

# Point of Convergence

PODCAST



Hosted by ExoAcademician

EPISODE #45

*To and From Distant Shores:  
Hacking the Neo-Evolutionary  
Matrix of Space-time to Access  
Hyperspace & Alien Intelligence*



ON YOUTUBE & YOUR FAVORITE  
PODCASTING PLATFORM

1  
00:00:02,880 --> 00:00:08,230

[Music]

2  
00:00:14,150 --> 00:00:11,749

hello and welcome to episode number 45

3  
00:00:18,790 --> 00:00:14,160

of the point of convergence podcast

4  
00:00:21,269 --> 00:00:18,800

as always i am your host exo academian

5  
00:00:23,189 --> 00:00:21,279

ventures into the skies above our heads

6  
00:00:25,429 --> 00:00:23,199

may have begun with the wright brothers

7  
00:00:27,830 --> 00:00:25,439

and their rudimentary attempts at flight

8  
00:00:30,070 --> 00:00:27,840

but within decades those initial crude

9  
00:00:32,229 --> 00:00:30,080

experiments evolved into sophisticated

10  
00:00:35,030 --> 00:00:32,239

spacecraft that could not only take

11  
00:00:36,549 --> 00:00:35,040

humankind soaring into the skies but

12  
00:00:39,190 --> 00:00:36,559

well beyond

13  
00:00:41,750 --> 00:00:39,200

indeed by the 1960s the future for

14

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

humankind seemed clearly to be destined

15

00:00:47,670 --> 00:00:44,320

for space and eventually for the

16

00:00:50,069 --> 00:00:47,680

colonization of near and distant planets

17

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

and as we gained in our understanding of

18

00:00:54,389 --> 00:00:52,160

space flight and as our ever more

19

00:00:56,630 --> 00:00:54,399

powerful telescopes could peer farther

20

00:00:59,110 --> 00:00:56,640

and farther into the great expanse of

21

00:01:00,150 --> 00:00:59,120

the so-called final frontier of outer

22

00:01:02,709 --> 00:01:00,160

space

23

00:01:04,869 --> 00:01:02,719

we began to wonder aloud about how long

24

00:01:07,109 --> 00:01:04,879

it would be before we would discover

25

00:01:09,590 --> 00:01:07,119

other civilizations perhaps now

26  
00:01:13,030 --> 00:01:09,600  
traveling the stars as we hope to do in

27  
00:01:15,190 --> 00:01:13,040  
the decades to come and yet no matter

28  
00:01:17,830 --> 00:01:15,200  
where we looked and no matter how far we

29  
00:01:20,070 --> 00:01:17,840  
looked it seemed that while every nook

30  
00:01:22,230 --> 00:01:20,080  
and cranny of that great expanse was

31  
00:01:23,429 --> 00:01:22,240  
filled with dazzling displays of starry

32  
00:01:26,469 --> 00:01:23,439  
splendor

33  
00:01:29,590 --> 00:01:26,479  
life that is sophisticated non-human

34  
00:01:32,230 --> 00:01:29,600  
alien life was nowhere to be found

35  
00:01:34,710 --> 00:01:32,240  
even something as primitive as bacteria

36  
00:01:36,390 --> 00:01:34,720  
remained elusive

37  
00:01:38,550 --> 00:01:36,400  
this of course led to the obvious

38  
00:01:40,630 --> 00:01:38,560

question where was all the life we

39

00:01:42,389 --> 00:01:40,640

assumed was out there

40

00:01:45,350 --> 00:01:42,399

if there were plenty of planets in

41

00:01:47,670 --> 00:01:45,360

so-called habitable zones as all of our

42

00:01:49,830 --> 00:01:47,680

growing body of data seemed to suggest

43

00:01:50,950 --> 00:01:49,840

why weren't we discovering life

44

00:01:53,670 --> 00:01:50,960

why weren't we picking up the

45

00:01:55,429 --> 00:01:53,680

transmissions of distant civilizations

46

00:01:58,630 --> 00:01:55,439

with our ever more powerful and

47

00:02:00,550 --> 00:01:58,640

far-reaching sensors and telescopes

48

00:02:03,429 --> 00:02:00,560

this conundrum is known as the fermi

49

00:02:05,109 --> 00:02:03,439

paradox which according to wikipedia is

50

00:02:06,870 --> 00:02:05,119

stated thusly

51

00:02:10,150 --> 00:02:06,880

the fermi paradox named after

52

00:02:12,309 --> 00:02:10,160

italian-american physicist enrico fermi

53

00:02:13,750 --> 00:02:12,319

is the apparent contradiction between

54

00:02:16,390 --> 00:02:13,760

the lack of evidence for

55

00:02:18,790 --> 00:02:16,400

extraterrestrial life and various high

56

00:02:20,790 --> 00:02:18,800

estimates for their probability

57

00:02:23,190 --> 00:02:20,800

such as some optimistic estimates for

58

00:02:24,949 --> 00:02:23,200

the drake equation

59

00:02:27,110 --> 00:02:24,959

now while this dilemma still troubles

60

00:02:29,350 --> 00:02:27,120

many especially those holding to a more

61

00:02:31,750 --> 00:02:29,360

traditional understanding of how life in

62

00:02:34,229 --> 00:02:31,760

the cosmos is likely to have developed

63

00:02:36,150 --> 00:02:34,239

over the last several billion years

64

00:02:38,470 --> 00:02:36,160

there are others who have postulated

65

00:02:40,070 --> 00:02:38,480

that the reasons are obvious once one

66

00:02:41,430 --> 00:02:40,080

really looks at the question in the

67

00:02:43,350 --> 00:02:41,440

right way

68

00:02:45,589 --> 00:02:43,360

in other words the problem lies not in

69

00:02:48,229 --> 00:02:45,599

the apparent results but in the very

70

00:02:50,390 --> 00:02:48,239

assumptions we make as to what advanced

71

00:02:53,030 --> 00:02:50,400

non-human life will look like

72

00:02:55,509 --> 00:02:53,040

how it would behave and where and how

73

00:02:57,750 --> 00:02:55,519

we're most likely to find it

74

00:02:59,589 --> 00:02:57,760

not only do these refreshingly inventive

75

00:03:01,830 --> 00:02:59,599

forward-thinking ways of seeing this

76

00:03:04,630 --> 00:03:01,840

issue help us to address the fermi

77

00:03:07,670 --> 00:03:04,640

paradox but they also open up intriguing

78

00:03:09,589 --> 00:03:07,680

possibilities as to how we humans may

79

00:03:12,710 --> 00:03:09,599

evolve to the point where we too can

80

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

follow suit perhaps finding passage into

81

00:03:17,430 --> 00:03:15,200

the fascinating realms these others may

82

00:03:19,430 --> 00:03:17,440

already be existing in

83

00:03:21,190 --> 00:03:19,440

these notions also help those of us

84

00:03:23,830 --> 00:03:21,200

intimately involved with a topic such as

85

00:03:25,990 --> 00:03:23,840

the ufo phenomenon to perhaps better

86

00:03:27,350 --> 00:03:26,000

understand a truth we think is staring

87

00:03:29,589 --> 00:03:27,360

us in the face

88

00:03:32,789 --> 00:03:29,599

a truth suggesting these others are not

89

00:03:35,350 --> 00:03:32,799

only out there but here in and around

90

00:03:38,630 --> 00:03:35,360

the earth and perhaps have been for as

91

00:03:40,309 --> 00:03:38,640

long or longer than we have

92

00:03:42,390 --> 00:03:40,319

these compelling ideas and the

93

00:03:43,750 --> 00:03:42,400

intriguing potential implications they

94

00:03:45,430 --> 00:03:43,760

give birth to

95

00:03:49,110 --> 00:03:45,440

are the very matters we'll seek to

96

00:03:52,990 --> 00:03:49,120

explore in this the 45th episode of the

97

00:03:58,149 --> 00:03:56,309

[Music]

