

# Cellular Cosmology and the Human Hologenome

Darius Hober



**SOCIETY  
FOR  
SCIENTIFIC  
EXPLORATION**

1  
00:00:09,430 --> 00:00:06,150

[Music]

2  
00:00:11,430 --> 00:00:09,440  
welcome to the afternoon session well

3  
00:00:13,830 --> 00:00:11,440  
afternoon where i am welcome to the

4  
00:00:16,470 --> 00:00:13,840  
session that we have darius is going to

5  
00:00:18,710 --> 00:00:16,480  
be uh it's more early in the morning for

6  
00:00:20,550 --> 00:00:18,720  
darius so uh it'll be a slightly

7  
00:00:22,390 --> 00:00:20,560  
different time frame for him but we're

8  
00:00:23,670 --> 00:00:22,400  
welcome we're happy to have you here

9  
00:00:26,390 --> 00:00:23,680  
with us today

10  
00:00:28,630 --> 00:00:26,400  
uh we have a presentation now from

11  
00:00:30,870 --> 00:00:28,640  
darius hofer it's going to go on for

12  
00:00:32,709 --> 00:00:30,880  
about 40 minutes or so and then we'll

13  
00:00:34,310 --> 00:00:32,719

have q and a afterwards and then we'll

14

00:00:36,470 --> 00:00:34,320

take a further break afterwards but

15

00:00:37,270 --> 00:00:36,480

we'll get back to that later

16

00:00:39,270 --> 00:00:37,280

um

17

00:00:41,750 --> 00:00:39,280

we're really happy to have you here

18

00:00:42,630 --> 00:00:41,760

thanks for being here darius

19

00:00:45,430 --> 00:00:42,640

okay

20

00:00:46,310 --> 00:00:45,440

thank you john um everybody thank you

21

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

for

22

00:00:50,069 --> 00:00:48,399

taking the time out to listen to me it's

23

00:00:53,350 --> 00:00:50,079

nice to be able to

24

00:00:54,950 --> 00:00:53,360

share ideas and get feedback on things

25

00:00:57,430 --> 00:00:54,960

that we're working on

26

00:00:58,470 --> 00:00:57,440

um

27

00:01:00,310 --> 00:00:58,480

okay my

28

00:01:02,549 --> 00:01:00,320

my talk is on

29

00:01:05,509 --> 00:01:02,559

cellular cosmology and the effect of the

30

00:01:07,830 --> 00:01:05,519

human hollow genome on consciousness

31

00:01:11,190 --> 00:01:07,840

and it sounds like a lot but once i get

32

00:01:12,710 --> 00:01:11,200

into it you'll see how it all fits okay

33

00:01:14,630 --> 00:01:12,720

um

34

00:01:16,710 --> 00:01:14,640

the reason i start out with cellular

35

00:01:18,789 --> 00:01:16,720

cosmology is

36

00:01:21,190 --> 00:01:18,799

we need a metaphor

37

00:01:23,429 --> 00:01:21,200

to be able to talk about things

38

00:01:25,429 --> 00:01:23,439

reductionist science

39

00:01:26,789 --> 00:01:25,439

doesn't allow this

40

00:01:28,789 --> 00:01:26,799

because

41

00:01:30,469 --> 00:01:28,799

we can't keep

42

00:01:31,270 --> 00:01:30,479

reducing things

43

00:01:33,429 --> 00:01:31,280

and

44

00:01:35,190 --> 00:01:33,439

separating things

45

00:01:37,270 --> 00:01:35,200

nothing really is separate in an

46

00:01:41,429 --> 00:01:37,280

energetic reality

47

00:01:44,310 --> 00:01:41,439

so cellular cosmology is the idea of

48

00:01:46,389 --> 00:01:44,320

taking the concept of a cell

49

00:01:48,230 --> 00:01:46,399

an area comprising of zones with

50

00:01:51,270 --> 00:01:48,240

specialized purposes

51  
00:01:53,590 --> 00:01:51,280  
surrounded by a semi-permeable membrane

52  
00:01:55,749 --> 00:01:53,600  
and using that as a metaphor

53  
00:01:57,670 --> 00:01:55,759  
to be able to look at reality

54  
00:01:58,900 --> 00:01:57,680  
and it allows us to have

55  
00:02:00,149 --> 00:01:58,910  
system integration

56  
00:02:02,630 --> 00:02:00,159  
[Music]

