

# Point of Convergence

PODCAST



Hosted by ExoAcademician

EPISODE #51

*The Others in Our Midst:  
An Exploration of the Array  
of Hypotheses Put Forth to  
Explain Their Source/Origin*



ON YOUTUBE & YOUR FAVORITE  
PODCASTING PLATFORM

1  
00:00:02,880 --> 00:00:08,710

[Music]

2  
00:00:14,709 --> 00:00:12,150

hello and welcome to episode number 51

3  
00:00:18,950 --> 00:00:14,719

of the point of convergence podcast as

4  
00:00:21,750 --> 00:00:18,960

always i am your host exo academian

5  
00:00:23,670 --> 00:00:21,760

in last week's episode i postulated that

6  
00:00:25,670 --> 00:00:23,680

part of the reason why it's so difficult

7  
00:00:28,310 --> 00:00:25,680

to make sense of the actions of the

8  
00:00:31,269 --> 00:00:28,320

intelligence behind the ufo phenomenon

9  
00:00:33,430 --> 00:00:31,279

is because in reality that broad range

10  
00:00:35,270 --> 00:00:33,440

of activity is not the result of a

11  
00:00:37,750 --> 00:00:35,280

single actor

12  
00:00:40,790 --> 00:00:37,760

the data ends up looking nonsensical and

13  
00:00:43,350 --> 00:00:40,800

contradictory to us because in one case

14

00:00:46,310 --> 00:00:43,360

a so-called alien intelligence says or

15

00:00:48,389 --> 00:00:46,320

does one thing and then in the next case

16

00:00:50,630 --> 00:00:48,399

it does the seeming opposite

17

00:00:53,270 --> 00:00:50,640

but as i argued that apparent

18

00:00:55,830 --> 00:00:53,280

contradiction only exists when we assume

19

00:00:57,350 --> 00:00:55,840

a single intelligence and agenda is

20

00:00:59,349 --> 00:00:57,360

involved

21

00:01:00,709 --> 00:00:59,359

from my point of view the reality is

22

00:01:02,229 --> 00:01:00,719

anything but

23

00:01:05,030 --> 00:01:02,239

i think what we're dealing with is a

24

00:01:07,030 --> 00:01:05,040

multi-dimensional multiverse absolutely

25

00:01:08,870 --> 00:01:07,040

teeming with life

26

00:01:10,710 --> 00:01:08,880

and while trickster phenomena are

27

00:01:13,030 --> 00:01:10,720

undoubtedly in the mix

28

00:01:15,990 --> 00:01:13,040

that alone from my point of view doesn't

29

00:01:18,710 --> 00:01:16,000

explain the bizarre mishmash of actions

30

00:01:21,190 --> 00:01:18,720

we see evidenced in the data

31

00:01:23,910 --> 00:01:21,200

again i think the wide range of activity

32

00:01:25,830 --> 00:01:23,920

and messages attributed to these others

33

00:01:28,070 --> 00:01:25,840

makes most sense when we think about

34

00:01:30,630 --> 00:01:28,080

them as being different groups

35

00:01:33,749 --> 00:01:30,640

often with different agendas as well as

36

00:01:35,510 --> 00:01:33,759

different sources slash origins

37

00:01:37,670 --> 00:01:35,520

i also made the point in last week's

38

00:01:40,230 --> 00:01:37,680

episode that while various researchers

39

00:01:42,950 --> 00:01:40,240

tend to focus on one subset of the data

40

00:01:45,590 --> 00:01:42,960

while ignoring dismissing or downplaying

41

00:01:47,350 --> 00:01:45,600

the rest this is the wrong approach

42

00:01:49,749 --> 00:01:47,360

especially if our goal is to gain a

43

00:01:52,469 --> 00:01:49,759

greater understanding as to the totality

44

00:01:54,550 --> 00:01:52,479

of what's going on and more importantly

45

00:01:57,109 --> 00:01:54,560

to gain further clarity on the very

46

00:01:58,630 --> 00:01:57,119

fabric of ultimate reality

47

00:02:00,709 --> 00:01:58,640

i think our approach should be to

48

00:02:02,630 --> 00:02:00,719

attempt to identify patterns within the

49

00:02:04,709 --> 00:02:02,640

totality of the data

50

00:02:07,350 --> 00:02:04,719

and as we do that i think we'll find

51  
00:02:09,510 --> 00:02:07,360  
that one particular hypothesis might

52  
00:02:11,589 --> 00:02:09,520  
better fit one aspect of the data while

53  
00:02:13,750 --> 00:02:11,599  
perhaps a different hypothesis better

54  
00:02:15,750 --> 00:02:13,760  
fits a different segment

55  
00:02:18,309 --> 00:02:15,760  
in other words in no way should we

56  
00:02:20,150 --> 00:02:18,319  
consider these various hypotheses to be

57  
00:02:22,150 --> 00:02:20,160  
mutually exclusive

58  
00:02:23,910 --> 00:02:22,160  
in fact i think it's only in combining

59  
00:02:25,990 --> 00:02:23,920  
them within some overarching

60  
00:02:28,710 --> 00:02:26,000  
meta-conception that we can hope to

61  
00:02:31,589 --> 00:02:28,720  
achieve some semblance of clarity as to

62  
00:02:34,150 --> 00:02:31,599  
the source and nature of these various

63  
00:02:35,910 --> 00:02:34,160

mysterious others

64

00:02:38,309 --> 00:02:35,920

in addition to the confusion that can

65

00:02:40,949 --> 00:02:38,319

arise when we have data that effectively

66

00:02:42,390 --> 00:02:40,959

is a jumble of activity based on many

67

00:02:43,670 --> 00:02:42,400

different kinds of non-human

68

00:02:45,350 --> 00:02:43,680

intelligence

69

00:02:47,509 --> 00:02:45,360

one aspect of that data that seems

70

00:02:50,150 --> 00:02:47,519

particularly confounding is the

71

00:02:52,470 --> 00:02:50,160

regularly reported humanoid form of

72

00:02:54,309 --> 00:02:52,480

these so-called aliens

73

00:02:56,710 --> 00:02:54,319

now on the one hand one might want to

74

00:02:59,350 --> 00:02:56,720

disregard these reports as being an

75

00:03:01,190 --> 00:02:59,360

anthropocentric tendency based on people

76

00:03:03,750 --> 00:03:01,200

who didn't see very clearly during a

77

00:03:05,509 --> 00:03:03,760

certain contact or abduction experience

78

00:03:06,550 --> 00:03:05,519

or who are suffering from a failing

79

00:03:08,869 --> 00:03:06,560

memory

80

00:03:09,990 --> 00:03:08,879

and that might work for one or a few

81

00:03:12,229 --> 00:03:10,000

cases

82

00:03:14,790 --> 00:03:12,239

but as i already stated these humanoid

83

00:03:17,990 --> 00:03:14,800

forms are described again and again and

84

00:03:19,910 --> 00:03:18,000

again in the ufo phenomenon literature

85

00:03:22,949 --> 00:03:19,920

so much so that we surely can't explain

86

00:03:26,070 --> 00:03:22,959

this all away as blatant inherent bias

87

00:03:28,229 --> 00:03:26,080

in this broad assortment of witnesses

88

00:03:30,789 --> 00:03:28,239

not very long ago on this podcast we

89

00:03:33,430 --> 00:03:30,799

discussed the future human hypothesis

90

00:03:35,830 --> 00:03:33,440

and how this helps to elegantly explain

91

00:03:38,869 --> 00:03:35,840

why these others so often appear to not

92

00:03:40,949 --> 00:03:38,879

only be humanoids but actually hominids

93

00:03:44,070 --> 00:03:40,959

in other words biological beings

94

00:03:45,830 --> 00:03:44,080

directly descended from human beings

95

00:03:48,070 --> 00:03:45,840

but are there other possibilities that

96

00:03:50,149 --> 00:03:48,080

deserve consideration as a plausible

97

00:03:51,830 --> 00:03:50,159

explanation for their uncanny

98

00:03:54,390 --> 00:03:51,840

resemblance to us

99

00:03:56,630 --> 00:03:54,400

i believe there are and we'll explore

100

00:03:59,190 --> 00:03:56,640

both those possibilities as well as how

101  
00:04:02,070 --> 00:03:59,200  
various proposed hypotheses might weave

102  
00:04:05,110 --> 00:04:02,080  
together to form a fabric robust enough

103  
00:04:07,429 --> 00:04:05,120  
to contain the plurality of alien others

104  
00:04:10,550 --> 00:04:07,439  
that have been reported over time

105  
00:04:13,910 --> 00:04:10,560  
in this the 51st episode of the point of

106  
00:04:17,110 --> 00:04:13,920  
convergence podcast

107  
00:04:19,030 --> 00:04:17,120  
[Music]

108  
00:04:20,310 --> 00:04:19,040  
as we begin this week's episode i would

109  
00:04:22,469 --> 00:04:20,320  
just like to bring to your attention

110  
00:04:24,950 --> 00:04:22,479  
that this is part two of a two-part

111  
00:04:27,430 --> 00:04:24,960  
series that we began last week in

112  
00:04:28,950 --> 00:04:27,440  
episode 50. so if you haven't heard that

113  
00:04:30,870 --> 00:04:28,960

yet you might want to go back and listen

114

00:04:33,350 --> 00:04:30,880

to that first and then return to this

115

00:04:35,510 --> 00:04:33,360

episode number 51.