98

00:04:00,229 --> 00:03:58,159

now as i mentioned in the introduction

99

00:04:01,509 --> 00:04:00,239

there are some especially those who

100

00:04:02,869 --> 00:04:01,519

cling to a more traditional

101  
00:04:05,350 --> 00:04:02,879  
understanding

102  
00:04:07,509 --> 00:04:05,360  
who assume that the universe is

103  
00:04:09,509 --> 00:04:07,519  
basically lifeless that the fact that we

104  
00:04:11,110 --> 00:04:09,519  
found no life in the ways we've been

105  
00:04:13,589 --> 00:04:11,120  
looking and in the places we've been

106  
00:04:16,550 --> 00:04:13,599  
looking suggest that life just doesn't

107  
00:04:19,030 --> 00:04:16,560  
exist out there and of course these same

108  
00:04:21,909 --> 00:04:19,040  
people are even more incredulous about

109  
00:04:23,990 --> 00:04:21,919  
the notion that ufos may be here because

110  
00:04:26,230 --> 00:04:24,000  
if alien life hasn't been found out

111  
00:04:29,270 --> 00:04:26,240  
there there's no way it would have been

112  
00:04:31,749 --> 00:04:29,280  
found here but i'd just like to point

113  
00:04:34,710 --> 00:04:31,759

out when skeptics claim the chances of

114

00:04:36,469 --> 00:04:34,720

ufos being aliens are almost nil

115

00:04:38,550 --> 00:04:36,479

we should be aware that they're relying

116

00:04:40,790 --> 00:04:38,560

on the highly doubtful notion that our

117

00:04:44,390 --> 00:04:40,800

present understanding on a multitude of

118

00:04:46,710 --> 00:04:44,400

topics physics consciousness etc is

119

00:04:48,150 --> 00:04:46,720

sufficient to make such a calculation to

120

00:04:50,150 --> 00:04:48,160

begin with

121

00:04:51,990 --> 00:04:50,160

and that is a highly doubtful notion

122

00:04:53,909 --> 00:04:52,000

from my point of view

123

00:04:55,990 --> 00:04:53,919

these skeptics tend to look at these

124

00:04:58,390 --> 00:04:56,000

things in the same way they are very

125

00:05:00,310 --> 00:04:58,400

rigid very dogmatic in the way they look

126  
00:05:02,550 --> 00:05:00,320  
at these issues and rather than

127  
00:05:04,790 --> 00:05:02,560  
questioning some of their assumptions

128  
00:05:07,270 --> 00:05:04,800  
they assume rather that the answer is

129  
00:05:10,950 --> 00:05:07,280  
already staring us in the face that the

130  
00:05:12,550 --> 00:05:10,960  
universe is indeed lifeless and barren

131  
00:05:14,870 --> 00:05:12,560  
but thankfully there are plenty of

132  
00:05:17,749 --> 00:05:14,880  
others who are pushing the boundaries

133  
00:05:20,629 --> 00:05:17,759  
asking fresh questions and circling back

134  
00:05:22,390 --> 00:05:20,639  
to ask intriguingly perhaps the fact

135  
00:05:24,469 --> 00:05:22,400  
that we haven't found life doesn't

136  
00:05:26,950 --> 00:05:24,479  
suggest that it's not out there but they

137  
00:05:28,629 --> 00:05:26,960  
were looking in the wrong places and in

138  
00:05:30,790 --> 00:05:28,639

the wrong ways

139

00:05:33,350 --> 00:05:30,800

and in today's podcast i'd like to

140

00:05:35,749 --> 00:05:33,360

discuss a couple of different hypotheses

141

00:05:37,189 --> 00:05:35,759

that have been put forward to explain

142

00:05:39,510 --> 00:05:37,199

this

143

00:05:42,310 --> 00:05:39,520

now it's understandable why the fermi

144

00:05:44,629 --> 00:05:42,320

paradox is a conundrum for so many

145

00:05:46,950 --> 00:05:44,639

because the numbers are so staggering in

146

00:05:50,390 --> 00:05:46,960

terms of how many star systems and

147

00:05:52,469 --> 00:05:50,400

earth-like planets exist out there

148

00:05:54,790 --> 00:05:52,479

according to new research using data

149

00:05:56,550 --> 00:05:54,800

from the kepler space telescope

150

00:05:59,830 --> 00:05:56,560

the estimation is that there could be as

151  
00:06:02,469 --> 00:05:59,840  
many as 300 million potentially

152  
00:06:03,830 --> 00:06:02,479  
habitable planets just in our milky way

153  
00:06:06,469 --> 00:06:03,840  
galaxy

154  
00:06:08,790 --> 00:06:06,479  
and there may be 2 trillion galaxies in

155  
00:06:11,510 --> 00:06:08,800  
the observable universe

156  
00:06:14,070 --> 00:06:11,520  
now those are enormous numbers and when

157  
00:06:16,150 --> 00:06:14,080  
you hear them you assume of course that

158  
00:06:18,390 --> 00:06:16,160  
it makes sense that there would be life

159  
00:06:19,510 --> 00:06:18,400  
on some of those planets perhaps many of

160  
00:06:21,590 --> 00:06:19,520  
them

161  
00:06:24,230 --> 00:06:21,600  
because again that's just a subset of

162  
00:06:26,469 --> 00:06:24,240  
assumed to be habitable planets

163  
00:06:29,189 --> 00:06:26,479

and we assume that if evolution tends to

164

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

roll out universally that life would

165

00:06:33,189 --> 00:06:31,280

have sprung up in many of those places

166

00:06:36,150 --> 00:06:33,199

as well and some of it should have

167

00:06:38,390 --> 00:06:36,160

become sophisticated civilizations and

168

00:06:40,469 --> 00:06:38,400

presumably should have been already

169

00:06:43,350 --> 00:06:40,479

exploring the cosmos because they may

170

00:06:45,590 --> 00:06:43,360

have had a several million years or even

171

00:06:47,510 --> 00:06:45,600

several billion years head start as

172

00:06:49,029 --> 00:06:47,520

compared to us

173

00:06:51,830 --> 00:06:49,039

now of course the government has

174

00:06:53,510 --> 00:06:51,840

launched official endeavors such as seti

175

00:06:54,870 --> 00:06:53,520

the search for extraterrestrial

176  
00:06:57,029 --> 00:06:54,880  
intelligence

177  
00:06:58,070 --> 00:06:57,039  
but the problem is and many will point

178  
00:06:59,990 --> 00:06:58,080  
this out

179  
00:07:02,150 --> 00:07:00,000  
most of the assumptions behind that

180  
00:07:04,710 --> 00:07:02,160  
search has been around technologies such

181  
00:07:06,469 --> 00:07:04,720  
as radio transmissions indeed radio

182  
00:07:08,790 --> 00:07:06,479  
transmissions were expected to be the

183  
00:07:12,070 --> 00:07:08,800  
evidence we'd discover to confirm the

184  
00:07:14,790 --> 00:07:12,080  
existence of these et civilizations

185  
00:07:17,510 --> 00:07:14,800  
of course this was at a time the 1960s

186  
00:07:19,110 --> 00:07:17,520  
and 70s when radio transmissions

187  
00:07:22,309 --> 00:07:19,120  
accounted for the majority of

188  
00:07:24,230 --> 00:07:22,319

transmissions for human civilization

189

00:07:27,270 --> 00:07:24,240

now this is a prime example of what i

190

00:07:29,510 --> 00:07:27,280

call the inconsequential parameter error

191

00:07:31,029 --> 00:07:29,520

which relates to when theorists assume

192

00:07:33,749 --> 00:07:31,039

the same working components of a

193

00:07:35,510 --> 00:07:33,759

civilization today will be relevant for

194

00:07:37,510 --> 00:07:35,520

future populations

195

00:07:40,070 --> 00:07:37,520

rather than realizing that breakthroughs

196

00:07:42,150 --> 00:07:40,080

in understanding fundamentally change

197

00:07:45,670 --> 00:07:42,160

the nature of the question and often

198

00:07:47,350 --> 00:07:45,680

make former parameters irrelevant

199