57  
00:02:05,830 --> 00:02:02,640  
because essentially everything is

58  
00:02:09,029 --> 00:02:05,840  
systems within systems within system

59  
00:02:11,029 --> 00:02:09,039  
and i think that has a lot to do with

60  
00:02:12,670 --> 00:02:11,039  
our explanation of

61  
00:02:14,470 --> 00:02:12,680  
uh

62  
00:02:16,869 --> 00:02:14,480  
parapsychology

63  
00:02:19,110 --> 00:02:16,879

um ehes

64

00:02:20,949 --> 00:02:19,120

exceptional human experiences things

65

00:02:23,510 --> 00:02:20,959

that fall out of the norm

66

00:02:27,110 --> 00:02:23,520

that don't fit a reductionist program

67

00:02:28,790 --> 00:02:27,120

and it also is a universal truth

68

00:02:30,470 --> 00:02:28,800

for me it's hard to find things that are

69

00:02:32,390 --> 00:02:30,480

universal truths

70

00:02:33,910 --> 00:02:32,400

things that scale up from the atom to

71

00:02:35,350 --> 00:02:33,920

the cosmos

72

00:02:37,509 --> 00:02:35,360

usually we find

73

00:02:39,110 --> 00:02:37,519

to me we find a lot of truth with a

74

00:02:42,790 --> 00:02:39,120

small t

75

00:02:43,589 --> 00:02:42,800

very very little truth with a capital t

76

00:02:46,309 --> 00:02:43,599

so

77

00:02:47,670 --> 00:02:46,319

if you look at an atom

78

00:02:49,270 --> 00:02:47,680

an atom

79

00:02:51,670 --> 00:02:49,280

has

80

00:02:54,390 --> 00:02:51,680

a semi-permeable membrane with the outer

81

00:02:57,270 --> 00:02:54,400

outer orbit of the electron

82

00:02:59,350 --> 00:02:57,280

and areas of specialized function

83

00:03:01,990 --> 00:02:59,360

the nucleus and

84

00:03:04,149 --> 00:03:02,000

neutrons and protons

85

00:03:06,710 --> 00:03:04,159

an organic cell which is where the

86

00:03:08,710 --> 00:03:06,720

concept sort of came from

87

00:03:10,790 --> 00:03:08,720

we all know about cells they all have a

88

00:03:12,149 --> 00:03:10,800

semi-permeable membrane so things can

89

00:03:14,869 --> 00:03:12,159

get in and out

90

00:03:17,750 --> 00:03:14,879

and area is a specialized function

91

00:03:19,990 --> 00:03:17,760

the nucleus with the dna and rna the

92

00:03:22,790 --> 00:03:20,000

ribosomes multibodies all the things

93

00:03:24,630 --> 00:03:22,800

that are inside the cell

94

00:03:26,949 --> 00:03:24,640

then you can take that concept out to

95

00:03:29,990 --> 00:03:26,959

the solar system

96

00:03:33,910 --> 00:03:30,000

with with the heliosphere

97

00:03:38,210 --> 00:03:36,470

and the planets and the sun be in the

98

00:03:39,350 --> 00:03:38,220

areas of specialized function

99

00:03:41,030 --> 00:03:39,360

[Music]