116

00:04:37,110 --> 00:04:35,520

now in that episode last week i

117

00:04:39,350 --> 00:04:37,120

mentioned that this week we would pick

118

00:04:41,510 --> 00:04:39,360

up where we left off and talk about the

119

00:04:44,230 --> 00:04:41,520

different hypotheses the broad brush

120

00:04:47,749 --> 00:04:44,240

hypotheses that attempt to make sense of

121

00:04:49,909 --> 00:04:47,759

the data we see in the ufo phenomenon

122

00:04:52,230 --> 00:04:49,919

now of course number one that everyone

123

00:04:54,710 --> 00:04:52,240

is aware of is the extraterrestrial

124

00:04:57,030 --> 00:04:54,720

hypothesis this is the notion that these

125

00:04:59,670 --> 00:04:57,040

are non-human intelligences they are

126

00:05:02,629 --> 00:04:59,680

biological beings who are coming from

127

00:05:05,270 --> 00:05:02,639

planets tied to star systems tied to

128

00:05:08,070 --> 00:05:05,280

galaxies they may be coming from our own

129

00:05:10,469 --> 00:05:08,080

galaxy or from far away from a galaxy

130

00:05:12,710 --> 00:05:10,479

even further away than the milky way but

131

00:05:15,430 --> 00:05:12,720

bottom line is that they are biological

132

00:05:18,310 --> 00:05:15,440

beings who traveled here either through

133

00:05:20,390 --> 00:05:18,320

advanced spacecraft or by a combination

134

00:05:22,870 --> 00:05:20,400

of advanced spacecraft and something

135

00:05:24,790 --> 00:05:22,880

like wormholes that would allow them to

136

00:05:27,189 --> 00:05:24,800

warp space-time and get here much more

137

00:05:29,590 --> 00:05:27,199

quickly and much more efficiently

138

00:05:31,590 --> 00:05:29,600

that's number one the extraterrestrial

139

00:05:33,670 --> 00:05:31,600

hypothesis

140

00:05:35,990 --> 00:05:33,680

next up we have the interdimensional

141

00:05:37,749 --> 00:05:36,000

hypothesis now as i've mentioned many

142

00:05:40,469 --> 00:05:37,759

times on this podcast

143

00:05:43,110 --> 00:05:40,479

jacques valley and j allen heineck ended

144

00:05:45,510 --> 00:05:43,120

up championing this kind of hypothesis

145

00:05:47,990 --> 00:05:45,520

even though they began as proponents of

146

00:05:50,230 --> 00:05:48,000

the extraterrestrial hypothesis

147

00:05:52,390 --> 00:05:50,240

the reason why they began to question

148

00:05:54,070 --> 00:05:52,400

the extraterrestrial hypothesis

149

00:05:56,629 --> 00:05:54,080

is because there is so much high

150

00:05:59,110 --> 00:05:56,639

strangeness in the data and remember

151  
00:06:01,189 --> 00:05:59,120  
these are first-hand researchers going

152  
00:06:03,189 --> 00:06:01,199  
in and interviewing witnesses

153  
00:06:05,189 --> 00:06:03,199  
family friends co-workers of these

154  
00:06:07,670 --> 00:06:05,199  
witnesses gathering as much on the

155  
00:06:09,830 --> 00:06:07,680  
ground data as is available and then

156  
00:06:11,510 --> 00:06:09,840  
trying to make sense of that data and

157  
00:06:14,150 --> 00:06:11,520  
again because there is so much high

158  
00:06:17,029 --> 00:06:14,160  
strangeness so many apparent paranormal

159  
00:06:19,510 --> 00:06:17,039  
activities that seem to co-arise with

160  
00:06:21,110 --> 00:06:19,520  
the arising of these supposed

161  
00:06:23,830 --> 00:06:21,120  
extraterrestrials

162  
00:06:26,150 --> 00:06:23,840  
both people like valet and heinek who at

163  
00:06:28,710 --> 00:06:26,160

one point worked together concluded that

164

00:06:29,830 --> 00:06:28,720

this is perhaps not extraterrestrial in

165

00:06:31,909 --> 00:06:29,840

nature

166

00:06:34,390 --> 00:06:31,919

now in jacques villa's case he also

167

00:06:37,110 --> 00:06:34,400

later on went and investigated

168

00:06:39,270 --> 00:06:37,120

researched in-depth fairy lore we're

169

00:06:42,390 --> 00:06:39,280

specifically talking mostly about

170

00:06:45,510 --> 00:06:42,400

european fairy lore from ancient history

171

00:06:49,029 --> 00:06:45,520

and how that relates to similarities

172

00:06:51,510 --> 00:06:49,039

with reports from supposed modern ufo

173

00:06:52,550 --> 00:06:51,520

sightings and interactions with supposed

174

00:06:54,309 --> 00:06:52,560

aliens

175

00:06:56,150 --> 00:06:54,319

what valet saw was that there is a lot

176

00:06:58,469 --> 00:06:56,160

of overlap even in terms of the

177

00:07:00,950 --> 00:06:58,479

appearance as well as the actions of

178

00:07:02,790 --> 00:07:00,960

these others and so valet began to

179

00:07:05,749 --> 00:07:02,800

wonder perhaps these aren't different

180

00:07:07,990 --> 00:07:05,759

groups at all but rather the same group

181

00:07:10,629 --> 00:07:08,000

over time just seen differently because

182

00:07:13,189 --> 00:07:10,639

of our expectations our conceptions

183

00:07:15,909 --> 00:07:13,199

obviously for modern human beings the

184

00:07:18,230 --> 00:07:15,919

final frontier is outer space at this

185

00:07:21,749 --> 00:07:18,240

point in our development and so when we

186

00:07:24,230 --> 00:07:21,759

run into beings that seem so other to us

187

00:07:27,110 --> 00:07:24,240

our initial assumption is they must be

188

00:07:29,270 --> 00:07:27,120

aliens space aliens in other words

189

00:07:31,270 --> 00:07:29,280

biological beings arising from other

190

00:07:33,749 --> 00:07:31,280

planets and traveling here in

191

00:07:35,749 --> 00:07:33,759

sophisticated spacecraft of course that

192

00:07:37,909 --> 00:07:35,759

wasn't the assumption in

193

00:07:39,830 --> 00:07:37,919

the middle ages for instance in europe

194

00:07:41,589 --> 00:07:39,840

so their lens might have been different

195

00:07:43,510 --> 00:07:41,599

which led them to interpret the

196

00:07:46,070 --> 00:07:43,520

experience differently and come to

197

00:07:48,629 --> 00:07:46,080

different conclusions about the origin

198

00:07:50,390 --> 00:07:48,639

of these others that they were namely

199

00:07:52,230 --> 00:07:50,400

magical creatures that could appear out

200

00:07:54,550 --> 00:07:52,240

of nowhere basically

201  
00:07:56,469 --> 00:07:54,560  
and it's important to note here that it

202  
00:07:59,189 --> 00:07:56,479  
may be that this is just about human

203  
00:08:01,589 --> 00:07:59,199  
beings and our lens our bias and how we

204  
00:08:03,510 --> 00:08:01,599  
apply that to things we come across

205  
00:08:05,189 --> 00:08:03,520  
differently over time

206  
00:08:07,749 --> 00:08:05,199  
but it may also be the case that some

207  
00:08:09,749 --> 00:08:07,759  
sort of combination or mutuality or

208  
00:08:12,790 --> 00:08:09,759  
relationship exists where

209  
00:08:14,950 --> 00:08:12,800  
our perceptions our expectations also

210  
00:08:17,830 --> 00:08:14,960  
play a role in what we actually end up

211  
00:08:20,070 --> 00:08:17,840  
experiencing especially if these beings

212  
00:08:22,629 --> 00:08:20,080  
somehow are not embodied in quite the

213  
00:08:23,350 --> 00:08:22,639

same way we think of beings as likely to

214

00:08:25,909 --> 00:08:23,360

be

215

00:08:27,749 --> 00:08:25,919

if they are not densely embodied like us

216

00:08:29,909 --> 00:08:27,759

or if they have a different modality

217

00:08:32,310 --> 00:08:29,919

they can take on then perhaps they are a

218

00:08:35,350 --> 00:08:32,320

combination of something real and

219

00:08:37,670 --> 00:08:35,360

biological or semi-biological but

220

00:08:38,829 --> 00:08:37,680

they're also to some degree a reflection

221

00:08:41,029 --> 00:08:38,839

of our own

222

00:08:43,110 --> 00:08:41,039

expectations again there's a lot of

223

00:08:45,350 --> 00:08:43,120

complexity here but this is basically

224

00:08:46,310 --> 00:08:45,360

the notion that people like valet came

225

00:08:50,630 --> 00:08:46,320

to

226

00:08:52,710 --> 00:08:50,640

with this interdimensional hypothesis

227

00:08:54,870 --> 00:08:52,720

we're talking about beings perhaps

228

00:08:57,509 --> 00:08:54,880

biological perhaps some combination of

229

00:08:59,750 --> 00:08:57,519

biological and energetic

230

00:09:02,389 --> 00:08:59,760

coming from a different reality perhaps

231

00:09:05,190 --> 00:09:02,399

a parallel earth or parallel universe

232

00:09:07,430 --> 00:09:05,200