00:07:48,790 --> 00:07:47,360

now let's tie this into the ufo

200

00:07:51,589 --> 00:07:48,800

phenomenon

201  
00:07:54,869 --> 00:07:51,599  
now for ufo enthusiasts the answer has

202  
00:07:57,189 --> 00:07:54,879  
been found et civilizations do exist

203  
00:08:00,790 --> 00:07:57,199  
because they're already here in the form

204  
00:08:03,270 --> 00:08:00,800  
of ufos and their alien occupants

205  
00:08:05,270 --> 00:08:03,280  
they're just being stealthy

206  
00:08:07,510 --> 00:08:05,280  
and we expected to understand more of

207  
00:08:10,830 --> 00:08:07,520  
their means of travel and perhaps their

208  
00:08:14,869 --> 00:08:10,840  
source solar system and planet in due

209  
00:08:17,749 --> 00:08:14,879  
time however while various contact d

210  
00:08:19,589 --> 00:08:17,759  
abductees spoke about being told about

211  
00:08:21,430 --> 00:08:19,599  
such locations

212  
00:08:23,830 --> 00:08:21,440  
under closer scrutiny much of the

213  
00:08:27,029 --> 00:08:23,840

information provided by these supposed

214

00:08:29,670 --> 00:08:27,039

aliens seem to be either nonsensical or

215

00:08:31,270 --> 00:08:29,680

so vague as to not be helpful

216

00:08:34,469 --> 00:08:31,280

in other words when people try to

217

00:08:37,430 --> 00:08:34,479

actually trace these supposed planets to

218

00:08:40,149 --> 00:08:37,440

star maps it just didn't pan out and of

219

00:08:42,149 --> 00:08:40,159

course that begs the question why why

220

00:08:44,389 --> 00:08:42,159

would these others that are supposedly

221

00:08:47,350 --> 00:08:44,399

aliens or claiming to be aliens that

222

00:08:50,230 --> 00:08:47,360

have come from far-flung star systems be

223

00:08:51,829 --> 00:08:50,240

telling people incorrect information in

224

00:08:54,070 --> 00:08:51,839

other words it seems sometimes that they

225

00:08:56,710 --> 00:08:54,080

are merely playing with people perhaps

226

00:08:59,910 --> 00:08:56,720

telling them what they want to hear

227

00:09:02,790 --> 00:08:59,920

now over time via the observant eye of

228

00:09:05,190 --> 00:09:02,800

researchers such as jacques vallee and j

229

00:09:07,269 --> 00:09:05,200

ellen heineck who really did attempt to

230

00:09:09,670 --> 00:09:07,279

gather data and study this phenomena

231

00:09:12,470 --> 00:09:09,680

with as few preconceived notions as

232

00:09:13,750 --> 00:09:12,480

possible which is always a good idea

233

00:09:16,150 --> 00:09:13,760

the origin

234

00:09:18,470 --> 00:09:16,160

source for these apparent visitors

235

00:09:20,230 --> 00:09:18,480

shifted to more of an interdimensional

236

00:09:23,269 --> 00:09:20,240

variety and of course we've discussed

237

00:09:25,750 --> 00:09:23,279

this on many times on this podcast

238

00:09:28,550 --> 00:09:25,760

now this interdimensional hypothesis

239

00:09:31,190 --> 00:09:28,560

suggests these others may be slipping in

240

00:09:33,110 --> 00:09:31,200

from some parallel reality that exists

241

00:09:35,190 --> 00:09:33,120

right alongside ours

242

00:09:37,509 --> 00:09:35,200

and in that sense it was questioned

243

00:09:38,949 --> 00:09:37,519

whether visitors is the correct term to

244

00:09:42,630 --> 00:09:38,959

use at all

245

00:09:45,590 --> 00:09:42,640

since they may have been here all along

246

00:09:48,470 --> 00:09:45,600

indeed in books like passport to magonia

247

00:09:50,710 --> 00:09:48,480

from folklore to flying saucers and

248

00:09:53,350 --> 00:09:50,720

wonders in the sky unexplained aerial

249

00:09:55,190 --> 00:09:53,360

objects from antiquity to modern times

250

00:09:57,590 --> 00:09:55,200

jacques vallee has made the paradigm

251  
00:10:00,150 --> 00:09:57,600  
shaking suggestion that the beings we

252  
00:10:02,230 --> 00:10:00,160  
encounter today and label as quote

253  
00:10:04,630 --> 00:10:02,240  
unquote space aliens

254  
00:10:06,790 --> 00:10:04,640  
may be the very same entities that were

255  
00:10:10,069 --> 00:10:06,800  
titled the little people from distant

256  
00:10:13,269 --> 00:10:10,079  
folklore including creatures such as gin

257  
00:10:15,670 --> 00:10:13,279  
fey goblins etc

258  
00:10:17,750 --> 00:10:15,680  
if these beings are interdimensional

259  
00:10:19,670 --> 00:10:17,760  
they may be popping in and out of our

260  
00:10:21,110 --> 00:10:19,680  
reality at will

261  
00:10:24,150 --> 00:10:21,120  
and some of them may indeed be

262  
00:10:26,230 --> 00:10:24,160  
considered co-denisons of planet earth

263  
00:10:28,470 --> 00:10:26,240

they may not live here all the time but

264

00:10:30,710 --> 00:10:28,480

perhaps some of the time

265

00:10:32,389 --> 00:10:30,720

the picture gets even more obscured or

266

00:10:34,389 --> 00:10:32,399

at least complicated

267

00:10:37,269 --> 00:10:34,399

when one considers that human beings

268

00:10:39,110 --> 00:10:37,279

perceive a very small slice of the total

269

00:10:41,269 --> 00:10:39,120

data out there

270

00:10:43,829 --> 00:10:41,279

and because of that more nuanced

271

00:10:46,230 --> 00:10:43,839

researchers rejected the idea that these

272

00:10:48,550 --> 00:10:46,240

beings would even have to be popping out

273

00:10:50,389 --> 00:10:48,560

of our world in order to explain why

274

00:10:52,949 --> 00:10:50,399

they're so rarely cited

275

00:10:55,269 --> 00:10:52,959

they could be the argument goes existing

276

00:10:58,829 --> 00:10:55,279

in a kind of shadow biome that is simply

277

00:11:01,670 --> 00:10:58,839

not perceivable by us at least not

278

00:11:03,750 --> 00:11:01,680

regularly when you add to this picture

279

00:11:06,949 --> 00:11:03,760

the notion that these others may have

280

00:11:09,030 --> 00:11:06,959

the capacity to alter our perceptions in

281

00:11:11,750 --> 00:11:09,040

such a way as to render themselves and

282

00:11:14,230 --> 00:11:11,760

their structures invisible

283

00:11:16,710 --> 00:11:14,240

then the options become even more what

284

00:11:18,470 --> 00:11:16,720

you might call interesting now much of

285

00:11:20,069 --> 00:11:18,480

this latter argument is based on the

286

00:11:22,870 --> 00:11:20,079

understanding that what we humans

287

00:11:26,069 --> 00:11:22,880

perceive as reality is actually a

288

00:11:28,310 --> 00:11:26,079

construction put together by our brains

289

00:11:30,710 --> 00:11:28,320

we take in data through the retinas of

290

00:11:33,110 --> 00:11:30,720

our eyes for instance then our brain

291

00:11:36,310 --> 00:11:33,120

generates or renders an image that we

292

00:11:38,470 --> 00:11:36,320

perceive as what's actually out there

293

00:11:43,110 --> 00:11:38,480

but of course what we're actually seeing

294

00:11:45,269 --> 00:11:43,120

is a construction a construct full stop

295

00:11:47,030 --> 00:11:45,279

now with that background in place both

296

00:11:49,829 --> 00:11:47,040

in terms of the history of the ufo

297

00:11:52,150 --> 00:11:49,839

phenomenon as well as the conditions the

298

00:11:53,670 --> 00:11:52,160

observations that have given rise to the

299

00:11:56,150 --> 00:11:53,680

fermi paradox

300

00:11:58,949 --> 00:11:56,160