100

00:03:43,589 --> 00:03:41,040

within it

101

00:03:45,350 --> 00:03:43,599

same thing with the milky way

102

00:03:48,470 --> 00:03:45,360

the milky way is just a collection of

103

00:03:50,789 --> 00:03:48,480

systems within systems within systems

104

00:03:52,550 --> 00:03:50,799

but they all have a region that theirs

105

00:03:54,149 --> 00:03:52,560

that's theirs

106

00:03:57,830 --> 00:03:54,159

and you can extend this all the way out

107

00:04:02,630 --> 00:03:57,840

to the universe on a universal scale

108

00:04:07,670 --> 00:04:05,350

everything in it is specialized areas of

109

00:04:11,509 --> 00:04:07,680

specialized function

110

00:04:12,309 --> 00:04:11,519

so i think that this concept

111

00:04:16,229 --> 00:04:12,319

should

112

00:04:18,310 --> 00:04:16,239

start looking at reality and

113

00:04:19,830 --> 00:04:18,320

investigating the world and that's what

114

00:04:22,469 --> 00:04:19,840

i'm going to show when i talk about the

115

00:04:24,390 --> 00:04:22,479

human whole genome and consciousness but

116

00:04:26,070 --> 00:04:24,400

i wanted to put this out there as a

117

00:04:28,710 --> 00:04:26,080

stepping stone

118

00:04:30,870 --> 00:04:28,720

to understand this because even when we

119

00:04:32,950 --> 00:04:30,880

get within a cell

120

00:04:34,550 --> 00:04:32,960

it's still system integration this is

121

00:04:36,310 --> 00:04:34,560

some really cool

122

00:04:39,110 --> 00:04:36,320

uh

123

00:04:42,950 --> 00:04:39,120

electron microscopy where they digitized

124

00:04:45,430 --> 00:04:42,960

it but even inside the cell you see air

125

00:04:47,990 --> 00:04:45,440

you see cells within cells areas with

126  
00:04:49,270 --> 00:04:48,000  
boundaries and things with specialized

127  
00:04:50,710 --> 00:04:49,280  
function

128  
00:04:52,790 --> 00:04:50,720  
inside it

129  
00:04:55,270 --> 00:04:52,800  
so this concept

130  
00:04:57,590 --> 00:04:55,280  
of cellular cosmology

131  
00:04:59,430 --> 00:04:57,600  
gives us a way to talk about

132  
00:05:01,590 --> 00:04:59,440  
system integration

133  
00:05:03,510 --> 00:05:01,600  
and the interconnectedness of things

134  
00:05:05,110 --> 00:05:03,520  
rather than the

135  
00:05:08,469 --> 00:05:05,120  
rather than looking at things through

136  
00:05:14,070 --> 00:05:09,510  
what

137  
00:05:15,110 --> 00:05:14,080  
on this

138  
00:05:16,870 --> 00:05:15,120

was

139

00:05:21,830 --> 00:05:16,880

i wanted to know

140

00:05:24,629 --> 00:05:21,840

why i was not in control of myself

141

00:05:26,870 --> 00:05:24,639

and it may sound silly it may sound a

142

00:05:29,029 --> 00:05:26,880

little a little naive

143

00:05:31,670 --> 00:05:29,039

but i wanted to know

144

00:05:33,670 --> 00:05:31,680

if i said i'm going to like math

145

00:05:34,629 --> 00:05:33,680

or i'm going to like strawberry ice

146

00:05:36,710 --> 00:05:34,639

cream

147

00:05:39,029 --> 00:05:36,720

i declared it

148

00:05:41,029 --> 00:05:39,039

but for some reason

149

00:05:42,230 --> 00:05:41,039

it doesn't happen

150

00:05:45,110 --> 00:05:42,240

so

151  
00:05:47,830 --> 00:05:45,120  
it made me begin to question

152  
00:05:50,710 --> 00:05:47,840  
who's in charge of my shift

153  
00:05:52,790 --> 00:05:50,720  
and i worked on it for a long time

154  
00:05:55,510 --> 00:05:52,800  
and i was going at it from the ego view

155  
00:05:57,430 --> 00:05:55,520  
who am i what's going on here standard

156  
00:05:59,590 --> 00:05:57,440  
psychology look

157  
00:06:02,710 --> 00:05:59,600  
and it kept running in circles like

158  
00:06:04,469 --> 00:06:02,720  
i couldn't really get where i wanted to

159  
00:06:06,469 --> 00:06:04,479  
and i had a mentor tell me while i'm

160  
00:06:08,390 --> 00:06:06,479  
asking the wrong question so instead of

161  
00:06:10,870 --> 00:06:08,400  
asking who are you

162  
00:06:14,790 --> 00:06:10,880  
ask what are you

163  
00:06:17,270 --> 00:06:14,800

so when i started looking at what i am

164

00:06:19,350 --> 00:06:17,280

that's where the cellular cosmology came

165

00:06:21,430 --> 00:06:19,360

up and i'll get into that and i'll get

166

00:06:23,670 --> 00:06:21,440

into this further but

167

00:06:25,350 --> 00:06:23,680

essentially every one of us is comprised

168

00:06:27,830 --> 00:06:25,360

of cells that's our

169

00:06:29,189 --> 00:06:27,840

building block

170

00:06:32,469 --> 00:06:29,199

so

171

00:06:37,510 --> 00:06:35,430

from a cosmological and a historical

172

00:06:38,870 --> 00:06:37,520

perspective

173

00:06:40,710 --> 00:06:38,880

the earth started four and a half

174

00:06:41,830 --> 00:06:40,720

billion years ago

175

00:06:44,870 --> 00:06:41,840

and

176

00:06:47,270 --> 00:06:44,880

it depends on whose information you look

177

00:06:49,670 --> 00:06:47,280

at it roughly took half a billion years

178

00:06:50,870 --> 00:06:49,680

for the earth to cool down

179

00:06:53,350 --> 00:06:50,880

and

180

00:06:56,150 --> 00:06:53,360

there's two two theories

181

00:06:58,710 --> 00:06:56,160

of how life started on the earth

182

00:07:01,670 --> 00:06:58,720

one is abiogenesis which says that

183

00:07:04,950 --> 00:07:01,680

things were just created here through

184

00:07:09,830 --> 00:07:07,270

connections of chemicals to finally

185

00:07:11,589 --> 00:07:09,840

molecules were formed

186

00:07:13,589 --> 00:07:11,599

but then there's also the concept of

187

00:07:14,870 --> 00:07:13,599

panspermia

188

00:07:16,629 --> 00:07:14,880

where

189

00:07:19,350 --> 00:07:16,639

the earth was seated

190

00:07:21,909 --> 00:07:19,360

because the universe is

191

00:07:24,230 --> 00:07:21,919