that can pop in and out of our reality

233

00:09:09,910 --> 00:09:07,440

and this explains their ability to show

234

00:09:11,750 --> 00:09:09,920

up suddenly and then disappear suddenly

235

00:09:14,470 --> 00:09:11,760

and also explains why we only come

236

00:09:17,350 --> 00:09:14,480

across them in certain situations and

237

00:09:18,870 --> 00:09:17,360

when certain conditions are met

238

00:09:20,790 --> 00:09:18,880

so that's the first two the

239

00:09:23,030 --> 00:09:20,800

extraterrestrial hypothesis and the

240

00:09:24,870 --> 00:09:23,040

interdimensional hypothesis

241

00:09:27,430 --> 00:09:24,880

now it should be said that in popular

242

00:09:28,949 --> 00:09:27,440

culture the extraterrestrial hypothesis

243

00:09:32,389 --> 00:09:28,959

is still the most common one you come

244

00:09:34,389 --> 00:09:32,399

across when people think about ufos

245

00:09:36,949 --> 00:09:34,399

even when you pay attention to modern

246

00:09:39,110 --> 00:09:36,959

media discussing what's going on in

247

00:09:41,750 --> 00:09:39,120

congress in terms of establishing

248

00:09:44,310 --> 00:09:41,760

official bodies designed to

249

00:09:46,710 --> 00:09:44,320

study this phenomenon if they talk about

250

00:09:49,110 --> 00:09:46,720

something off-world they mean

251

00:09:50,710 --> 00:09:49,120

extraterrestrial that's really the only

252

00:09:52,870 --> 00:09:50,720

possibility that's being considered

253

00:09:55,350 --> 00:09:52,880

beyond conventional prosaic human

254

00:09:57,030 --> 00:09:55,360

explanations at this point

255

00:09:59,110 --> 00:09:57,040

but for those who have a deep

256

00:10:01,350 --> 00:09:59,120

familiarity with this data the

257

00:10:04,630 --> 00:10:01,360

interdimensional hypothesis is probably

258

00:10:06,310 --> 00:10:04,640

the more common one adhered to but it's

259

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

also important here to point out that it

260

00:10:10,710 --> 00:10:08,880

could be some combination of the two in

261

00:10:13,190 --> 00:10:10,720

other words we could have beings that

262

00:10:15,750 --> 00:10:13,200

did arise on some planet in some

263

00:10:18,150 --> 00:10:15,760

far-flung star system but in an

264

00:10:20,389 --> 00:10:18,160

alternate reality to ours so in that

265

00:10:22,230 --> 00:10:20,399

sense you have a combination of the two

266

00:10:25,110 --> 00:10:22,240

and i always like to say to people don't

267

00:10:26,310 --> 00:10:25,120

become too wooden too concretized in how

268

00:10:29,110 --> 00:10:26,320

you think about these different

269

00:10:31,590 --> 00:10:29,120

hypotheses because our view of reality

270

00:10:33,269 --> 00:10:31,600

itself may be somewhat wanting in fact

271

00:10:36,389 --> 00:10:33,279

i'm pretty sure it is and therefore we

272

00:10:37,990 --> 00:10:36,399

should hold all of this lightly

273

00:10:40,069 --> 00:10:38,000

so that takes care of the first two

274

00:10:43,269 --> 00:10:40,079

hypotheses that are most commonly put

275

00:10:45,269 --> 00:10:43,279

forward to make sense of this phenomenon

276

00:10:47,590 --> 00:10:45,279

of course there are others

277

00:10:49,750 --> 00:10:47,600

now we last week also talked about the

278

00:10:52,310 --> 00:10:49,760

extra dimensional hypothesis

279

00:10:54,630 --> 00:10:52,320

and here i'm talking about a notion of

280

00:10:57,269 --> 00:10:54,640

beings who are coming from outside of

281

00:10:59,350 --> 00:10:57,279

space time construct altogether

282

00:11:01,590 --> 00:10:59,360

so let's make sense of this

283

00:11:03,670 --> 00:11:01,600

initially you have kind of a view where

284

00:11:06,230 --> 00:11:03,680

there is one universe and that is the

285

00:11:07,750 --> 00:11:06,240

sum total of everything and if beings

286

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

are coming here who are not

287

00:11:12,069 --> 00:11:10,079

conventionally human and not even native

288

00:11:15,430 --> 00:11:12,079

to the earth then they must be coming

289

00:11:18,069 --> 00:11:15,440

from some other location in the cosmos

290

00:11:20,310 --> 00:11:18,079

in the one cosmos that is the totality

291

00:11:22,550 --> 00:11:20,320

of everything and again most likely we

292

00:11:25,509 --> 00:11:22,560

think of them as coming from some planet

293

00:11:27,190 --> 00:11:25,519

in some star system in some galaxy now

294

00:11:29,509 --> 00:11:27,200

interdimensional takes it one step

295

00:11:31,430 --> 00:11:29,519

further and says perhaps according to

296

00:11:33,829 --> 00:11:31,440

the many worlds hypothesis there are

297

00:11:35,269 --> 00:11:33,839

multiple universes multiple worlds

298

00:11:37,670 --> 00:11:35,279

that's where the many worlds notion

299

00:11:39,670 --> 00:11:37,680

comes from and that these others may be

300

00:11:41,910 --> 00:11:39,680

coming here from one of those other

301

00:11:44,150 --> 00:11:41,920

realities those parallel realities it

302

00:11:46,710 --> 00:11:44,160

could even be a parallel earth so in

303

00:11:49,430 --> 00:11:46,720

that sense a long distance is not really

304

00:11:51,829 --> 00:11:49,440

the issue it's about transversing that

305

00:11:53,430 --> 00:11:51,839

membrane between realities

306

00:11:54,710 --> 00:11:53,440

that perhaps that's what these beings

307

00:11:56,069 --> 00:11:54,720

are doing

308

00:11:57,910 --> 00:11:56,079

but with the extra dimensional

309

00:11:59,990 --> 00:11:57,920

hypothesis we're not talking about

310

00:12:01,509 --> 00:12:00,000

either of those possibilities

311

00:12:04,069 --> 00:12:01,519

we're suggesting that there may be

312

00:12:06,790 --> 00:12:04,079

beings who exist outside of that

313

00:12:09,190 --> 00:12:06,800

space-time construct altogether who are

314

00:12:10,629 --> 00:12:09,200

not members of the multiverse as we

315

00:12:12,870 --> 00:12:10,639

think about it

316

00:12:15,350 --> 00:12:12,880

rather they are according to some

317

00:12:18,629 --> 00:12:15,360

people's conceptions very close to the

318

00:12:21,110 --> 00:12:18,639

central source of the entire multiverse

319

00:12:23,670 --> 00:12:21,120

the creator if you will the ultimate

320

00:12:25,509 --> 00:12:23,680

intelligence behind everything

321

00:12:27,829 --> 00:12:25,519

there are various reasons why people

322

00:12:29,750 --> 00:12:27,839

think about these beings in this way

323

00:12:31,829 --> 00:12:29,760

partly it's because they remind them of

324

00:12:34,710 --> 00:12:31,839

angels in the sense that they are not

325

00:12:36,550 --> 00:12:34,720

only seemingly composed of light and not

326

00:12:39,030 --> 00:12:36,560

matter but because they are often

327

00:12:41,110 --> 00:12:39,040

described as very good beings benevolent

328

00:12:43,269 --> 00:12:41,120

beings who mean us well when you think

329

00:12:45,670 --> 00:12:43,279

about guardian angels people are talking

330

00:12:48,230 --> 00:12:45,680

about these types of beings these

331

00:12:51,670 --> 00:12:48,240

celestial types as i mentioned in last

332

00:12:54,069 --> 00:12:51,680

week's episode angels demons and dorothy

333

00:12:56,550 --> 00:12:54,079

isaac's beings of light all fall within

334

00:12:59,829 --> 00:12:56,560

their celestial categories beings that

335

00:13:03,190 --> 00:12:59,839

do not seem to be embodied at all don't

336

00:13:05,750 --> 00:13:03,200

seem to be biological at all and don't

337

00:13:08,710 --> 00:13:05,760

seem to arise from within the space-time

338

00:13:10,710 --> 00:13:08,720

construct at all so that's the extra

339

00:13:12,230 --> 00:13:10,720

dimensional hypothesis

340

00:13:14,069 --> 00:13:12,240

and as i describe these various

341

00:13:16,389 --> 00:13:14,079

hypotheses i want you to keep in mind

342

00:13:18,470 --> 00:13:16,399

that what i'm suggesting is that

343

00:13:20,550 --> 00:13:18,480

different hypotheses can describe

344

00:13:22,790 --> 00:13:20,560

different aspects of the data so you

345

00:13:24,870 --> 00:13:22,800

might take a subset of the data notice a

346

00:13:27,190 --> 00:13:24,880

certain pattern occurring and it might

347

00:13:28,790 --> 00:13:27,200

fit one type of entity perhaps

348

