559

and the other founders of quantum

267

00:14:58,329 --> 00:14:54,529

physics all thought that consciousness

268

00:15:02,949 --> 00:14:58,339

was more fundamental than matter or

269

00:15:07,530 --> 00:15:02,959

energy in the physical universe got to

270

00:15:10,629 --> 00:15:07,540

think about that for a minute or two but

271

00:15:15,759 --> 00:15:10,639

are these ideas of evolution and the

272

00:15:18,610 --> 00:15:15,769

cosmos neutral in its solution ponder

273

00:15:21,129 --> 00:15:18,620

this perhaps life develops in a similar

274

00:15:23,949 --> 00:15:21,139

evolutionary pattern where carbon and

275

00:15:26,710 --> 00:15:23,959

water are available and totally

276
00:15:29,170 --> 00:15:26,720
differently where they are not I am NOT

277
00:15:32,259 --> 00:15:29,180
stating Lee I'm not stating conclusively

278
00:15:35,280 --> 00:15:32,269
that this is the case but certainly it

279
00:15:38,230 --> 00:15:35,290
provides food if not a feast for thought

280
00:15:40,720 --> 00:15:38,240
so just in closing here this is

281
00:15:43,329 --> 00:15:40,730
something I think that the next up group

282
00:15:50,610 --> 00:15:43,339
is coming in but in closing I just want

283
00:15:54,699 --> 00:15:50,620
to show some artists renditions what

284
00:15:56,850 --> 00:15:54,709
what might the aliens look like first of

285
00:16:01,269 --> 00:15:56,860
all we have this picture somebody

286
00:16:03,790 --> 00:16:01,279
painted of the destruction of the

287
00:16:08,169 --> 00:16:03,800
dinosaurs and you can see that comets

288
00:16:11,110 --> 00:16:08,179

coming in or the the meteors coming in

289

00:16:14,530 --> 00:16:11,120

on the core dinosaurs and here I have

290

00:16:17,679 --> 00:16:14,540

two pictures so this is what somebody

291

00:16:22,809 --> 00:16:17,689

apparently said that they saw involving

292

00:16:25,840 --> 00:16:22,819

a an alien of reptilians sort and here's

293

00:16:31,139 --> 00:16:25,850

another one this is we could kind of see

294

00:16:35,139 --> 00:16:31,149

him on top of the other guy there now

295

00:16:38,769 --> 00:16:35,149

here we have a tall blond or Nordic type

296

00:16:41,860 --> 00:16:38,779

alien which is actually the only kind

297

00:16:42,150 --> 00:16:41,870

I've ever seen and I don't even know

298

00:16:44,040 --> 00:16:42,160

that

299

00:16:47,009 --> 00:16:44,050

this was a physical presence could have

300

00:16:52,009 --> 00:16:47,019

been a non-physical presence here we

301
00:16:54,180 --> 00:16:52,019
have a insectoid now in my opinion

302
00:16:56,819 --> 00:16:54,190
insectoids could be what's coming next

303
00:16:59,999 --> 00:16:56,829
because shortly when all the people pass

304
00:17:01,800 --> 00:17:00,009
away and the large mammals go

305
00:17:05,039 --> 00:17:01,810
who's going to come up next on the earth

306
00:17:08,640 --> 00:17:05,049
the insects and will the insects be

307
00:17:10,590 --> 00:17:08,650
intelligent well we look at some of the

308
00:17:15,510 --> 00:17:10,600
insects now that are somewhat

309
00:17:18,689 --> 00:17:15,520
intelligent right bees and ants and

310
00:17:21,029 --> 00:17:18,699
other these are mantis kind of insects

311
00:17:23,460 --> 00:17:21,039
yes one could easily make not an

312
00:17:26,100 --> 00:17:23,470
argument but a statement that insects

313
00:17:29,070 --> 00:17:26,110

are actually much more successful

314

00:17:32,220 --> 00:17:29,080

species and it is almost every metric

315

00:17:34,529 --> 00:17:32,230

that's right I mean in terms of they've

316

00:17:36,600 --> 00:17:34,539

been here much longer than we have their

317

00:17:38,430 --> 00:17:36,610

biomass people the humans on earth with

318

00:17:40,440 --> 00:17:38,440

the most guilty well the insects on

319

00:17:42,750 --> 00:17:40,450

earth put them on the scale I think you

320

00:17:46,260 --> 00:17:42,760

find that they're probably at least ten

321

00:17:48,899 --> 00:17:46,270

times more biomass of insects then you

322

00:17:51,510 --> 00:17:48,909

certainly in terms of ants ants alone

323

00:17:55,830 --> 00:17:51,520

it's two to one I believe is the biomass

324

00:17:58,409 --> 00:17:55,840

of ratio so you know it really depends

325

00:18:00,659 --> 00:17:58,419

on your definition of what successful is

326

00:18:05,039 --> 00:18:00,669

but I have to bring it back to this

327

00:18:08,190 --> 00:18:05,049

issue of the definition of evolution I

328

00:18:10,860 --> 00:18:08,200

think you're I understand what your

329

00:18:12,779 --> 00:18:10,870