14 billion years old

192

00:07:27,430 --> 00:07:24,240

and the earth is relatively new compared

193

00:07:29,189 --> 00:07:27,440

to the giant timeline of the earth

194

00:07:32,070 --> 00:07:29,199

so

195

00:07:34,790 --> 00:07:32,080

thinking about occam's razor

196

00:07:37,270 --> 00:07:34,800

that the most economical answer

197

00:07:39,670 --> 00:07:37,280

is probably the right one

198

00:07:41,350 --> 00:07:39,680

the idea of panspermia works because we

199

00:07:42,469 --> 00:07:41,360

haven't proven

200

00:07:44,629 --> 00:07:42,479

that

201  
00:07:47,909 --> 00:07:44,639  
just putting chemicals in a primordial

202  
00:07:50,070 --> 00:07:47,919  
soup eventually life will pop out of it

203  
00:07:52,230 --> 00:07:50,080  
but if you look at the

204  
00:07:53,510 --> 00:07:52,240  
data and the information that we have

205  
00:07:55,270 --> 00:07:53,520  
from

206  
00:07:56,629 --> 00:07:55,280  
meteors

207  
00:08:01,270 --> 00:07:56,639  
that have

208  
00:08:04,230 --> 00:08:01,280  
they found

209  
00:08:05,990 --> 00:08:04,240  
fossilized microbes

210  
00:08:08,309 --> 00:08:06,000  
on the meteors

211  
00:08:10,070 --> 00:08:08,319  
and when crick and wasan the people that

212  
00:08:12,710 --> 00:08:10,080  
the the two guys that are credited with

213  
00:08:14,230 --> 00:08:12,720

discovering dna

214

00:08:16,710 --> 00:08:14,240

when

215

00:08:18,390 --> 00:08:16,720

crick was asked how did you know how did

216

00:08:21,029 --> 00:08:18,400

dna start

217

00:08:22,790 --> 00:08:21,039

he was a proponent of panspermia

218

00:08:24,790 --> 00:08:22,800

they didn't want to hear that so they

219

00:08:27,270 --> 00:08:24,800

sort of ran him out and the latter part

220

00:08:31,749 --> 00:08:27,280

of his years he switched from

221

00:08:34,709 --> 00:08:31,759

biochemistry to looking at consciousness

222

00:08:37,909 --> 00:08:34,719

when you think about

223

00:08:40,230 --> 00:08:37,919

meteors bringing life to the planet

224

00:08:42,230 --> 00:08:40,240

um through panspermia

225

00:08:44,070 --> 00:08:42,240

one of the

226

00:08:45,350 --> 00:08:44,080

fungal spores

227

00:08:48,389 --> 00:08:45,360

can handle

228

00:08:50,870 --> 00:08:48,399

deep space and handle travel

229

00:08:52,550 --> 00:08:50,880

and another creature that's prevalent

230

00:08:55,269 --> 00:08:52,560

throughout every environment on the

231

00:08:56,470 --> 00:08:55,279

planet water deserts

232

00:08:58,870 --> 00:08:56,480

snow

233

00:09:00,790 --> 00:08:58,880

everywhere are the tardigrades or what's

234

00:09:02,870 --> 00:09:00,800

called water bears

235

00:09:05,590 --> 00:09:02,880

and if you look at them

236

00:09:08,070 --> 00:09:05,600

they look like astronauts they have the

237

00:09:10,310 --> 00:09:08,080

there's their body looks like the suits

238

00:09:11,670 --> 00:09:10,320

that our astronauts have

239

00:09:13,590 --> 00:09:11,680

um

240

00:09:16,870 --> 00:09:13,600

they can survive

241

00:09:17,990 --> 00:09:16,880

in 150 degrees celsius heat

242

00:09:19,430 --> 00:09:18,000

they can

243

00:09:21,670 --> 00:09:19,440

be frozen

244

00:09:23,190 --> 00:09:21,680

ice crystals in their body

245

00:09:26,790 --> 00:09:23,200

no water

246

00:09:31,269 --> 00:09:29,030

in our some of our experiments

247

00:09:32,310 --> 00:09:31,279

up to 50 years

248

00:09:33,430 --> 00:09:32,320

um

249

00:09:35,110 --> 00:09:33,440

and be

250

00:09:38,070 --> 00:09:35,120

regenerated

251  
00:09:40,710 --> 00:09:38,080  
um and they've survived every mass

252  
00:09:43,509 --> 00:09:40,720  
extinction they can rewrite their own

253  
00:09:46,630 --> 00:09:43,519  
dna and our their own dna

254  
00:09:50,230 --> 00:09:46,640  
so they would be a perfect

255  
00:09:53,350 --> 00:09:50,240  
cosmic traveler

256  
00:09:54,150 --> 00:09:53,360  
when we look at microbes

257  
00:09:57,590 --> 00:09:54,160  
and

258  
00:09:59,269 --> 00:09:57,600  
the basic cellular life here on earth

259  
00:10:01,030 --> 00:09:59,279  
they terraformed

260  
00:10:03,750 --> 00:10:01,040  
this planet

261  
00:10:05,590 --> 00:10:03,760  
for themselves

262  
00:10:08,389 --> 00:10:05,600  
we have a very

263  
00:10:10,389 --> 00:10:08,399

egocentric view of reality and it colors

264

00:10:11,910 --> 00:10:10,399

a lot of our

265

00:10:13,269 --> 00:10:11,920

relationship

266

00:10:15,590 --> 00:10:13,279

to nature

267

00:10:18,949 --> 00:10:15,600

and our exploration within science and

268

00:10:21,509 --> 00:10:18,959

the quest and the way that we pose and

269

00:10:23,030 --> 00:10:21,519

ask our questions

270

00:10:25,590 --> 00:10:23,040

microbes

271

00:10:27,670 --> 00:10:25,600

made the soil

272

00:10:29,990 --> 00:10:27,680

made the atmosphere

273

00:10:33,190 --> 00:10:30,000

made the oceans and water all the things

274

00:10:34,550 --> 00:10:33,200

that we depend on as humans

275

00:10:36,790 --> 00:10:34,560

to live

276

00:10:39,829 --> 00:10:36,800

but they didn't do it for us

277

00:10:42,389 --> 00:10:39,839

they did it for themselves we're just

278

00:10:44,150 --> 00:10:42,399

we're just able to use

279

00:10:46,470 --> 00:10:44,160

what they design

280

00:10:49,750 --> 00:10:46,480

but it wasn't designed for us

281

00:10:54,310 --> 00:10:51,670

when you think of microbial

282

00:10:56,630 --> 00:10:54,320

proliferation

283

00:10:58,870 --> 00:10:56,640

from the early stages of life on this

284

00:11:02,069 --> 00:10:58,880

planet

285

00:11:03,520 --> 00:11:02,079

there's only so much surface area

286

00:11:04,630 --> 00:11:03,530

so for a long time

287

00:11:05,750 --> 00:11:04,640

[Music]