00:13:30,949 --> 00:13:28,800

interdimensional perhaps

349

00:13:32,870 --> 00:13:30,959

extraterrestrial or based on what we

350

00:13:35,269 --> 00:13:32,880

just talked about perhaps extra

351  
00:13:37,269 --> 00:13:35,279  
dimensional and only by combining all of

352  
00:13:39,430 --> 00:13:37,279  
these do we then end up with something

353  
00:13:41,350 --> 00:13:39,440  
that looks like a more complete picture

354  
00:13:42,870 --> 00:13:41,360  
of what people are encountering over

355  
00:13:44,949 --> 00:13:42,880  
time

356  
00:13:47,189 --> 00:13:44,959  
now while those hypotheses we just

357  
00:13:49,110 --> 00:13:47,199  
mentioned are the most common

358  
00:13:51,430 --> 00:13:49,120  
another one that's arisen more recently

359  
00:13:54,470 --> 00:13:51,440  
that has gained a lot of credibility is

360  
00:13:55,910 --> 00:13:54,480  
the so-called future human hypothesis

361  
00:13:57,990 --> 00:13:55,920  
now we discussed this over three

362  
00:14:00,069 --> 00:13:58,000  
different episodes quite recently so if

363  
00:14:02,470 --> 00:14:00,079

you are familiar with those episodes you

364

00:14:04,550 --> 00:14:02,480

know exactly what i'm talking about for

365

00:14:06,949 --> 00:14:04,560

those of you who are not so familiar the

366

00:14:09,430 --> 00:14:06,959

idea is that because some of these

367

00:14:11,829 --> 00:14:09,440

graves look so much like us this

368

00:14:14,230 --> 00:14:11,839

suggests that they are in fact our very

369

00:14:16,470 --> 00:14:14,240

biological descendants that if time

370

00:14:19,829 --> 00:14:16,480

traveled back from the future to our

371

00:14:22,470 --> 00:14:19,839

time period this notion this hypothesis

372

00:14:25,110 --> 00:14:22,480

is developed quite elegantly in michael

373

00:14:27,829 --> 00:14:25,120

master's excellent book identified

374

00:14:31,189 --> 00:14:27,839

flying objects and he calls these beings

375

00:14:34,150 --> 00:14:31,199

extra terrestrials because actually they

376

00:14:36,230 --> 00:14:34,160

are not not from here they are from here

377

00:14:38,550 --> 00:14:36,240

but they're from outside of our time

378

00:14:43,269 --> 00:14:38,560

therefore they're extra tempestrial

379

00:14:47,030 --> 00:14:45,110

so if you have a history with this

380

00:14:50,150 --> 00:14:47,040

phenomenon with this literature behind

381

00:14:52,470 --> 00:14:50,160

ufos and alien beings you've probably

382

00:14:54,310 --> 00:14:52,480

heard of each of the previous hypotheses

383

00:14:55,990 --> 00:14:54,320

i just outlined

384

00:14:58,069 --> 00:14:56,000

now let's touch on a couple that you may

385

00:15:01,269 --> 00:14:58,079

not have heard of the first is the

386

00:15:03,670 --> 00:15:01,279

so-called psychosocial hypothesis

387

00:15:07,269 --> 00:15:03,680

the idea here is that psychosocial

388

00:15:10,310 --> 00:15:07,279

dynamics archetypes and collective psy

389

00:15:12,790 --> 00:15:10,320

phenomena and even mass hysteria can

390

00:15:14,069 --> 00:15:12,800

play a role in the arising of these

391

00:15:16,150 --> 00:15:14,079

entities

392

00:15:18,389 --> 00:15:16,160

now while you may at first balk at this

393

00:15:20,310 --> 00:15:18,399

notion because it seems to mock the idea

394

00:15:22,790 --> 00:15:20,320

that these could actually be real but

395

00:15:25,189 --> 00:15:22,800

rather their hallucinations arising from

396

00:15:27,189 --> 00:15:25,199

mass hysteria like we said or some sort

397

00:15:29,269 --> 00:15:27,199

of collective delusion

398

00:15:31,350 --> 00:15:29,279

it's not quite that simple because when

399

00:15:33,110 --> 00:15:31,360

you look into the sci spectrum for

400

00:15:36,230 --> 00:15:33,120

instance with human beings and the

401  
00:15:38,949 --> 00:15:36,240  
history of entities such as egregors or

402  
00:15:41,670 --> 00:15:38,959  
tulpas you find that there actually

403  
00:15:43,430 --> 00:15:41,680  
apparently are historical cases where

404  
00:15:45,910 --> 00:15:43,440  
human beings have gotten together and

405  
00:15:48,150 --> 00:15:45,920  
collectively been able to actually

406  
00:15:51,030 --> 00:15:48,160  
assign certain characteristics to some

407  
00:15:53,829 --> 00:15:51,040  
imaginary being who then takes on some

408  
00:15:56,069 --> 00:15:53,839  
sort of independent existence in other

409  
00:15:58,150 --> 00:15:56,079  
words it's not just in the collective

410  
00:16:01,189 --> 00:15:58,160  
shared imagination of a certain group of

411  
00:16:03,670 --> 00:16:01,199  
people but that in some way this entity

412  
00:16:05,749 --> 00:16:03,680  
takes on an ontological status that goes

413  
00:16:08,629 --> 00:16:05,759

beyond just the imagination of those

414

00:16:10,550 --> 00:16:08,639

people furthermore there have been cases

415

00:16:13,189 --> 00:16:10,560

in the historical literature where some

416

00:16:15,509 --> 00:16:13,199

of these entities that have taken life

417

00:16:18,069 --> 00:16:15,519

based on the intentionality expressed by

418

00:16:20,230 --> 00:16:18,079

a group of people and then been able to

419

00:16:23,189 --> 00:16:20,240

interact with those very people after

420

00:16:25,509 --> 00:16:23,199

the fact and even manifest in physical

421

00:16:27,590 --> 00:16:25,519

reality for instance shaking a table or

422

00:16:29,430 --> 00:16:27,600

moving a chair in a room

423

00:16:31,509 --> 00:16:29,440

now i understand if you're coming from

424

00:16:34,389 --> 00:16:31,519

more of a nuts and bolts perspective not

425

00:16:36,949 --> 00:16:34,399

only to the ufo phenomenon but to life

426

00:16:39,269 --> 00:16:36,959

in general to the fabric of reality

427

00:16:40,949 --> 00:16:39,279

that's going to sound outlandish to you

428

00:16:43,030 --> 00:16:40,959

all i would say to you is that there is

429

00:16:44,310 --> 00:16:43,040

quite a bit of evidence for this and

430

00:16:46,470 --> 00:16:44,320

especially when you go outside of

431

00:16:49,670 --> 00:16:46,480

western civilization and some of the

432

00:16:51,829 --> 00:16:49,680

assumptions of reductive materialism

433

00:16:54,470 --> 00:16:51,839

this is actually quite common this is an

434

00:16:56,470 --> 00:16:54,480

expectation in some other cultures and

435

00:16:59,350 --> 00:16:56,480

again to make it clear there have been

436

00:17:01,269 --> 00:16:59,360

cases even within western civilization

437

00:17:02,550 --> 00:17:01,279

where such attempts like this have been

438

00:17:03,990 --> 00:17:02,560

successful

439

00:17:05,669 --> 00:17:04,000

so i just want to make that clear that

440

00:17:08,069 --> 00:17:05,679

we're talking about two different kinds

441

00:17:09,909 --> 00:17:08,079

of psychosocial phenomena here on the

442

00:17:12,470 --> 00:17:09,919

one hand you have something like mass

443

00:17:14,789 --> 00:17:12,480

hysteria or collective delusion which

444

00:17:16,390 --> 00:17:14,799

suggests that nothing is really going on

445

00:17:18,390 --> 00:17:16,400

behind the scenes

446

00:17:20,870 --> 00:17:18,400

but you also have cases where

447

00:17:23,990 --> 00:17:20,880

psychosocial effects can arise that

448

00:17:26,630 --> 00:17:24,000

actually seem to imbue certain entities

449

00:17:28,230 --> 00:17:26,640

with an ontological status they become

450

00:17:30,310 --> 00:17:28,240

real

451  
00:17:32,070 --> 00:17:30,320  
again i understand that for some of you

452  
00:17:34,470 --> 00:17:32,080  
some of these notions will sound quite

453  
00:17:36,950 --> 00:17:34,480  
outlandish but again there is quite a

454  
00:17:39,510 --> 00:17:36,960  
bit of evidence for them we will go into

455  
00:17:41,270 --> 00:17:39,520  
this in greater detail in future podcast

456  
00:17:43,830 --> 00:17:41,280  
episodes when we have more time to

457  
00:17:45,830 --> 00:17:43,840  
devote specifically to this topic

458  
00:17:47,510 --> 00:17:45,840  
but just generally let me say that there

459  
00:17:49,669 --> 00:17:47,520  
are sort of three different kinds of

460  
00:17:52,870 --> 00:17:49,679  
thought form kind of entities

461  
00:17:55,350 --> 00:17:52,880  
tulpas egregors and servitors

462  
00:17:58,390 --> 00:17:55,360  
now a tulpa is created by a person and