i'd like to discuss two different very

301

00:12:02,389 --> 00:11:58,959

different hypotheses that both offer

302

00:12:05,350 --> 00:12:02,399

very intriguing possibilities to explain

303

00:12:07,350 --> 00:12:05,360

these two observations both what we find

304

00:12:10,150 --> 00:12:07,360

in the ufo phenomenon those of us who

305

00:12:12,310 --> 00:12:10,160

are deeply invested in this topic as

306

00:12:14,710 --> 00:12:12,320

well as what has been found apparently

307

00:12:16,629 --> 00:12:14,720

that has given rise to the fermi paradox

308

00:12:19,030 --> 00:12:16,639

in other words why aren't we finding

309

00:12:21,670 --> 00:12:19,040

evidence in a clear way of et

310

00:12:23,110 --> 00:12:21,680

civilizations out there

311

00:12:25,509 --> 00:12:23,120

now at this point i would like to

312

00:12:28,629 --> 00:12:25,519

suggest to you that if you're primarily

313

00:12:31,590 --> 00:12:28,639

focused on determining in what way ufos

314

00:12:33,430 --> 00:12:31,600

and alien intelligence are real

315

00:12:35,750 --> 00:12:33,440

you may be missing an accompanying

316

00:12:38,870 --> 00:12:35,760

question you should be asking just as

317

00:12:41,030 --> 00:12:38,880

regularly even though many do not

318

00:12:43,990 --> 00:12:41,040

that question is this

319

00:12:48,389 --> 00:12:44,000

in what way is the everyday waking world

320

00:12:51,110 --> 00:12:48,399

we trust as a baseline actually real

321

00:12:53,750 --> 00:12:51,120

for researcher donald hoffman that trust

322

00:12:55,990 --> 00:12:53,760

may be very well misplaced

323

00:12:58,629 --> 00:12:56,000

as we already touched on we know that we

324

00:13:01,110 --> 00:12:58,639

only observe a tiny slice of the total

325

00:13:03,990 --> 00:13:01,120

spectrum of what is manifesting out

326

00:13:05,750 --> 00:13:04,000

there in supposed objective reality

327

00:13:08,310 --> 00:13:05,760

but hoffman has taken this to an

328

00:13:10,550 --> 00:13:08,320

entirely new level proposing in fact

329

00:13:13,430 --> 00:13:10,560

that what we actually perceive is not

330

00:13:16,949 --> 00:13:13,440

just a limited subset of the totality

331

00:13:19,509 --> 00:13:16,959

but in fact a total fiction

332

00:13:21,910 --> 00:13:19,519

now hoffman calls his hypothesis

333

00:13:24,870 --> 00:13:21,920

conscious realism and he has written a

334

00:13:28,230 --> 00:13:24,880

book called the case against reality why

335

00:13:30,790 --> 00:13:28,240

evolution hid the truth from our eyes

336

00:13:33,750 --> 00:13:30,800

now we would do well to remember that as

337

00:13:36,069 --> 00:13:33,760

einstein put it time and space are modes

338

00:13:37,670 --> 00:13:36,079

by which we think and not conditions in

339

00:13:40,389 --> 00:13:37,680

which we live

340

00:13:42,710 --> 00:13:40,399

and hoffman also points out that stephen

341

00:13:45,509 --> 00:13:42,720

pinker sums up the argument well

342

00:13:48,470 --> 00:13:45,519

by saying quote we are organisms not

343

00:13:51,269 --> 00:13:48,480

angels and our minds are organs

344

00:13:53,750 --> 00:13:51,279

not pipelines to the truth our minds

345

00:13:55,750 --> 00:13:53,760

evolved by natural selection to solve

346

00:13:57,829 --> 00:13:55,760

problems that were life and death

347

00:14:00,790 --> 00:13:57,839

matters to our ancestors

348

00:14:02,470 --> 00:14:00,800

not to commune with correctness

349

00:14:05,269 --> 00:14:02,480

unquote

350

00:14:07,750 --> 00:14:05,279

now to be clear hoffman's suggestions

351  
00:14:10,389 --> 00:14:07,760  
are far-reaching he's suggesting again

352  
00:14:12,629 --> 00:14:10,399  
not that we just perceive a small subset

353  
00:14:15,829 --> 00:14:12,639  
of the totality but that actually what

354  
00:14:17,990 --> 00:14:15,839  
we perceive is entirely a fiction i'll

355  
00:14:20,310 --> 00:14:18,000  
go into what that fiction consists of in

356  
00:14:21,350 --> 00:14:20,320  
a moment but i firstly wanted to make it

357  
00:14:23,110 --> 00:14:21,360  
clear

358  
00:14:25,910 --> 00:14:23,120  
what hoffman is suggesting how

359  
00:14:29,189 --> 00:14:25,920  
far-reaching what he is suggesting is

360  
00:14:31,350 --> 00:14:29,199  
again he is saying what we perceive has

361  
00:14:34,470 --> 00:14:31,360  
nothing in common with the objective

362  
00:14:37,269 --> 00:14:34,480  
truth of what's actually out there in

363  
00:14:39,990 --> 00:14:37,279

fact he concludes based on equations he

364

00:14:42,629 --> 00:14:40,000

and his team have done that the chances

365

00:14:44,629 --> 00:14:42,639

that what we see what we perceive is

366

00:14:47,110 --> 00:14:44,639

actually descriptive of objective

367

00:14:48,629 --> 00:14:47,120

reality is precisely

368

00:14:50,389 --> 00:14:48,639

zero

369

00:14:52,550 --> 00:14:50,399

now of course i'm sure you're asking

370

00:14:54,790 --> 00:14:52,560

yourself at this point how can that be

371

00:14:57,269 --> 00:14:54,800

the case it's one thing to acknowledge

372

00:14:58,870 --> 00:14:57,279

that we're not perceiving all of what's

373

00:15:00,710 --> 00:14:58,880

out there but to claim that we're

374

00:15:03,590 --> 00:15:00,720

actually perceiving none of it seems

375

00:15:06,310 --> 00:15:03,600

like an outlandish notion what evidence

376

00:15:08,629 --> 00:15:06,320

is there to support such a notion

377

00:15:10,710 --> 00:15:08,639

well here i'd like to quote from hofmann

378

00:15:12,710 --> 00:15:10,720

and his book the case against reality

379

00:15:13,750 --> 00:15:12,720

how evolution hid the truth from our

380

00:15:16,550 --> 00:15:13,760

eyes

381

00:15:19,030 --> 00:15:16,560

quote the tinkering of evolution can

382

00:15:21,829 --> 00:15:19,040

concoct perceptual interfaces with

383

00:15:22,949 --> 00:15:21,839

endless forms most beautiful and most

384

00:15:25,269 --> 00:15:22,959

wonderful

385

00:15:27,990 --> 00:15:25,279

the vast majority of these however are

386

00:15:30,069 --> 00:15:28,000

to us most inconceivable

387

00:15:32,150 --> 00:15:30,079

evolution is not finished tinkering with

388

00:15:36,069 --> 00:15:32,160

the perceptual interfaces of homo

389

00:15:38,870 --> 00:15:36,079

sapiens the mutations that bless 1 in 25

390

00:15:40,389 --> 00:15:38,880

with some form of synesthesia are surely

391

00:15:42,629 --> 00:15:40,399

part of the process

392

00:15:45,110 --> 00:15:42,639

and some of these mutations might catch

393

00:15:47,030 --> 00:15:45,120

on much of the tinkering centers on our

394

00:15:49,990 --> 00:15:47,040

perceptions of color

395

00:15:52,949 --> 00:15:50,000

evolution defies our silly stricture

396

00:15:55,430 --> 00:15:52,959

that our perceptions must be vertical

397

00:15:58,389 --> 00:15:55,440

it freely explores endless forms of

398

00:16:01,269 --> 00:15:58,399

sensory interfaces hitting now and then

399

00:16:03,430 --> 00:16:01,279

on novel ways to shepherd our endless

400

00:16:05,030 --> 00:16:03,440

foraging for fitness

401  
00:16:07,030 --> 00:16:05,040  
unquote

402  
00:16:09,910 --> 00:16:07,040  
now to break down that argument in its

403  
00:16:13,590 --> 00:16:09,920  