288

00:11:08,790 --> 00:11:05,760

there were just

289

00:11:11,829 --> 00:11:08,800

basic cellular organisms

290

00:11:12,829 --> 00:11:11,839

and they pretty much covered

291

00:11:14,790 --> 00:11:12,839

all the

292

00:11:15,990 --> 00:11:14,800

area

293

00:11:16,790 --> 00:11:16,000

of the earth

294

00:11:20,150 --> 00:11:16,800

and

295

00:11:22,710 --> 00:11:20,160

the water

296

00:11:25,590 --> 00:11:22,720

it was full

297

00:11:29,190 --> 00:11:25,600

so if you're nature

298

00:11:32,710 --> 00:11:29,200

and you want to get

299

00:11:38,230 --> 00:11:35,430

organisms

300

00:11:39,430 --> 00:11:38,240

and you but you've got a limited space

301  
00:11:41,110 --> 00:11:39,440  
so

302  
00:11:42,870 --> 00:11:41,120  
you've got the

303  
00:11:45,750 --> 00:11:42,880  
the ball on the left represents the

304  
00:11:47,750 --> 00:11:45,760  
earth just a spear

305  
00:11:50,470 --> 00:11:47,760  
and the one on the right represents

306  
00:11:51,590 --> 00:11:50,480  
maximum density with all the dots on it

307  
00:11:54,949 --> 00:11:51,600  
so

308  
00:11:58,470 --> 00:11:54,959  
that's full of microbes bacteria viruses

309  
00:12:00,389 --> 00:11:58,480  
fungi the basic basic start of life on

310  
00:12:01,269 --> 00:12:00,399  
the planet

311  
00:12:03,430 --> 00:12:01,279  
so

312  
00:12:05,590 --> 00:12:03,440  
if you're nature how

313  
00:12:06,509 --> 00:12:05,600

can you fit

314

00:12:08,870 --> 00:12:06,519

more

315

00:12:11,910 --> 00:12:08,880

microorganisms in

316

00:12:14,230 --> 00:12:11,920

you want to get more diversity

317

00:12:16,870 --> 00:12:14,240

you want to expand

318

00:12:19,829 --> 00:12:16,880

but you really can't expand the ball

319

00:12:22,790 --> 00:12:19,839

the planet is the size of the planet

320

00:12:26,629 --> 00:12:24,389

nature starts designing

321

00:12:28,069 --> 00:12:26,639

plants because if you look at the

322

00:12:30,150 --> 00:12:28,079

unfoldment

323

00:12:32,870 --> 00:12:30,160

of our history it was single-celled

324

00:12:34,310 --> 00:12:32,880

organisms and plants and insects and

325

00:12:36,310 --> 00:12:34,320

animals

326

00:12:40,389 --> 00:12:36,320

but if you follow

327

00:12:44,710 --> 00:12:43,110

we we as humans do the same thing you

328

00:12:46,870 --> 00:12:44,720

have a space of land like these

329

00:12:48,150 --> 00:12:46,880

buildings on the right it was a single

330

00:12:50,550 --> 00:12:48,160

home dwelling

331

00:12:53,350 --> 00:12:50,560

half four people can fit

332

00:12:54,870 --> 00:12:53,360

but if you build up from that spot now

333

00:12:56,790 --> 00:12:54,880

you can fit

334

00:12:57,829 --> 00:12:56,800

10 families

335

00:12:59,430 --> 00:12:57,839

so

336

00:13:01,190 --> 00:12:59,440

nature did the same thing when it

337

00:13:03,509 --> 00:13:01,200

designed plants

338

00:13:04,829 --> 00:13:03,519

it increased the surface area

339

00:13:08,389 --> 00:13:04,839

it increased the

340

00:13:10,870 --> 00:13:08,399

volume without having to change the

341

00:13:13,350 --> 00:13:10,880

physiology of the planet itself that was

342

00:13:14,870 --> 00:13:13,360

sort of limited

343

00:13:17,829 --> 00:13:14,880

so

344

00:13:20,550 --> 00:13:17,839

plants then took over and became as

345

00:13:22,310 --> 00:13:20,560

prolific as the microbes

346

00:13:24,550 --> 00:13:22,320

covered most of

347

00:13:28,230 --> 00:13:24,560

most of the soil

348

00:13:29,910 --> 00:13:28,240

and most of the areas where you can grow

349

00:13:31,590 --> 00:13:29,920

so then if your nature and you go on how

350

00:13:33,509 --> 00:13:31,600

can i fit

351  
00:13:36,069 --> 00:13:33,519  
more

352  
00:13:39,590 --> 00:13:36,079  
microbes in here how can i fit

353  
00:13:41,189 --> 00:13:39,600  
more of these cellular organisms

354  
00:13:44,629 --> 00:13:41,199  
well

355  
00:13:49,990 --> 00:13:48,310  
passenger transport systems

356  
00:13:51,750 --> 00:13:50,000  
insects were first

357  
00:13:53,110 --> 00:13:51,760  
but they weren't insects like worth

358  
00:13:54,949 --> 00:13:53,120  
thinking of

359  
00:13:56,310 --> 00:13:54,959  
look at the size of the centipede in the

360  
00:13:58,949 --> 00:13:56,320  
left picture

361  
00:14:01,350 --> 00:13:58,959  
that was a centipede

362  
00:14:03,670 --> 00:14:01,360  
back then and look at the size of the

363  
00:14:05,829 --> 00:14:03,680