463  
00:18:00,710 --> 00:17:58,400

is a thought form that has autonomy and

464

00:18:02,789 --> 00:18:00,720

some degree of free will then you have

465

00:18:04,870 --> 00:18:02,799

an ergor which is pretty much like a

466

00:18:06,630 --> 00:18:04,880

tulpa except that it's the product of

467

00:18:08,549 --> 00:18:06,640

several people with combined

468

00:18:10,789 --> 00:18:08,559

consciousness intention

469

00:18:13,669 --> 00:18:10,799

and finally you have a servitor which is

470

00:18:15,669 --> 00:18:13,679

specifically an entity created to serve

471

00:18:17,750 --> 00:18:15,679

a human being you might think of it like

472

00:18:19,590 --> 00:18:17,760

an astral robot

473

00:18:24,070 --> 00:18:19,600

again everything i just described would

474

00:18:26,630 --> 00:18:24,080

fall within the psychosocial hypothesis

475

00:18:28,870 --> 00:18:26,640

now there is one other hypothesis put

476  
00:18:31,029 --> 00:18:28,880  
forward to explain the ufo phenomenon

477  
00:18:32,390 --> 00:18:31,039  
that i'd also like to make you aware of

478  
00:18:34,870 --> 00:18:32,400  
perhaps you've heard of this before

479  
00:18:37,190 --> 00:18:34,880  
perhaps you haven't but like some of the

480  
00:18:40,150 --> 00:18:37,200  
others it does explain why

481  
00:18:42,710 --> 00:18:40,160  
these beings often look so humanoid

482  
00:18:44,390 --> 00:18:42,720  
basically the idea is that these beings

483  
00:18:46,310 --> 00:18:44,400  
are basically human

484  
00:18:48,630 --> 00:18:46,320  
and that this is part of a breakaway

485  
00:18:51,350 --> 00:18:48,640  
civilization and this is therefore the

486  
00:18:53,750 --> 00:18:51,360  
breakaway civilization hypothesis

487  
00:18:56,710 --> 00:18:53,760  
most commonly associated with ufo

488  
00:18:58,230 --> 00:18:56,720

researcher and historian richard dolan

489

00:19:00,710 --> 00:18:58,240

now there are some pretty fascinating

490

00:19:02,870 --> 00:19:00,720

historical details that might tie into

491

00:19:04,950 --> 00:19:02,880

this but the long and short of it is

492

00:19:07,669 --> 00:19:04,960

that when you think back to the mystery

493

00:19:09,110 --> 00:19:07,679

airships of the late 1800s and early

494

00:19:11,029 --> 00:19:09,120

1900s

495

00:19:12,789 --> 00:19:11,039

this is supposedly the result of

496

00:19:15,270 --> 00:19:12,799

technological experiments being

497

00:19:16,710 --> 00:19:15,280

conducted by a certain group that was

498

00:19:19,590 --> 00:19:16,720

further ahead than other human

499

00:19:21,110 --> 00:19:19,600

civilization in terms of technology

500

00:19:23,029 --> 00:19:21,120

and this makes some sense when you think

501  
00:19:25,190 --> 00:19:23,039  
about the mystery airships because while

502  
00:19:27,270 --> 00:19:25,200  
they were futuristic compared to what

503  
00:19:29,590 --> 00:19:27,280  
human beings were doing at the time they

504  
00:19:30,630 --> 00:19:29,600  
weren't very far ahead perhaps a decade

505  
00:19:32,710 --> 00:19:30,640  
or two

506  
00:19:34,390 --> 00:19:32,720  
so that would align with the notion that

507  
00:19:37,590 --> 00:19:34,400  
there was a certain group of human

508  
00:19:39,590 --> 00:19:37,600  
beings who had leapfrogged others

509  
00:19:42,549 --> 00:19:39,600  
furthermore experiments done by the

510  
00:19:44,549 --> 00:19:42,559  
nazis in the 1930s and 40s are also

511  
00:19:46,950 --> 00:19:44,559  
thought to be connected to this supposed

512  
00:19:49,990 --> 00:19:46,960  
breakaway civilization and that the

513  
00:19:52,310 --> 00:19:50,000

diglocae the bell program perhaps was

514

00:19:54,310 --> 00:19:52,320

able to not only accommodate space

515

00:19:56,710 --> 00:19:54,320

travel but may also have been a kind of

516

00:19:59,110 --> 00:19:56,720

time travel vehicle now that may be a

517

00:20:01,830 --> 00:19:59,120

lot to take in but there is interesting

518

00:20:04,149 --> 00:20:01,840

historical details that perhaps may tie

519

00:20:06,630 --> 00:20:04,159

into this and i would recommend nick

520

00:20:08,470 --> 00:20:06,640

cook's excellent book the hunt for zero

521

00:20:11,110 --> 00:20:08,480

point if you're interested in this

522

00:20:13,270 --> 00:20:11,120

particular hypothesis and by the way we

523

00:20:15,270 --> 00:20:13,280

will go into this in greater detail in a

524

00:20:17,110 --> 00:20:15,280

future episode that we can dedicate

525

00:20:19,990 --> 00:20:17,120

specifically to this breakaway

526

00:20:21,830 --> 00:20:20,000

civilization hypothesis

527

00:20:23,750 --> 00:20:21,840

okay now that we've covered some of the

528

00:20:26,950 --> 00:20:23,760

conventional as well as some of the

529

00:20:29,350 --> 00:20:26,960

unconventional hypotheses put forward to

530

00:20:30,549 --> 00:20:29,360

explain the ufo phenomenon let's now

531

00:20:31,990 --> 00:20:30,559

move to the second part of the

532

00:20:34,310 --> 00:20:32,000

discussion which i mentioned in the

533

00:20:37,029 --> 00:20:34,320

introduction that has to do with the

534

00:20:40,149 --> 00:20:37,039

humanoid form of these others that has

535

00:20:42,310 --> 00:20:40,159

come across so often in their literature

536

00:20:45,029 --> 00:20:42,320

again to be very specific

537

00:20:48,310 --> 00:20:45,039

very very often these creatures have two

538

00:20:50,630 --> 00:20:48,320

arms two legs two eyes a nose some

539

00:20:52,470 --> 00:20:50,640

semblance of ears they look basically

540

00:20:54,230 --> 00:20:52,480

humanoid even though there are some

541

00:20:56,710 --> 00:20:54,240

details that are different perhaps the

542

00:20:59,190 --> 00:20:56,720

color of the skin is more gray the eyes

543

00:21:01,430 --> 00:20:59,200

of course are often larger the nose

544

00:21:03,350 --> 00:21:01,440

mouth and ears are somewhat more receded

545

00:21:06,230 --> 00:21:03,360

into the face or the head and the

546

00:21:08,950 --> 00:21:06,240

cranium is often larger but overall you

547

00:21:10,710 --> 00:21:08,960

have a very humanoid form

548

00:21:11,750 --> 00:21:10,720

so of course we're confronted with the

549

00:21:13,909 --> 00:21:11,760

question

550

00:21:16,310 --> 00:21:13,919

why did these others these supposed

551  
00:21:18,950 --> 00:21:16,320  
aliens look so humanoid and sometimes

552  
00:21:20,789 --> 00:21:18,960  
even more than that quite human

553  
00:21:23,190 --> 00:21:20,799  
on the one hand this flies in the face

554  
00:21:25,270 --> 00:21:23,200  
of common sense which tends to suggest

555  
00:21:27,190 --> 00:21:25,280  
that beings arising on some completely

556  
00:21:29,029 --> 00:21:27,200  
different planet under a completely

557  
00:21:31,190 --> 00:21:29,039  
different set of environmental

558  
00:21:33,830 --> 00:21:31,200  
conditions and different accidents of

559  
00:21:36,390 --> 00:21:33,840  
evolutionary history would not tend to

560  
00:21:38,630 --> 00:21:36,400  
evolve to look so much like us according

561  
00:21:39,909 --> 00:21:38,640  
to common sense that might seem almost

562  
00:21:41,750 --> 00:21:39,919  
impossible

563  
00:21:44,070 --> 00:21:41,760

and this leads people to believe either

564

00:21:46,230 --> 00:21:44,080

that these aliens are actually somehow

565

00:21:47,750 --> 00:21:46,240

connected to us or that they don't exist

566

00:21:49,190 --> 00:21:47,760

at all and people are basically just

567

00:21:51,510 --> 00:21:49,200

imagining them

568

00:21:53,350 --> 00:21:51,520

furthermore when you consider master's

569

00:21:55,830 --> 00:21:53,360

case that he makes in his book

570

00:21:58,870 --> 00:21:55,840

identified flying objects the case seems

571

00:22:01,430 --> 00:21:58,880

even more sound that these may indeed be

572

00:22:03,750 --> 00:22:01,440

human beings or some semblance of human

573

00:22:06,149 --> 00:22:03,760

beings a future evolutionary form of

574

00:22:07,590 --> 00:22:06,159

human beings who are time traveling into

575

00:22:10,070 --> 00:22:07,600

our time period

576

00:22:12,710 --> 00:22:10,080

and that's because to him based on his

577

00:22:15,190 --> 00:22:12,720

background as an evolutionary biologist

578

00:22:17,430 --> 00:22:15,200