simplest form it goes like this

404  
00:16:16,310 --> 00:16:13,600  
evolution has one goal one aim one

405  
00:16:18,710 --> 00:16:16,320  
mission and that is to keep us alive

406  
00:16:22,389 --> 00:16:18,720  
long enough that we can reproduce and

407  
00:16:24,310 --> 00:16:22,399  
perpetuate the species full stop in

408  
00:16:27,509 --> 00:16:24,320  
other words if we take evolutionary

409  
00:16:30,470 --> 00:16:27,519  
theory seriously then it would be in no

410  
00:16:33,829 --> 00:16:30,480  
way beholden to the notion of actually

411  
00:16:36,150 --> 00:16:33,839  
presenting to us reality or a picture

412  
00:16:37,430 --> 00:16:36,160  
that's descriptive of what's actually

413  
00:16:39,829 --> 00:16:37,440

out there

414

00:16:42,230 --> 00:16:39,839

rather hoffman suggests we should think

415

00:16:45,030 --> 00:16:42,240

about our perception as kind of like a

416

00:16:47,269 --> 00:16:45,040

desktop interface and on a desktop

417

00:16:49,189 --> 00:16:47,279

interface you have of course icons and

418

00:16:51,430 --> 00:16:49,199

folders and things like that

419

00:16:54,470 --> 00:16:51,440

and you may drag an email into your

420

00:16:55,670 --> 00:16:54,480

trash can icon and that might delete it

421

00:16:58,069 --> 00:16:55,680

of course

422

00:17:00,710 --> 00:16:58,079

but that is not reality we are aware of

423

00:17:04,390 --> 00:17:00,720

that clearly there are bits and bytes

424

00:17:06,630 --> 00:17:04,400

transistors voltage etc behind what's

425

00:17:08,549 --> 00:17:06,640

actually going on with our computers we

426

00:17:11,270 --> 00:17:08,559

don't take it literally that when we

427

00:17:13,829 --> 00:17:11,280

drag a folder into a trash can that

428

00:17:16,710 --> 00:17:13,839

that's actually representing the reality

429

00:17:18,949 --> 00:17:16,720

rather it's a useful illusion it's a

430

00:17:20,630 --> 00:17:18,959

useful presentation to help us

431

00:17:22,949 --> 00:17:20,640

accomplish something

432

00:17:25,510 --> 00:17:22,959

and in the same way hoffman is saying

433

00:17:28,789 --> 00:17:25,520

that is what our senses are presenting

434

00:17:32,230 --> 00:17:28,799

to us our brain has evolved to present

435

00:17:34,789 --> 00:17:32,240

to us icons within an interface a kind

436

00:17:38,230 --> 00:17:34,799

of virtual reality that helps keep us

437

00:17:40,789 --> 00:17:38,240

alive it has no interest whatsoever in

438

00:17:43,669 --> 00:17:40,799

showing us objective truth it merely

439

00:17:44,950 --> 00:17:43,679

presents whatever it can to keep us

440

00:17:46,630 --> 00:17:44,960

alive

441

00:17:48,710 --> 00:17:46,640

now when you step back and think about

442

00:17:51,110 --> 00:17:48,720

this when you really read the arguments

443

00:17:52,710 --> 00:17:51,120

that hoffman is making it begins to make

444

00:17:54,630 --> 00:17:52,720

a lot of sense

445

00:17:57,510 --> 00:17:54,640

and i have to say what's fascinating

446

00:18:00,710 --> 00:17:57,520

about this as a software engineer

447

00:18:03,270 --> 00:18:00,720

programmer is that this to me sounds an

448

00:18:05,669 --> 00:18:03,280

awful lot like a self-learning kind of

449

00:18:07,990 --> 00:18:05,679

artificial intelligence which makes

450

00:18:11,430 --> 00:18:08,000

progress through a long and never-ending

451  
00:18:14,310 --> 00:18:11,440  
process of iteration and correction and

452  
00:18:16,630 --> 00:18:14,320  
what's key to the algorithm is variation

453  
00:18:18,390 --> 00:18:16,640  
selection retention

454  
00:18:21,270 --> 00:18:18,400  
remember that a key component of

455  
00:18:23,510 --> 00:18:21,280  
evolution is to quote do things on the

456  
00:18:25,909 --> 00:18:23,520  
cheap which again from a programming

457  
00:18:28,789 --> 00:18:25,919  
point of view just means always strive

458  
00:18:30,549 --> 00:18:28,799  
for maximum efficiency write as little

459  
00:18:32,390 --> 00:18:30,559  
code as you need to

460  
00:18:33,830 --> 00:18:32,400  
why don't we have a six digit on our

461  
00:18:35,990 --> 00:18:33,840  
hand for instance

462  
00:18:37,909 --> 00:18:36,000  
because the cost likely isn't worth the

463  
00:18:40,150 --> 00:18:37,919

payoff that's exactly the kind of

464

00:18:42,710 --> 00:18:40,160

iterative process that evolution takes

465

00:18:45,029 --> 00:18:42,720

us through it tries various experiments

466

00:18:47,350 --> 00:18:45,039

various iterations and then makes

467

00:18:50,789 --> 00:18:47,360

progress by arriving at things that

468

00:18:52,390 --> 00:18:50,799

pragmatically work well full stop

469

00:18:55,190 --> 00:18:52,400

now when you stop and think about how

470

00:18:58,070 --> 00:18:55,200

this might apply to the ufo phenomenon

471

00:19:00,070 --> 00:18:58,080

what's fascinating is when you step back

472

00:19:02,630 --> 00:19:00,080

you realize that this could be a kind of

473

00:19:05,190 --> 00:19:02,640

program put in place by for instance a

474

00:19:07,750 --> 00:19:05,200

sophisticated alien intelligence that

475

00:19:10,789 --> 00:19:07,760

seated us on this planet and they could

476

00:19:13,270 --> 00:19:10,799

then leave they could move on let the

477

00:19:15,510 --> 00:19:13,280

process take its course and then perhaps

478

00:19:17,590 --> 00:19:15,520

come back periodically every few

479

00:19:19,990 --> 00:19:17,600

thousand years perhaps to see how the

480

00:19:22,390 --> 00:19:20,000

experiment is proceeding

481

00:19:25,430 --> 00:19:22,400

now on a previous podcast we discussed

482

00:19:26,710 --> 00:19:25,440

jacqueline's control system hypothesis

483

00:19:29,590 --> 00:19:26,720

well according to what we're talking

484

00:19:31,990 --> 00:19:29,600

about here evolution itself that entire

485

00:19:33,190 --> 00:19:32,000

process could be part of this control

486

00:19:34,710 --> 00:19:33,200

system

487

00:19:36,789 --> 00:19:34,720

and of course it should not be

488

00:19:38,950 --> 00:19:36,799

surprising to us therefore that they can

489

00:19:41,510 --> 00:19:38,960

seemingly intervene in our

490

00:19:43,990 --> 00:19:41,520

civilization's history without us being

491

00:19:46,710 --> 00:19:44,000

very aware of them because again all

492

00:19:49,029 --> 00:19:46,720

we're seeing is the virtual reality that

493

00:19:51,830 --> 00:19:49,039

evolution which is perhaps their seated

494

00:19:54,390 --> 00:19:51,840

program is presenting to us they are

495

00:19:57,110 --> 00:19:54,400

working behind the scenes perhaps in the

496

00:19:59,029 --> 00:19:57,120

more objective reality to actually

497

00:20:01,350 --> 00:19:59,039

influence us and perhaps steer the

498

00:20:02,870 --> 00:20:01,360

entire course of our civilization's

499

00:20:05,510 --> 00:20:02,880

history

500

00:20:07,510 --> 00:20:05,520

and interestingly hoffman himself has

501  
00:20:11,029 --> 00:20:07,520  
said that this addresses the fermi

502  
00:20:13,350 --> 00:20:11,039  
paradox because of course he argues that

503  
00:20:17,029 --> 00:20:13,360  
all we've been studying thus far the

504  
00:20:19,430 --> 00:20:17,039  
entire structure of space-time is just

505  