different compared to a human these were

364

00:14:07,590 --> 00:14:05,839

all insects it's a good thing they died

365

00:14:09,110 --> 00:14:07,600

out because i'd hate to run into one in

366

00:14:11,750 --> 00:14:09,120

my bedroom

367

00:14:15,110 --> 00:14:13,189

these

368

00:14:16,790 --> 00:14:15,120

transport systems

369

00:14:19,590 --> 00:14:16,800

that allowed nature to have more

370

00:14:21,189 --> 00:14:19,600

microbes on the planet

371

00:14:22,629 --> 00:14:21,199

without having

372

00:14:24,949 --> 00:14:22,639

to

373

00:14:27,990 --> 00:14:24,959

add more land

374

00:14:29,030 --> 00:14:28,000

and the density and the density of

375

00:14:30,470 --> 00:14:29,040

plants

376  
00:14:32,949 --> 00:14:30,480  
are maxed out

377  
00:14:35,829 --> 00:14:32,959  
so now you sort of have free-floating

378  
00:14:37,829 --> 00:14:35,839  
balloons or non-attached

379  
00:14:39,430 --> 00:14:37,839  
non-attached uh

380  
00:14:40,470 --> 00:14:39,440  
containers

381  
00:14:44,230 --> 00:14:40,480  
to

382  
00:14:46,310 --> 00:14:44,240  
cold bacteria viruses fungi all the

383  
00:14:48,629 --> 00:14:46,320  
things that have been crafting

384  
00:14:51,030 --> 00:14:48,639  
the planet and terraforming it

385  
00:14:53,269 --> 00:14:51,040  
all throughout history

386  
00:14:54,949 --> 00:14:53,279  
and then nature

387  
00:14:57,110 --> 00:14:54,959  
finds out that

388  
00:14:59,829 --> 00:14:57,120

insects weren't the best

389

00:15:02,470 --> 00:14:59,839

and starts making animals reptiles and

390

00:15:03,670 --> 00:15:02,480

dinosaurs and then eventually animals as

391

00:15:05,910 --> 00:15:03,680

we know them

392

00:15:08,150 --> 00:15:05,920

and if you look at the comparison chart

393

00:15:11,110 --> 00:15:08,160

and think of them as

394

00:15:14,150 --> 00:15:11,120

micro transport systems

395

00:15:16,150 --> 00:15:14,160

it gives nature a variety of ways

396

00:15:17,350 --> 00:15:16,160

to

397

00:15:18,389 --> 00:15:17,360

move

398

00:15:22,389 --> 00:15:18,399

the

399

00:15:22,399 --> 00:15:27,509

of life here

400

00:15:32,870 --> 00:15:30,389

microbes have been here

401  
00:15:36,150 --> 00:15:32,880  
for quite a long time

402  
00:15:39,269 --> 00:15:36,160  
but we didn't become aware of them

403  
00:15:41,350 --> 00:15:39,279  
until 1675

404  
00:15:43,910 --> 00:15:41,360  
when lewin hook

405  
00:15:46,470 --> 00:15:43,920  
first saw

406  
00:15:48,069 --> 00:15:46,480  
bacteria in water

407  
00:15:50,230 --> 00:15:48,079  
and if you look at that microscope

408  
00:15:51,990 --> 00:15:50,240  
that's the very first microscope very

409  
00:15:53,990 --> 00:15:52,000  
simple design

410  
00:15:55,509 --> 00:15:54,000  
nothing like the microscopes we use

411  
00:15:58,389 --> 00:15:55,519  
today

412  
00:16:00,790 --> 00:15:58,399  
but all of our religions all of our

413  
00:16:02,710 --> 00:16:00,800

philosophies all of our thoughts on

414

00:16:04,629 --> 00:16:02,720

reality

415

00:16:07,030 --> 00:16:04,639

have negated there's not one religion

416

00:16:09,910 --> 00:16:07,040

that talks about microbes bacteria and

417

00:16:11,910 --> 00:16:09,920

viruses there's not one philosophy that

418

00:16:13,590 --> 00:16:11,920

incorporates this into it

419

00:16:16,230 --> 00:16:13,600

yet these have been here since the

420

00:16:19,749 --> 00:16:16,240

beginning except we couldn't see them to

421

00:16:21,670 --> 00:16:19,759

incorporate them into our narratives

422

00:16:23,829 --> 00:16:21,680

and when lewin hook first came out with

423

00:16:25,670 --> 00:16:23,839

this and saw this

424

00:16:29,030 --> 00:16:25,680

nobody believed him

425

00:16:31,749 --> 00:16:29,040

um and information did not travel

426

00:16:34,310 --> 00:16:31,759

very fast in the 1600s

427

00:16:35,430 --> 00:16:34,320

people actually had to come to

428

00:16:37,670 --> 00:16:35,440

uh

429

00:16:39,910 --> 00:16:37,680

his hometown

430

00:16:43,269 --> 00:16:39,920

and

431

00:16:46,230 --> 00:16:43,279

go to his shop he made glasses

432

00:16:49,110 --> 00:16:46,240

and looked for themselves

433

00:16:52,310 --> 00:16:49,120

the first things that he saw

434

00:16:54,310 --> 00:16:52,320

he called them animal kills

435

00:16:56,870 --> 00:16:54,320

miniature animals

436

00:16:58,550 --> 00:16:56,880

and this really freaked everybody out

437

00:17:00,870 --> 00:16:58,560

think about it they look in the mouth