with a specialty in hominid form he

579

00:22:20,470 --> 00:22:17,440

believes it is clear they must share a

580

00:22:23,190 --> 00:22:20,480

genetic lineage both with us and other

581

00:22:25,190 --> 00:22:23,200

primates such as chimpanzees

582

00:22:27,110 --> 00:22:25,200

again it's a solid case it's a very

583

00:22:29,830 --> 00:22:27,120

strong case i think we have to take it

584

00:22:32,390 --> 00:22:29,840

very seriously but that said it's also

585

00:22:34,390 --> 00:22:32,400

worth asking are there other hypotheses

586

00:22:36,710 --> 00:22:34,400

put forward other explanations that

587

00:22:39,430 --> 00:22:36,720

could potentially explain why these

588

00:22:41,190 --> 00:22:39,440

others look so commonly humanoid and

589

00:22:43,190 --> 00:22:41,200

even somewhat human

590

00:22:45,270 --> 00:22:43,200

why would this be the case is there any

591

00:22:48,070 --> 00:22:45,280

possibility that could explain this

592

00:22:50,710 --> 00:22:48,080

beyond them being time traveling future

593

00:22:52,789 --> 00:22:50,720

humans basically well as it turns out i

594

00:22:54,870 --> 00:22:52,799

think there are some other possibilities

595

00:22:56,470 --> 00:22:54,880

that definitely deserve consideration

596

00:22:58,149 --> 00:22:56,480

and i'd like to touch on several of

597

00:23:00,310 --> 00:22:58,159

those now

598

00:23:02,710 --> 00:23:00,320

now one possibility arises as an

599

00:23:04,310 --> 00:23:02,720

implication of a hypothesis we already

600

00:23:06,390 --> 00:23:04,320

discussed and that is the

601  
00:23:07,669 --> 00:23:06,400  
interdimensional hypothesis

602  
00:23:09,190 --> 00:23:07,679  
it could be that these are

603  
00:23:12,149 --> 00:23:09,200  
dimension-hopping

604  
00:23:14,870 --> 00:23:12,159  
denisons of an alternate earth or beings

605  
00:23:17,029 --> 00:23:14,880  
that kind of cohabituate between here and

606  
00:23:19,270 --> 00:23:17,039  
some alternate earth that would explain

607  
00:23:20,230 --> 00:23:19,280  
why they look humanoid and often quite

608  
00:23:21,430 --> 00:23:20,240  
human

609  
00:23:23,750 --> 00:23:21,440  
and that's because they may have

610  
00:23:25,830 --> 00:23:23,760  
followed a similar evolutionary

611  
00:23:27,830 --> 00:23:25,840  
trajectory to a certain point and then

612  
00:23:30,070 --> 00:23:27,840  
perhaps it diverged in some ways because

613  
00:23:32,710 --> 00:23:30,080

of different environmental conditions

614

00:23:34,549 --> 00:23:32,720

that arose on that alternate earth that

615

00:23:36,789 --> 00:23:34,559

would explain why they look so much like

616

00:23:38,789 --> 00:23:36,799

us but not exactly like us

617

00:23:41,110 --> 00:23:38,799

another possibility that would explain

618

00:23:44,070 --> 00:23:41,120

why there seem to be different beings

619

00:23:46,310 --> 00:23:44,080

both aliens and us the human denizens of

620

00:23:48,070 --> 00:23:46,320

this planet that share such a common

621

00:23:49,830 --> 00:23:48,080

humanoid form

622

00:23:52,789 --> 00:23:49,840

that could of course arise from some

623

00:23:55,430 --> 00:23:52,799

sort of vast ancient seeding program

624

00:23:58,549 --> 00:23:55,440

perhaps undertaken by some ancient but

625

00:24:00,310 --> 00:23:58,559

sophisticated alien intelligence now of

626

00:24:02,230 --> 00:24:00,320

course conventional science doesn't

627

00:24:04,310 --> 00:24:02,240

consider that possibility because it

628

00:24:06,470 --> 00:24:04,320

sounds quite outlandish and it requires

629

00:24:08,950 --> 00:24:06,480

the assistance of some ancient

630

00:24:11,510 --> 00:24:08,960

sophisticated civilization that's a fair

631

00:24:14,549 --> 00:24:11,520

point this option may fail the occam

632

00:24:16,950 --> 00:24:14,559

razors test but it's still a possibility

633

00:24:19,029 --> 00:24:16,960

many astrophysicists do believe that

634

00:24:21,029 --> 00:24:19,039

it's quite likely that some life in the

635

00:24:23,190 --> 00:24:21,039

universe is going to be much older than

636

00:24:25,430 --> 00:24:23,200

ours perhaps billions of years older

637

00:24:27,750 --> 00:24:25,440

than ours and if those particular

638

00:24:30,149 --> 00:24:27,760

civilizations evolved to take to space

639

00:24:32,230 --> 00:24:30,159

travel they may have conducted some sort

640

00:24:34,710 --> 00:24:32,240

of cosmic seeding program throughout the

641

00:24:36,230 --> 00:24:34,720

galaxy or perhaps even further and

642

00:24:38,470 --> 00:24:36,240

that's why you get these different

643

00:24:40,870 --> 00:24:38,480

groups of rising that look so similar

644

00:24:43,510 --> 00:24:40,880

because they arise from the same origin

645

00:24:45,430 --> 00:24:43,520

or source that basically spread seed

646

00:24:47,029 --> 00:24:45,440

across the galaxy

647

00:24:49,269 --> 00:24:47,039

and in fact when you hear about some

648

00:24:51,430 --> 00:24:49,279

researchers suggesting that the earth is

649

00:24:54,390 --> 00:24:51,440

kind of like a petri dish and some

650

00:24:57,190 --> 00:24:54,400

ancient sophisticated alien civilization

651  
00:24:59,430 --> 00:24:57,200  
is looking in on us like an experiment

652  
00:25:01,830 --> 00:24:59,440  
that would also fit with this idea of a

653  
00:25:03,510 --> 00:25:01,840  
cosmic seeding program

654  
00:25:06,070 --> 00:25:03,520  
another possibility that could explain

655  
00:25:07,590 --> 00:25:06,080  
this is mac tony's crypto-terrestrial

656  
00:25:09,510 --> 00:25:07,600  
hypothesis

657  
00:25:12,149 --> 00:25:09,520  
this is the notion that perhaps there is

658  
00:25:14,070 --> 00:25:12,159  
a sister humanoid species that evolved

659  
00:25:15,190 --> 00:25:14,080  
here on the earth and is within our

660  
00:25:17,350 --> 00:25:15,200  
timeline

661  
00:25:19,669 --> 00:25:17,360  
but at some point they separated from us

662  
00:25:22,230 --> 00:25:19,679  
and perhaps either live underground or

663  
00:25:24,549 --> 00:25:22,240

in the oceans and may possess the

664

00:25:26,870 --> 00:25:24,559

capacity to be able to disguise

665

00:25:28,710 --> 00:25:26,880

themselves or cloud our consciousness so

666

00:25:31,269 --> 00:25:28,720

that we're only aware of them on certain

667

00:25:33,029 --> 00:25:31,279

occasions and under certain conditions

668

00:25:35,909 --> 00:25:33,039

that's a possibility as well here we're

669

00:25:38,149 --> 00:25:35,919

talking about a sister humanoid species

670

00:25:40,630 --> 00:25:38,159

from this earth not a different one and

671

00:25:42,230 --> 00:25:40,640

from our very own timeline

672

00:25:44,950 --> 00:25:42,240

another possibility that i would like to

673

00:25:48,630 --> 00:25:44,960

discuss that i think is very promising

674

00:25:50,789 --> 00:25:48,640

is a notion called convergent evolution

675

00:25:52,630 --> 00:25:50,799

and to discuss this possibility i want

676  
00:25:55,669 --> 00:25:52,640  
to draw some quotes from

677  
00:25:58,470 --> 00:25:55,679  
a book by eric kirshenbaum titled the

678  
00:25:59,750 --> 00:25:58,480  
zoologist guide to the galaxy

679  
00:26:02,549 --> 00:25:59,760  
opening his book this is what

680  
00:26:04,149 --> 00:26:02,559  
kirschenbaum has to say quote we are

681  
00:26:06,149 --> 00:26:04,159  
increasingly confident that there is

682  
00:26:07,990 --> 00:26:06,159  
life elsewhere in the universe and even

683  
00:26:11,590 --> 00:26:08,000  
more excitingly that it might be

684  
00:26:14,630 --> 00:26:11,600  
possible to find it in 2015 nasa's chief

685  
00:26:16,310 --> 00:26:14,640  
scientist ellen stofan predicted that we

686  
00:26:18,950 --> 00:26:16,320  
will have evidence of life on other

687  
00:26:21,029 --> 00:26:18,960  
planets within 20 to 30 years

688  
00:26:22,950 --> 00:26:21,039

of course she was talking about microbes

689

00:26:25,029 --> 00:26:22,960

or their alien equivalent not

690

00:26:27,590 --> 00:26:25,039

necessarily intelligent life

691

00:26:29,110 --> 00:26:27,600

but the principle is still staggering we

692

00:26:30,789 --> 00:26:29,120

have gone from being obsessed with the

693

00:26:32,950 --> 00:26:30,799

possibility of alien life at the

694

00:26:36,149 --> 00:26:32,960