00:20:21,669 --> 00:20:19,440  
our headset our virtual reality we're

506  
00:20:25,110 --> 00:20:21,679  
existing in that our avatars are

507  
00:20:27,430 --> 00:20:25,120  
existing in the aliens aren't there they

508  
00:20:29,909 --> 00:20:27,440  
are actually in the objective reality

509  
00:20:30,909 --> 00:20:29,919  
beyond the virtual experience that we

510  
00:20:35,270 --> 00:20:30,919  
all

511  
00:20:37,190 --> 00:20:35,280  
now if you're concerned that this seems

512  
00:20:38,789 --> 00:20:37,200  
rather defeatist that we're always

513  
00:20:41,590 --> 00:20:38,799

doomed to be in a kind of virtual

514

00:20:43,990 --> 00:20:41,600

reality that doesn't depict the actual

515

00:20:46,470 --> 00:20:44,000

objective reality at all

516

00:20:48,789 --> 00:20:46,480

take heart because from hoffman's point

517

00:20:51,750 --> 00:20:48,799

of view when we get to this point in

518

00:20:54,789 --> 00:20:51,760

history part of the lesson may be to

519

00:20:56,630 --> 00:20:54,799

finally realize this and to realize that

520

00:21:00,789 --> 00:20:56,640

consciousness which is actually

521

00:21:03,590 --> 00:21:00,799

hoffman's hypothesis is fundamental not

522

00:21:06,070 --> 00:21:03,600

matter energy etc in other words

523

00:21:09,110 --> 00:21:06,080

physicalism to his point of view is not

524

00:21:11,750 --> 00:21:09,120

fundamental consciousness is and in fact

525

00:21:14,549 --> 00:21:11,760

what he sees as fundamental to reality

526  
00:21:15,750 --> 00:21:14,559  
is a kind of social network of conscious

527  
00:21:18,149 --> 00:21:15,760  
agents

528  
00:21:19,990 --> 00:21:18,159  
what's even more encouraging is that

529  
00:21:21,750 --> 00:21:20,000  
from his point of view

530  
00:21:23,830 --> 00:21:21,760  
once we get to this point where we

531  
00:21:26,710 --> 00:21:23,840  
realize we are basically all

532  
00:21:29,510 --> 00:21:26,720  
hallucinating a virtual reality we can

533  
00:21:32,390 --> 00:21:29,520  
begin to develop methods to actually tap

534  
00:21:34,549 --> 00:21:32,400  
into the objective reality beyond there

535  
00:21:36,470 --> 00:21:34,559  
and actually tap into the conscious

536  
00:21:39,110 --> 00:21:36,480  
agents communicate with the conscious

537  
00:21:41,669 --> 00:21:39,120  
agents that exist outside the virtual

538  
00:21:44,310 --> 00:21:41,679

reality and from hoffman's point of view

539

00:21:46,549 --> 00:21:44,320

he believes that actually that reality

540

00:21:48,470 --> 00:21:46,559

is teeming with life

541

00:21:51,110 --> 00:21:48,480

absolutely teeming with life we will

542

00:21:52,950 --> 00:21:51,120

likely be overwhelmed by how much life

543

00:21:55,350 --> 00:21:52,960

is actually out there and what's

544

00:21:57,110 --> 00:21:55,360

exciting is that from this point of view

545

00:22:00,230 --> 00:21:57,120

we are now at the point of history where

546

00:22:02,710 --> 00:22:00,240

we can begin that new pioneering journey

547

00:22:03,750 --> 00:22:02,720

that actually the final frontier is not

548

00:22:13,270 --> 00:22:03,760

space

549

00:22:16,230 --> 00:22:13,280

the final frontier is what is beyond the

550

00:22:17,750 --> 00:22:16,240

construct beyond the matrix you might

551  
00:22:20,149 --> 00:22:17,760  
say

552  
00:22:22,710 --> 00:22:20,159  
so hoffman's conscious realism is

553  
00:22:25,190 --> 00:22:22,720  
certainly one fascinating solution

554  
00:22:28,070 --> 00:22:25,200  
potentially to this issue both

555  
00:22:29,909 --> 00:22:28,080  
addressing the fermi paradox as well as

556  
00:22:31,590 --> 00:22:29,919  
what might be going on with the ufo

557  
00:22:32,950 --> 00:22:31,600  
phenomenon

558  
00:22:34,789 --> 00:22:32,960  
now i'd like to look at a different

559  
00:22:36,390 --> 00:22:34,799  
hypothesis that approaches this from a

560  
00:22:39,350 --> 00:22:36,400  
completely different

561  
00:22:40,789 --> 00:22:39,360  
point of view but also offers intriguing

562  
00:22:42,789 --> 00:22:40,799  
possibilities

563  
00:22:44,950 --> 00:22:42,799

this hypothesis is known as the

564

00:22:48,310 --> 00:22:44,960

transcension hypothesis

565

00:22:50,310 --> 00:22:48,320

now this hypothesis like hoffman's

566

00:22:51,990 --> 00:22:50,320

does address the fermi paradox and

567

00:22:54,950 --> 00:22:52,000

potentially explains where all the

568

00:22:57,990 --> 00:22:54,960

aliens are quote unquote hiding

569

00:23:00,070 --> 00:22:58,000

now again as with hoffman's points much

570

00:23:01,510 --> 00:23:00,080

of this comes down to our faulty

571

00:23:05,110 --> 00:23:01,520

assumptions

572

00:23:05,990 --> 00:23:05,120

discuss something called the kardashev

573

00:23:07,669 --> 00:23:06,000

scale

574

00:23:09,830 --> 00:23:07,679

this is a method of measuring a

575

00:23:12,230 --> 00:23:09,840

civilization's level of technological

576

00:23:15,029 --> 00:23:12,240

advancement based on the amount of

577

00:23:17,029 --> 00:23:15,039

energy it is able to use the assumption

578

00:23:19,110 --> 00:23:17,039

was for a long period of time when we

579

00:23:21,990 --> 00:23:19,120

looked at our own civilization and how

580

00:23:24,149 --> 00:23:22,000

we grew larger as we used more and more

581

00:23:26,230 --> 00:23:24,159

energy that we assumed that other

582

00:23:28,149 --> 00:23:26,240

civilizations would follow a similar

583

00:23:30,470 --> 00:23:28,159

path and that this would make them

584

00:23:33,590 --> 00:23:30,480

identifiable to us this would leave

585

00:23:36,549 --> 00:23:33,600

traces that would be detectable by us

586

00:23:39,110 --> 00:23:36,559

now according to the kardashev scale a

587

00:23:42,710 --> 00:23:39,120

type 1 civilization also called a

588

00:23:45,269 --> 00:23:42,720

planetary civilization can quote use and

589

00:23:48,630 --> 00:23:45,279

store all of the energy available on its

590

00:23:50,789 --> 00:23:48,640

planet so that's a type 1 civilization

591

00:23:53,750 --> 00:23:50,799

next you have what is considered a type

592

00:23:57,029 --> 00:23:53,760

2 civilization which quote also called a

593

00:23:59,750 --> 00:23:57,039

stellar civilization can use and control

594

00:24:01,750 --> 00:23:59,760

at the scale of its planetary system

595

00:24:04,070 --> 00:24:01,760

unquote in other words a type 2

596

00:24:07,430 --> 00:24:04,080

civilization can harness all of the

597

00:24:09,669 --> 00:24:07,440

energy of its entire star system its sun

598

00:24:12,230 --> 00:24:09,679

then you have a type 3 civilization

599

00:24:14,950 --> 00:24:12,240

which quote also called a galactic

600

00:24:19,269 --> 00:24:14,960

civilization can control energy at the

601  
00:24:21,750 --> 00:24:19,279  
scale of its entire host galaxy unquote

602  
00:24:23,990 --> 00:24:21,760  
a type 3 civilization has progressed to

603  
00:24:26,710 --> 00:24:24,000  
the point where it can harness the

604  
00:24:28,470 --> 00:24:26,720  
energy of an entire galaxy for instance

605  
00:24:31,029 --> 00:24:28,480  
perhaps the black holes within that

606  
00:24:34,310 --> 00:24:31,039  
galaxy that generate enormous amounts of

607  