438

00:17:04,309 --> 00:17:00,880

there's all these creatures

439

00:17:05,990 --> 00:17:04,319

and in the very beginning of science

440

00:17:07,750 --> 00:17:06,000

they thought that all of this was

441

00:17:10,230 --> 00:17:07,760

negative

442

00:17:12,230 --> 00:17:10,240

we didn't get into the idea of symbiotic

443

00:17:14,710 --> 00:17:12,240

relationships with the microbes into the

444

00:17:18,390 --> 00:17:14,720

1900s

445

00:17:19,510 --> 00:17:18,400

so our first look at the passengers

446

00:17:21,590 --> 00:17:19,520

was that

447

00:17:22,949 --> 00:17:21,600

we thought they didn't belong

448

00:17:25,270 --> 00:17:22,959

when

449

00:17:27,909 --> 00:17:25,280

they made us in a way if you want to

450

00:17:31,190 --> 00:17:29,029

so

451  
00:17:33,110 --> 00:17:31,200  
our first

452  
00:17:35,990 --> 00:17:33,120  
feral microscope started out in the

453  
00:17:38,150 --> 00:17:36,000  
1700s

454  
00:17:40,310 --> 00:17:38,160  
but we still couldn't see everything

455  
00:17:42,789 --> 00:17:40,320  
there was a lot of limits

456  
00:17:46,549 --> 00:17:42,799  
so until the electron microscope came

457  
00:17:48,390 --> 00:17:46,559  
along in the 1930s 1935

458  
00:17:49,909 --> 00:17:48,400  
that was the first time that we saw a

459  
00:17:53,510 --> 00:17:49,919  
virus

460  
00:17:56,789 --> 00:17:53,520  
the 1890s

461  
00:17:59,110 --> 00:17:56,799  
with the tobacco mosaic virus they

462  
00:18:00,310 --> 00:17:59,120  
thought it was there science did but

463  
00:18:02,870 --> 00:18:00,320

they couldn't prove it because they

464

00:18:04,310 --> 00:18:02,880

couldn't see it they couldn't isolate it

465

00:18:07,430 --> 00:18:04,320

so it wasn't until the electron

466

00:18:10,549 --> 00:18:07,440

microscope that we could even verify

467

00:18:12,950 --> 00:18:10,559

there was such a thing as a virus

468

00:18:14,549 --> 00:18:12,960

and that's pretty funny that uh

469

00:18:18,549 --> 00:18:14,559

that's what we're dealing with right now

470

00:18:20,789 --> 00:18:18,559

socially is this concept of a virus

471

00:18:26,830 --> 00:18:20,799

that we've only known about for 60 years

472

00:18:26,840 --> 00:18:31,669

now within nature

473

00:18:35,750 --> 00:18:33,510

systems within systems and system

474

00:18:38,710 --> 00:18:35,760

integration

475

00:18:39,909 --> 00:18:38,720

there are plenty of instances

476  
00:18:41,350 --> 00:18:39,919  
where

477  
00:18:43,990 --> 00:18:41,360  
microbes

478  
00:18:46,230 --> 00:18:44,000  
and or pathogens can come in

479  
00:18:47,669 --> 00:18:46,240  
and overtake the consciousness the

480  
00:18:48,950 --> 00:18:47,679  
behavior

481  
00:18:51,750 --> 00:18:48,960  
the

482  
00:18:57,029 --> 00:18:54,470  
thoughts if you want to put it that way

483  
00:18:59,590 --> 00:18:57,039  
of the host organism

484  
00:19:02,310 --> 00:18:59,600  
even to the detriment and death

485  
00:19:03,750 --> 00:19:02,320  
of that organism so that it benefits

486  
00:19:05,510 --> 00:19:03,760  
themselves

487  
00:19:08,710 --> 00:19:05,520  
the picture on the left

488  
00:19:13,830 --> 00:19:11,669

carpenter ant here in thailand i live in

489

00:19:16,870 --> 00:19:13,840

bangkok thailand

490

00:19:19,029 --> 00:19:16,880

and it's infected with a fungus

491

00:19:21,590 --> 00:19:19,039

um

492

00:19:22,950 --> 00:19:21,600

the fungus

493

00:19:25,190 --> 00:19:22,960

actually

494

00:19:27,110 --> 00:19:25,200

infects the ant

495

00:19:30,310 --> 00:19:27,120

changes its behavior

496

00:19:32,950 --> 00:19:30,320

makes it go live or makes it come

497

00:19:34,310 --> 00:19:32,960

out of the trees bite on a leaf

498

00:19:36,630 --> 00:19:34,320

hang there

499

00:19:38,710 --> 00:19:36,640

and the fungus sprouts out and it

500

00:19:41,110 --> 00:19:38,720

becomes a fruiting body

501  
00:19:44,789 --> 00:19:41,120  
it completely takes over the behavior

502  
00:19:46,470 --> 00:19:44,799  
that ant almost like a bus driver

503  
00:19:49,750 --> 00:19:46,480  
picture on the right

504  
00:19:53,029 --> 00:19:49,760  
is a praying mantis it gets infected by

505  
00:19:54,710 --> 00:19:53,039  
what's called a whip worm

506  
00:19:55,830 --> 00:19:54,720  
it actually takes over the praying

507  
00:19:59,190 --> 00:19:55,840  
mantis

508  
00:20:01,270 --> 00:19:59,200  
and will make it drown itself

509  
00:20:03,270 --> 00:20:01,280  