beginning of the 20th century to

695

00:26:38,390 --> 00:26:36,159

complacent pessimism in the 70s and 80s

696

00:26:39,590 --> 00:26:38,400

and now back to a realistic scientific

697

00:26:41,590 --> 00:26:39,600

optimism

698

00:26:43,830 --> 00:26:41,600

this book is about how we can use that

699

00:26:46,950 --> 00:26:43,840

realistic scientific approach to draw

700

00:26:50,149 --> 00:26:46,960

conclusions with some confidence about

701  
00:26:53,430 --> 00:26:50,159  
alien life and intelligent alien life in

702  
00:26:56,070 --> 00:26:53,440  
particular unquote now kirshenbaum goes

703  
00:26:58,549 --> 00:26:56,080  
on to explain how mechanisms are key to

704  
00:26:59,909 --> 00:26:58,559  
zoologists and quoting from his book

705  
00:27:01,830 --> 00:26:59,919  
again quote

706  
00:27:04,149 --> 00:27:01,840  
contrary to what some people think

707  
00:27:05,750 --> 00:27:04,159  
zoologists such as myself don't just

708  
00:27:07,750 --> 00:27:05,760  
spend our time identifying and

709  
00:27:10,149 --> 00:27:07,760  
classifying animals

710  
00:27:11,830 --> 00:27:10,159  
like scientists in all disciplines we

711  
00:27:13,350 --> 00:27:11,840  
attempt to explain what we see in the

712  
00:27:15,990 --> 00:27:13,360  
world around us

713  
00:27:18,630 --> 00:27:16,000

zoology and evolutionary biology in

714

00:27:21,110 --> 00:27:18,640

general is about proposing mechanisms

715

00:27:23,590 --> 00:27:21,120

for explaining the nature of life

716

00:27:26,230 --> 00:27:23,600

why do lions live in prides but tigers

717

00:27:28,789 --> 00:27:26,240

hunt alone why do birds have only two

718

00:27:31,190 --> 00:27:28,799

wings why for that matter do the vast

719

00:27:32,549 --> 00:27:31,200

majority of animals have a left side and

720

00:27:34,789 --> 00:27:32,559

a right side

721

00:27:37,190 --> 00:27:34,799

observation is not enough we want to

722

00:27:39,350 --> 00:27:37,200

derive a set of rules for life in the

723

00:27:41,430 --> 00:27:39,360

same way that physicists derive rules

724

00:27:43,909 --> 00:27:41,440

for planets and stars

725

00:27:46,230 --> 00:27:43,919

if those biological rules are universal

726

00:27:48,710 --> 00:27:46,240

rules they will work as well on another

727

00:27:50,149 --> 00:27:48,720

planet as the law of gravity

728

00:27:52,070 --> 00:27:50,159

unquote

729

00:27:54,070 --> 00:27:52,080

this is such a significant point that

730

00:27:56,230 --> 00:27:54,080

kirschenbaum is making and when you

731

00:27:58,070 --> 00:27:56,240

think about it it's common sensical

732

00:27:59,750 --> 00:27:58,080

actually it's intuitive

733

00:28:02,389 --> 00:27:59,760

there was a time when we used to think

734

00:28:04,389 --> 00:28:02,399

that planets in far-off star systems in

735

00:28:06,789 --> 00:28:04,399

different galaxies would be very very

736

00:28:09,510 --> 00:28:06,799

different in fact it was kind of the

737

00:28:12,310 --> 00:28:09,520

in-vogue thing to imagine really really

738

00:28:13,909 --> 00:28:12,320

strange planets really really strange

739

00:28:16,310 --> 00:28:13,919

alien life

740

00:28:18,630 --> 00:28:16,320

but the truth is the same elements

741

00:28:20,950 --> 00:28:18,640

compose the universe everywhere and

742

00:28:22,950 --> 00:28:20,960

there's a certain consistency across the

743

00:28:25,029 --> 00:28:22,960

vast expanse of space

744

00:28:28,190 --> 00:28:25,039

that's why we can make observations or

745

00:28:30,950 --> 00:28:28,200

predictions about exosolar planets and

746

00:28:34,630 --> 00:28:30,960

exogalactic planets because we assume

747

00:28:36,630 --> 00:28:34,640

there is a consistency across the cosmos

748

00:28:38,310 --> 00:28:36,640

and in the same way christian bomb is

749

00:28:41,110 --> 00:28:38,320

arguing it makes sense that there would

750

00:28:43,590 --> 00:28:41,120

be consistent mechanisms which evolution

751

00:28:46,149 --> 00:28:43,600

would use to solve certain problems

752

00:28:48,630 --> 00:28:46,159

because again evolution and natural

753

00:28:51,110 --> 00:28:48,640

selection in particular are not thought

754

00:28:53,190 --> 00:28:51,120

to be just unique to the earth just like

755

00:28:56,549 --> 00:28:53,200

hydrogen and helium are found throughout

756

00:28:59,510 --> 00:28:56,559

the cosmos the idea is that evolutionary

757

00:29:03,190 --> 00:28:59,520

processes also exist across the cosmos

758

00:29:05,029 --> 00:29:03,200

and they are what give rise to life

759

00:29:07,190 --> 00:29:05,039

and because of that by even looking at

760

00:29:09,110 --> 00:29:07,200

the life we find here on the earth we

761

00:29:11,750 --> 00:29:09,120

can make strong predictions about what

762

00:29:14,149 --> 00:29:11,760

we're likely to find on exo solar and

763

00:29:16,149 --> 00:29:14,159

exogalactic planets

764

00:29:18,230 --> 00:29:16,159

i'd like to quote now from kirshenbaum's

765

00:29:19,350 --> 00:29:18,240

book when he goes into this in greater

766

00:29:21,590 --> 00:29:19,360

detail

767

00:29:22,789 --> 00:29:21,600

this is about solutions to universal

768

00:29:25,350 --> 00:29:22,799

problems

769

00:29:28,230 --> 00:29:25,360

quote we want to investigate questions

770

00:29:31,269 --> 00:29:28,240

that astrobiologists rarely consider

771

00:29:33,510 --> 00:29:31,279

what might complex alien life look like

772

00:29:35,830 --> 00:29:33,520

can we draw any concrete conclusions

773

00:29:38,950 --> 00:29:35,840

about the ecology and behavior of alien

774

00:29:40,950 --> 00:29:38,960

life using the tools and clues we have

775

00:29:43,350 --> 00:29:40,960

available on earth

776  
00:29:45,669 --> 00:29:43,360  
a zoologist observing a newly discovered

777  
00:29:47,830 --> 00:29:45,679  
continent from afar would be buzzing

778  
00:29:49,269 --> 00:29:47,840  
with ideas about what kind of creatures

779  
00:29:50,950 --> 00:29:49,279  
might live there

780  
00:29:53,590 --> 00:29:50,960  
those ideas wouldn't be wild

781  
00:29:55,029 --> 00:29:53,600  
speculations but keenly reasoned

782  
00:29:57,350 --> 00:29:55,039  
hypotheses

783  
00:30:00,149 --> 00:29:57,360  
based on the huge diversity of animals

784  
00:30:02,710 --> 00:30:00,159  
we already know and how each animal's

785  
00:30:06,070 --> 00:30:02,720  
adaptations are well suited for the life

786  
00:30:08,310 --> 00:30:06,080  
they live how they eat sleep find mates

787  
00:30:10,149 --> 00:30:08,320  
and build their dens

788  
00:30:12,630 --> 00:30:10,159

the more we know about how animals have

789

00:30:14,950 --> 00:30:12,640

adapted to the old world the better we

790

00:30:16,710 --> 00:30:14,960

can speculate about the new

791

00:30:19,110 --> 00:30:16,720

this is the approach i'm going to use

792

00:30:21,269 --> 00:30:19,120

when talking about alien life as

793

00:30:23,029 --> 00:30:21,279

different as it may be there are still

794

00:30:25,430 --> 00:30:23,039

some things that we can learn from how

795

00:30:27,510 --> 00:30:25,440

life makes its living on earth

796

00:30:30,070 --> 00:30:27,520

the evolutionary processes that we

797

00:30:32,710 --> 00:30:30,080

observe here are due to pressures and

798

00:30:34,630 --> 00:30:32,720

mechanisms that are also very likely to

799

00:30:37,990 --> 00:30:34,640

occur elsewhere

800

00:30:39,909 --> 00:30:38,000

movement communication cooperation these

801  
00:30:44,310 --> 00:30:39,919  
are evolutionary outcomes that are

802  
00:30:47,269 --> 00:30:44,320  
solutions to universal problems unquote

803  
00:30:49,990 --> 00:30:47,279  
now again according to kirschenbaum a

804  
00:30:53,190 --> 00:30:50,000  
notion such as convergent evolution

805  
00:30:55,750 --> 00:30:53,200  
might explain why we can expect aliens

806  
00:30:58,470 --> 00:30:55,760  
to perhaps look quite like us and have

807  
00:31:00,870 --> 00:30:58,480  
developed mechanisms to solve similar

808  
00:31:04,149 --> 00:31:00,880  
problems that all species all life is

809  
00:31:06,389 --> 00:31:04,159  
likely to encounter as they evolve in

810  
00:31:08,549 --> 00:31:06,399  
environments such as planets

811  
00:31:10,710 --> 00:31:08,559  
now earlier we mentioned that masters

812  