ideas are moving towards but I think you

330

00:18:15,659 --> 00:18:12,789

have to in order to make the same

331

00:18:19,289 --> 00:18:15,669

approach and argument you have to get to

332

00:18:21,630 --> 00:18:19,299

the point where you detach the notion of

333

00:18:22,409 --> 00:18:21,640

evolution as we have seen it with life

334

00:18:24,930 --> 00:18:22,419

on Earth

335

00:18:27,419 --> 00:18:24,940

it's a separate issue than the idea of

336

00:18:30,480 --> 00:18:27,429

what evolution is and again I want to

337

00:18:32,070 --> 00:18:30,490

bring it back to this if we assume for a

338

00:18:34,380 --> 00:18:32,080

moment that what is true the whole life

339

00:18:36,940 --> 00:18:34,390

is an instinct for survival the

340

00:18:40,570 --> 00:18:36,950

potential of success for that survive

341

00:18:43,600 --> 00:18:40,580

that is the task of evolution evolution

342

00:18:46,230 --> 00:18:43,610

basically is pushing us towards that

343

00:18:50,230 --> 00:18:46,240

survival by an fx

344

00:18:53,380 --> 00:18:50,240

removing the elements of the species

345

00:18:55,980 --> 00:18:53,390

that will contribute to its down that

346

00:18:59,050 --> 00:18:55,990

will basically not contribute to its

347

00:19:00,970 --> 00:18:59,060

propagation that's really what evolution

348

00:19:03,220 --> 00:19:00,980

evolution is how do we keep hope how

349

00:19:05,230 --> 00:19:03,230

does nature including the life form so

350

00:19:08,640 --> 00:19:05,240

it is potentially more successful at

351

00:19:12,340 --> 00:19:08,650

survival that's a biological life-form

352

00:19:14,500 --> 00:19:12,350

no one no it's not I'm talking about all

353

00:19:17,080 --> 00:19:14,510

life and this is this is the important

354

00:19:20,110 --> 00:19:17,090

point I'm not pleased about biology I'm

355

00:19:22,840 --> 00:19:20,120

saying that survival is intrinsic all

356

00:19:25,330 --> 00:19:22,850

right no matter what that life form is

357

00:19:30,190 --> 00:19:25,340

not just if everything has consciousness

358

00:19:34,090 --> 00:19:30,200

and the consciousness doesn't die then

359

00:19:36,850 --> 00:19:34,100

it's more problems generalizations we

360

00:19:39,520 --> 00:19:36,860

still the best scientists earth today

361

00:19:41,530 --> 00:19:39,530

has no clue of what consciousness is

362

00:19:43,960 --> 00:19:41,540

that's right so it's hard to create

363

00:19:46,480 --> 00:19:43,970

boundaries around something or

364

00:19:48,070 --> 00:19:46,490

containers around something that we have

365

00:19:51,430 --> 00:19:48,080

and again I think it's important to

366

00:19:56,350 --> 00:19:51,440

point this out zero comprehension of

367

00:19:59,830 --> 00:19:56,360

zero not 1% not a half a percent zero it

368

00:20:01,360 --> 00:19:59,840

is perhaps the greatest mystery facing

369

00:20:03,280 --> 00:20:01,370

humans it's the hard problem of

370

00:20:04,990 --> 00:20:03,290

consciousness and philosophy is what

371

00:20:10,540 --> 00:20:05,000

you're speaking of yeah and it does

372

00:20:12,610 --> 00:20:10,550

exist but if it does it does imply that

373

00:20:16,560 --> 00:20:12,620

we're more than our physical bodies and

374

00:20:19,600 --> 00:20:16,570

that a star couldn't be conscious

375

00:20:21,970 --> 00:20:19,610

not only do I not disagree with that I

376

00:20:24,070 --> 00:20:21,980

think that that actually is the route

377

00:20:26,530 --> 00:20:24,080

that stories to lead us to earth getting

378

00:20:28,090 --> 00:20:26,540

real answers I think that the problem

379

00:20:30,850 --> 00:20:28,100

with humans is that were far too you

380

00:20:34,580 --> 00:20:30,860

know yeah I agree I do think that we're

381

00:20:38,980 --> 00:20:34,590

far too focused on humans

382

00:20:42,649 --> 00:20:38,990

the detriment of other sentient

383

00:20:46,640 --> 00:20:42,659

consciousness so just as a final thing a

384

00:20:48,880 --> 00:20:46,650

lot of people purport to see greys and

385

00:20:52,730 --> 00:20:48,890

so I brought a little picture of greys

386

00:20:56,890 --> 00:20:52,740

just for your entertainment so that

387

00:21:05,240 --> 00:20:56,900

concludes the first part of my lecture

388

00:21:08,360 --> 00:21:05,250

thank you please feel free to take a

389

00:21:10,220 --> 00:21:08,370

shot at reality podcast business card

390

00:21:13,430 --> 00:21:10,230

which are newly minted

391

00:21:27,310 --> 00:21:13,440

they're limited with our lovely photo of