00:24:36,230 --> 00:24:34,320  
energy that was for a long time the sort

608  
00:24:38,789 --> 00:24:36,240  
of working assumption about how

609  
00:24:40,230 --> 00:24:38,799  
civilizations would advance and progress

610  
00:24:42,549 --> 00:24:40,240  
over time

611  
00:24:44,070 --> 00:24:42,559  
now to be clear the assumption was not

612  
00:24:46,390 --> 00:24:44,080  
just that they would advance in this

613  
00:24:48,390 --> 00:24:46,400

predictable way from harnessing a

614

00:24:51,269 --> 00:24:48,400

planet's energy to a solar system's

615

00:24:54,310 --> 00:24:51,279

energy to a galaxy's energy but that

616

00:24:56,710 --> 00:24:54,320

their footprint would also be evident as

617

00:24:59,029 --> 00:24:56,720

well in other words if it is a galactic

618

00:25:00,470 --> 00:24:59,039

level civilization in other words a type

619

00:25:02,390 --> 00:25:00,480

3 civilization

620

00:25:04,630 --> 00:25:02,400

there should be a massive footprint you

621

00:25:07,510 --> 00:25:04,640

should see evidence of their dominance

622

00:25:09,510 --> 00:25:07,520

of an entire galaxy now of course if you

623

00:25:12,390 --> 00:25:09,520

think about it the kardashev scale that

624

00:25:15,510 --> 00:25:12,400

we just described ties in with the fermi

625

00:25:18,149 --> 00:25:15,520

paradox if that is how civilizations do

626

00:25:20,630 --> 00:25:18,159

indeed predictably progress through

627

00:25:22,789 --> 00:25:20,640

different levels of civilization then

628

00:25:24,710 --> 00:25:22,799

why aren't we seeing them why are we not

629

00:25:27,029 --> 00:25:24,720

finding them why are we not picking up

630

00:25:29,430 --> 00:25:27,039

this massive footprint that should exist

631

00:25:32,630 --> 00:25:29,440

from these civilizations that may be

632

00:25:34,710 --> 00:25:32,640

millions or billions of years beyond us

633

00:25:36,390 --> 00:25:34,720

well of course one option is that they

634

00:25:38,149 --> 00:25:36,400

simply don't exist that these

635

00:25:40,789 --> 00:25:38,159

civilizations either

636

00:25:43,110 --> 00:25:40,799

never formed or perhaps formed and blew

637

00:25:45,269 --> 00:25:43,120

themselves up indeed that's the

638

00:25:47,510 --> 00:25:45,279

conclusion that some people actually

639

00:25:49,750 --> 00:25:47,520

draw based on the evidence but when you

640

00:25:51,830 --> 00:25:49,760

step back and think about it you realize

641

00:25:53,990 --> 00:25:51,840

this will only be the case if our

642

00:25:56,789 --> 00:25:54,000

assumptions are correct

643

00:26:00,149 --> 00:25:56,799

now the kardashev scale was proposed by

644

00:26:02,070 --> 00:26:00,159

soviet astronomer nikolai kardashev in

645

00:26:07,510 --> 00:26:02,080

1964

646

00:26:09,510 --> 00:26:07,520

it certainly looked as if that's the way

647

00:26:12,310 --> 00:26:09,520

civilizations progressed because that's

648

00:26:14,390 --> 00:26:12,320

how our civilization was progressing as

649

00:26:17,029 --> 00:26:14,400

we became more sophisticated our

650

00:26:20,470 --> 00:26:17,039

footprint got larger and our energy

651  
00:26:23,350 --> 00:26:20,480  
usage went up but then times changed and

652  
00:26:25,750 --> 00:26:23,360  
the assumptions changed as well

653  
00:26:28,070 --> 00:26:25,760  
for instance in 1999

654  
00:26:31,269 --> 00:26:28,080  
john d barrow proposed a scale of

655  
00:26:33,510 --> 00:26:31,279  
civilization types based not on size and

656  
00:26:37,430 --> 00:26:33,520  
energy usage but their ability to

657  
00:26:39,350 --> 00:26:37,440  
control matter at different micro scales

658  
00:26:41,990 --> 00:26:39,360  
in other words according to barrow's

659  
00:26:44,070 --> 00:26:42,000  
model that was proposed decades after

660  
00:26:46,710 --> 00:26:44,080  
the kardashians scale the footprint

661  
00:26:49,590 --> 00:26:46,720  
would go in the opposite direction that

662  
00:26:52,470 --> 00:26:49,600  
sophistication would lead to ever more

663  
00:26:54,549 --> 00:26:52,480

micro scale understandings of reality

664

00:26:57,669 --> 00:26:54,559

and a kind of nanotechnology that would

665

00:27:00,870 --> 00:26:57,679

also involve a technological singularity

666

00:27:02,950 --> 00:27:00,880

that married together consciousness and

667

00:27:04,390 --> 00:27:02,960

an atomic level microengineering

668

00:27:06,630 --> 00:27:04,400

basically

669

00:27:08,950 --> 00:27:06,640

now in the kardashev scale we discussed

670

00:27:11,669 --> 00:27:08,960

three different types of civilizations

671

00:27:13,510 --> 00:27:11,679

that would progress predictably well in

672

00:27:15,510 --> 00:27:13,520

the barrow scale again it goes in the

673

00:27:17,669 --> 00:27:15,520

opposite direction there are seven

674

00:27:19,590 --> 00:27:17,679

levels the first one is when a

675

00:27:21,990 --> 00:27:19,600

civilization is able to manipulate

676  
00:27:24,310 --> 00:27:22,000  
objects of its own scale

677  
00:27:25,669 --> 00:27:24,320  
the second one is when it can manipulate

678  
00:27:27,830 --> 00:27:25,679  
genes

679  
00:27:29,430 --> 00:27:27,840  
third is the ability to manipulate

680  
00:27:31,269 --> 00:27:29,440  
molecules

681  
00:27:33,029 --> 00:27:31,279  
fourth the ability to manipulate

682  
00:27:35,990 --> 00:27:33,039  
individual atoms

683  
00:27:38,950 --> 00:27:36,000  
then manipulate atomic nuclei

684  
00:27:42,470 --> 00:27:38,960  
then manipulate elementary particles and

685  
00:27:43,830 --> 00:27:42,480  
finally manipulate space-time structure

686  
00:27:46,870 --> 00:27:43,840  
itself

687  
00:27:49,510 --> 00:27:46,880  
now this transcension hypothesis plays

688  
00:27:52,389 --> 00:27:49,520

on these assumptions put forward by john

689

00:27:54,789 --> 00:27:52,399

d barrow the model that suggests that

690

00:27:56,549 --> 00:27:54,799

ever more micro levels of reality are

691

00:27:58,950 --> 00:27:56,559

what's involved here

692

00:28:01,430 --> 00:27:58,960

john m smart was the one that proposed

693

00:28:03,110 --> 00:28:01,440

the transcension hypothesis and i'd like

694

00:28:05,750 --> 00:28:03,120

to quote him now

695

00:28:07,990 --> 00:28:05,760

quote in a nutshell the transcension

696

00:28:10,470 --> 00:28:08,000

hypothesis predicts constrained

697

00:28:13,590 --> 00:28:10,480

transcension of intelligence from the

698

00:28:16,149 --> 00:28:13,600

universe rather than expansion i.e

699

00:28:19,190 --> 00:28:16,159

colonization within the universe by

700

00:28:21,830 --> 00:28:19,200

intelligence wherever it arises

701  
00:28:23,669 --> 00:28:21,840  
if the hypothesis is correct the reason

702  
00:28:26,710 --> 00:28:23,679  
we don't see and haven't heard from

703  
00:28:28,950 --> 00:28:26,720  
advanced civilizations anywhere is that

704  
00:28:31,110 --> 00:28:28,960  
the vast majority leave the visible

705  
00:28:33,110 --> 00:28:31,120  
universe as they develop

706  
00:28:35,510 --> 00:28:33,120  
and the few that do not are very

707  
00:28:39,510 --> 00:28:35,520  
unlikely to be visible to us with our

708  
00:28:41,909 --> 00:28:39,520  
presently weak seti abilities unquote

709  