00:31:13,350 --> 00:31:10,720  
suggested that the fact that these

813  
00:31:15,909 --> 00:31:13,360

humanoid aliens look so much like us

814

00:31:19,029 --> 00:31:15,919

suggest they must be related to us a

815

00:31:21,190 --> 00:31:19,039

direct genetic lineage but according to

816

00:31:23,590 --> 00:31:21,200

kersham bomb that's not necessarily the

817

00:31:26,630 --> 00:31:23,600

case and here we can look to examples of

818

00:31:28,710 --> 00:31:26,640

what he calls again convergent evolution

819

00:31:31,190 --> 00:31:28,720

this is where a similar evolutionary

820

00:31:34,789 --> 00:31:31,200

trait is developed without different

821

00:31:36,710 --> 00:31:34,799

species being related in any direct way

822

00:31:39,430 --> 00:31:36,720

and he gives the example of flight and

823

00:31:41,750 --> 00:31:39,440

how that's been evolved as a trait four

824

00:31:43,990 --> 00:31:41,760

different times on the earth for species

825

00:31:46,549 --> 00:31:44,000

that are unrelated

826

00:31:49,110 --> 00:31:46,559

quoting again from his book quote in

827

00:31:51,750 --> 00:31:49,120

fact we know that powered flight evolved

828

00:31:54,470 --> 00:31:51,760

at least four times on earth birds

829

00:31:57,509 --> 00:31:54,480

evolved flight around 150 million years

830

00:32:00,470 --> 00:31:57,519

ago when dinosaurs roamed the earth the

831

00:32:02,549 --> 00:32:00,480

famous fossil archaeoparetic

832

00:32:05,269 --> 00:32:02,559

dating from around this time appears to

833

00:32:07,430 --> 00:32:05,279

be halfway between a dinosaur and a bird

834

00:32:09,990 --> 00:32:07,440

and caused much consternation and

835

00:32:12,549 --> 00:32:10,000

scratching of heads among scientists in

836

00:32:13,750 --> 00:32:12,559

the 19th century including charles

837

00:32:15,830 --> 00:32:13,760

darwin

838

00:32:18,230 --> 00:32:15,840

bats on the other hand didn't evolve to

839

00:32:19,350 --> 00:32:18,240

fly until a little more than 50 million

840

00:32:21,990 --> 00:32:19,360

years ago

841

00:32:23,590 --> 00:32:22,000

almost certainly after the extinction of

842

00:32:25,750 --> 00:32:23,600

the dinosaurs

843

00:32:27,990 --> 00:32:25,760

bird wings and bat wings are so

844

00:32:31,110 --> 00:32:28,000

strikingly different that it is hard to

845

00:32:33,990 --> 00:32:31,120

believe they perform similar functions

846

00:32:35,990 --> 00:32:34,000

bats have tremendously elongated fingers

847

00:32:38,950 --> 00:32:36,000

which stretch to the rear edge of each

848

00:32:41,269 --> 00:32:38,960

wing with a thin membrane in between

849

00:32:43,190 --> 00:32:41,279

rather like the webbed feet of ducks

850

00:32:45,350 --> 00:32:43,200

except that the webbing extends all the

851

00:32:47,110 --> 00:32:45,360

way up the arm as well

852

00:32:49,750 --> 00:32:47,120

birds of course have feathers rather

853

00:32:52,230 --> 00:32:49,760

than skin covering their wing but unlike

854

00:32:54,389 --> 00:32:52,240

bats their bones only run along the very

855

00:32:56,389 --> 00:32:54,399

leading edge of the wing with feathers

856

00:32:58,230 --> 00:32:56,399

trailing behind them

857

00:33:01,190 --> 00:32:58,240

despite the fact that the flight of

858

00:33:03,509 --> 00:33:01,200

birds and bats evolved quite separately

859

00:33:05,110 --> 00:33:03,519

the uses to which flight has been put

860

00:33:07,669 --> 00:33:05,120

are very similar

861

00:33:09,509 --> 00:33:07,679

if you watch swallows and swifts darting

862

00:33:11,990 --> 00:33:09,519

through the air to catch flying insects

863

00:33:14,230 --> 00:33:12,000

on the wing they look remarkably like

864

00:33:17,269 --> 00:33:14,240

the bats you'd see a few hours later at

865

00:33:18,710 --> 00:33:17,279

dusk flitting around after insects just

866

00:33:21,830 --> 00:33:18,720

like a bird

867

00:33:24,310 --> 00:33:21,840

the tiny nathusius pipestrel bat

868

00:33:26,470 --> 00:33:24,320

weighing about 10 grams manages to

869

00:33:29,029 --> 00:33:26,480

migrate hundreds or even thousands of

870

00:33:31,509 --> 00:33:29,039

kilometers rivaling the long distance

871

00:33:33,830 --> 00:33:31,519

journeys of many birds

872

00:33:36,470 --> 00:33:33,840

whatever its origin flight is an

873

00:33:39,269 --> 00:33:36,480

incredibly useful function and it isn't

874

00:33:40,310 --> 00:33:39,279

surprising that it crops up again and

875

00:33:41,590 --> 00:33:40,320

again

876

00:33:43,269 --> 00:33:41,600

unquote

877

00:33:46,070 --> 00:33:43,279

so again what christian bomb is saying

878

00:33:48,950 --> 00:33:46,080

here is that when a hugely beneficial

879

00:33:51,190 --> 00:33:48,960

evolutionary trait exists it's likely to

880

00:33:53,990 --> 00:33:51,200

be developed even among species that are

881

00:33:55,830 --> 00:33:54,000

not directly related

882

00:33:59,029 --> 00:33:55,840

now christian bomb finishes with this

883

00:34:00,470 --> 00:33:59,039

key point convergence should apply

884

00:34:01,990 --> 00:34:00,480

everywhere

885

00:34:04,230 --> 00:34:02,000

quoting one more time from his book

886

00:34:06,310 --> 00:34:04,240

quote and here is the main point

887

00:34:09,909 --> 00:34:06,320

convergent evolution is not just a

888

00:34:12,069 --> 00:34:09,919

phenomenon restricted to life on earth

889

00:34:14,629 --> 00:34:12,079

the same principles that lead birds and

890

00:34:18,389 --> 00:34:14,639

bats to evolve similar solutions will

891

00:34:20,629 --> 00:34:18,399

also lead alien birds and bats to fly

892

00:34:22,710 --> 00:34:20,639

there is nothing special about earth or

893

00:34:25,589 --> 00:34:22,720

about the very distant familial

894

00:34:28,069 --> 00:34:25,599

relationship between birds and bats

895

00:34:30,950 --> 00:34:28,079

convergence between species on different

896

00:34:33,430 --> 00:34:30,960

planets that occupy similar niches is

897

00:34:34,710 --> 00:34:33,440

almost certain to occur

898

00:34:36,710 --> 00:34:34,720

unquote

899

00:34:38,950 --> 00:34:36,720

so i don't know about you but i found

900

00:34:41,349 --> 00:34:38,960

that very fascinating this notion of

901  
00:34:44,230 --> 00:34:41,359  
convergent evolution and perhaps this

902  
00:34:46,710 --> 00:34:44,240  
might explain why the humanoid form is

903  
00:34:49,270 --> 00:34:46,720  
actually quite common across the galaxy

904  
00:34:51,190 --> 00:34:49,280  
and perhaps even in exogalactic

905  
00:34:53,430 --> 00:34:51,200  
environments because it's a very

906  
00:34:56,149 --> 00:34:53,440  
beneficial solution that the

907  
00:34:59,349 --> 00:34:56,159  
evolutionary process has served up in

908  
00:35:01,750 --> 00:34:59,359  
numerous locations across the cosmos

909  
00:35:04,230 --> 00:35:01,760  
now to be clear i'm not saying this

910  
00:35:07,430 --> 00:35:04,240  
notion of convergent evolution therefore

911  
00:35:10,390 --> 00:35:07,440  
makes more sense than master's idea that

912  
00:35:12,390 --> 00:35:10,400  
the grays must be future humans in fact

913  
00:35:14,150 --> 00:35:12,400

both might even be going on

914

00:35:16,470 --> 00:35:14,160

all i think we should conclude from this

915

00:35:19,030 --> 00:35:16,480

is that we shouldn't be too quick to

916

00:35:21,510 --> 00:35:19,040

jump to one conclusion and to hold to it

917

00:35:23,430 --> 00:35:21,520

we should keep an open mind and explore

918

00:35:25,990 --> 00:35:23,440

other possibilities

919

00:35:27,750 --> 00:35:26,000

and on that note we've come to the close

920

00:35:29,510 --> 00:35:27,760

of another edition of the point of

921

00:35:31,589 --> 00:35:29,520

convergence podcast

922

00:35:35,270 --> 00:35:31,599

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923

00:35:37,589 --> 00:35:35,280

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924

00:35:39,589 --> 00:35:37,599

exo academian and i'd like to offer a

925

00:35:41,190 --> 00:35:39,599

huge thank you to those who have become

926

00:35:43,270 --> 00:35:41,200

patrons

927

00:35:45,030 --> 00:35:43,280

but until next time friends from deep

928

00:35:48,310 --> 00:35:45,040

within the blue ridge mountains of north

929

00:35:49,620 --> 00:35:48,320

carolina this is exo academian signing