00:28:44,310 --> 00:28:41,919  
now on this podcast before we've briefly

710  
00:28:46,710 --> 00:28:44,320  
touched on the technological singularity

711  
00:28:48,070 --> 00:28:46,720  
that our civilization is quickly

712  
00:28:50,789 --> 00:28:48,080  
approaching

713  
00:28:53,110 --> 00:28:50,799

what's being suggested by smart here is

714

00:28:54,950 --> 00:28:53,120

that there may be many civilizations

715

00:28:57,669 --> 00:28:54,960

more sophisticated than us that reached

716

00:29:01,029 --> 00:28:57,679

this point and did indeed pass through

717

00:29:03,110 --> 00:29:01,039

this singularity point and effectively

718

00:29:05,510 --> 00:29:03,120

exited our universe

719

00:29:08,149 --> 00:29:05,520

what he's suggesting is that size of

720

00:29:10,310 --> 00:29:08,159

course is relative there is as much to

721

00:29:13,990 --> 00:29:10,320

explore at the micro level of the

722

00:29:16,549 --> 00:29:14,000

universe as there is at the macro

723

00:29:19,110 --> 00:29:16,559

in fact when you tie in consciousness

724

00:29:21,750 --> 00:29:19,120

and virtual reality and computer

725

00:29:24,149 --> 00:29:21,760

simulations it may be much more

726

00:29:26,310 --> 00:29:24,159

efficient and interesting for a

727

00:29:28,789 --> 00:29:26,320

civilization that reaches a sufficient

728

00:29:31,110 --> 00:29:28,799

level of technological understanding to

729

00:29:34,630 --> 00:29:31,120

create a kind of virtual reality at a

730

00:29:36,549 --> 00:29:34,640

micro scale somehow non-locally attuned

731

00:29:39,750 --> 00:29:36,559

consciousness within that virtual

732

00:29:42,070 --> 00:29:39,760

reality and exists there and if they did

733

00:29:44,470 --> 00:29:42,080

that they would effectively leave the

734

00:29:46,470 --> 00:29:44,480

causal structure of our cosmos

735

00:29:49,430 --> 00:29:46,480

altogether

736

00:29:52,149 --> 00:29:49,440

so just as with hoffman's hypothesis

737

00:29:54,710 --> 00:29:52,159

here we have a postulation that could

738

00:29:56,549 --> 00:29:54,720

address not only the fermi paradox

739

00:29:59,190 --> 00:29:56,559

but also address what we're observing

740

00:30:01,909 --> 00:29:59,200

with the ufo phenomenon because this

741

00:30:04,470 --> 00:30:01,919

level of sophistication would allow them

742

00:30:07,110 --> 00:30:04,480

to manipulate space-time structure

743

00:30:09,350 --> 00:30:07,120

itself which of course fits very well

744

00:30:11,430 --> 00:30:09,360

with what has been observed not only in

745

00:30:13,909 --> 00:30:11,440

the vehicles we see in the skies but

746

00:30:15,750 --> 00:30:13,919

also in the beings and how for instance

747

00:30:17,830 --> 00:30:15,760

the interior of a ship might be

748

00:30:19,990 --> 00:30:17,840

incredibly large when compared to what

749

00:30:22,950 --> 00:30:20,000

it looked like from the outside again

750

00:30:25,590 --> 00:30:22,960

they seem to know how to scale space up

751

00:30:27,190 --> 00:30:25,600

and down in this manner

752

00:30:28,710 --> 00:30:27,200

and now i'd like to leave you with a few

753

00:30:30,789 --> 00:30:28,720

concluding thoughts

754

00:30:32,149 --> 00:30:30,799

when we reflect on both cases we

755

00:30:34,070 --> 00:30:32,159

discussed today

756

00:30:36,710 --> 00:30:34,080

whether these others are coming at us

757

00:30:38,870 --> 00:30:36,720

from some nano pocket of our reality

758

00:30:41,350 --> 00:30:38,880

that we could only hope to detect if we

759

00:30:43,750 --> 00:30:41,360

knew exactly when and where to look

760

00:30:45,750 --> 00:30:43,760

or they're operating with impunity in

761

00:30:48,149 --> 00:30:45,760

and around us but in such a way that our

762

00:30:50,870 --> 00:30:48,159

virtual reality interface has no

763

00:30:53,830 --> 00:30:50,880

capacity to detect because it has no

764

00:30:55,669 --> 00:30:53,840

corresponding avatar or icon

765

00:30:58,630 --> 00:30:55,679

we should not be surprised that there

766

00:31:00,789 --> 00:30:58,640

are realities and intelligences beyond

767

00:31:02,230 --> 00:31:00,799

what we can currently comprehend

768

00:31:03,909 --> 00:31:02,240

or detect

769

00:31:06,070 --> 00:31:03,919

and we should make this point to those

770

00:31:09,190 --> 00:31:06,080

who would suggest the chances of aliens

771

00:31:11,029 --> 00:31:09,200

being in our midst are almost nil

772

00:31:13,350 --> 00:31:11,039

it also occurs to me that if a

773

00:31:15,029 --> 00:31:13,360

civilization sufficiently advanced

774

00:31:17,190 --> 00:31:15,039

beyond our current level

775

00:31:19,990 --> 00:31:17,200

wanted to remain unnoticed they would

776

00:31:21,990 --> 00:31:20,000

have the capacity to do so indeed both

777

00:31:24,149 --> 00:31:22,000

scenarios we discussed today would

778

00:31:26,950 --> 00:31:24,159

suggest that's the case

779

00:31:29,669 --> 00:31:26,960

the thing is when vision extends beyond

780

00:31:31,990 --> 00:31:29,679

the constraints of linear time as with

781

00:31:34,789 --> 00:31:32,000

these others who exist in both the cases

782

00:31:36,070 --> 00:31:34,799

we discussed today beyond our space-time

783

00:31:38,070 --> 00:31:36,080

construct

784

00:31:41,110 --> 00:31:38,080

then intervention wouldn't have to be

785

00:31:43,430 --> 00:31:41,120

discernible by the natives at all

786

00:31:46,470 --> 00:31:43,440

because the slightest of imperceptible

787

00:31:49,190 --> 00:31:46,480

nudges here and there could predictably

788

00:31:51,750 --> 00:31:49,200

change the course of development

789

00:31:54,070 --> 00:31:51,760

therefore considering that these others

790

00:31:57,190 --> 00:31:54,080

are being seen by us and that we're

791

00:31:58,950 --> 00:31:57,200

perceiving them intervening in our lives

792

00:32:01,669 --> 00:31:58,960

and furthermore that the level of

793

00:32:03,830 --> 00:32:01,679

intervention and noticeable interaction

794

00:32:06,070 --> 00:32:03,840

by some of these others has apparently

795

00:32:07,509 --> 00:32:06,080

increased say since the dawn of the

796

00:32:09,669 --> 00:32:07,519

atomic age

797

00:32:12,789 --> 00:32:09,679

one could logically argue that their

798

00:32:14,470 --> 00:32:12,799

presence coming slowly but surely into

799

00:32:17,830 --> 00:32:14,480

our collective awareness

800

00:32:20,310 --> 00:32:17,840

is indeed part of the plan

801  
00:32:22,149 --> 00:32:20,320  
and on that note we've come to the close

802  
00:32:24,549 --> 00:32:22,159  
of another edition of the point of

803  
00:32:26,149 --> 00:32:24,559  
convergence podcast i'd like to thank

804  
00:32:28,070 --> 00:32:26,159  
the new patreons that are supporting

805  
00:32:31,149 --> 00:32:28,080  
this podcast if you would like to

806  
00:32:32,870 --> 00:32:31,159  
support the podcast you can do so at

807  
00:32:35,110 --> 00:32:32,880  
patreon.com

808  
00:32:37,190 --> 00:32:35,120  
exo academian

809  
00:32:39,029 --> 00:32:37,200  
but until next time friends from deep

810  
00:32:42,149 --> 00:32:39,039  
within the blue ridge mountains of north

811  
00:32:44,590 --> 00:32:42,159  
carolina this is exo academian signing