so that it can come out

510  
00:20:05,029 --> 00:20:03,280  
in an environment where it wants to come

511  
00:20:07,430 --> 00:20:05,039  
out

512  
00:20:09,270 --> 00:20:07,440  
so these pat these microbes that have

513  
00:20:12,310 --> 00:20:09,280

built our reality

514

00:20:16,230 --> 00:20:12,320

that have terraformed this planet

515

00:20:17,430 --> 00:20:16,240

also get in every organism

516

00:20:19,029 --> 00:20:17,440

and

517

00:20:20,789 --> 00:20:19,039

direct them

518

00:20:21,830 --> 00:20:20,799

or work with them

519

00:20:25,350 --> 00:20:21,840

in a

520

00:20:30,070 --> 00:20:26,310

now

521

00:20:34,870 --> 00:20:32,630

this guy irislau flieger

522

00:20:37,270 --> 00:20:34,880

was profiled in an article

523

00:20:39,110 --> 00:20:37,280

how your cat is making you crazy by

524

00:20:41,909 --> 00:20:39,120

kathleen mccallum

525

00:20:44,470 --> 00:20:41,919

in 1990

526  
00:20:46,390 --> 00:20:44,480  
he thought his thinking was going off he

527  
00:20:49,110 --> 00:20:46,400  
works at a university

528  
00:20:51,590 --> 00:20:49,120  
he notices that

529  
00:20:54,630 --> 00:20:51,600  
his behavior is changing

530  
00:20:57,190 --> 00:20:54,640  
um he's becoming self-destructive he's

531  
00:20:59,750 --> 00:20:57,200  
got personality changes

532  
00:21:02,310 --> 00:20:59,760  
so he biopsies his own brain

533  
00:21:06,470 --> 00:21:02,320  
he's a cat lover he finds out he's

534  
00:21:09,270 --> 00:21:06,480  
infected with t gandhi toxoplasma gandhi

535  
00:21:11,510 --> 00:21:09,280  
which is a bacteria that

536  
00:21:13,830 --> 00:21:11,520  
starts out

537  
00:21:15,830 --> 00:21:13,840  
in an animal in a mouse

538  
00:21:18,470 --> 00:21:15,840

it needs to go to another host so it

539

00:21:20,870 --> 00:21:18,480

changes the mouse's behavior so it's not

540

00:21:21,830 --> 00:21:20,880

afraid of cats so it's attracted to

541

00:21:26,149 --> 00:21:21,840

urine

542

00:21:28,310 --> 00:21:26,159

the cats eat the mouse

543

00:21:30,310 --> 00:21:28,320

then

544

00:21:33,830 --> 00:21:30,320

the bacteria needs to get into a human

545

00:21:36,470 --> 00:21:33,840

host to finish its life cycle

546

00:21:38,710 --> 00:21:36,480

so the cats

547

00:21:41,190 --> 00:21:38,720

share it with the human

548

00:21:43,110 --> 00:21:41,200

through their feces

549

00:21:45,350 --> 00:21:43,120

and then it infects a human

550

00:21:47,110 --> 00:21:45,360

and goes to the human's brain

551  
00:21:48,549 --> 00:21:47,120  
the research on this

552  
00:21:49,990 --> 00:21:48,559  
shows that

553  
00:21:51,350 --> 00:21:50,000  
he started doing some very serious

554  
00:21:54,230 --> 00:21:51,360  
research

555  
00:21:55,990 --> 00:21:54,240  
and it's been duplicated and replicated

556  
00:21:58,390 --> 00:21:56,000  
but people that have cats and are

557  
00:22:01,990 --> 00:21:58,400  
infected with t gandia

558  
00:22:03,909 --> 00:22:02,000  
it actually changes the males

559  
00:22:05,990 --> 00:22:03,919  
so that they have

560  
00:22:08,870 --> 00:22:06,000  
uh

561  
00:22:10,630 --> 00:22:08,880  
delayed reaction times

562  
00:22:12,390 --> 00:22:10,640  
they're introverted

563  
00:22:14,149 --> 00:22:12,400

they're suspicious

564

00:22:16,310 --> 00:22:14,159

they break rules

565

00:22:17,909 --> 00:22:16,320

but in females it has the opposite

566

00:22:20,630 --> 00:22:17,919

effect

567

00:22:22,630 --> 00:22:20,640

females become outgoing trusting law

568

00:22:25,270 --> 00:22:22,640

abiding

569

00:22:26,630 --> 00:22:25,280

but he also noticed that when you were

570

00:22:29,909 --> 00:22:26,640

infected

571

00:22:32,470 --> 00:22:29,919

that you had attention you had your

572

00:22:34,870 --> 00:22:32,480

attention levels decreased

573

00:22:35,750 --> 00:22:34,880

and you were more accident-prone

574

00:22:38,149 --> 00:22:35,760

and

575

00:22:40,549 --> 00:22:38,159

people had more accidents in their cars

576

00:22:42,470 --> 00:22:40,559

this research is still going on

577

00:22:45,029 --> 00:22:42,480

but it showed but i put it in here to

578

00:22:47,149 --> 00:22:45,039

show that at every level and every stage

579

00:22:50,549 --> 00:22:47,159

of nature

580

00:22:52,390 --> 00:22:50,559

microorganisms are actually influencing

581

00:22:55,029 --> 00:22:52,400

the host organism

582

00:22:57,110 --> 00:22:55,039

so who's really driving the ship

583

00:22:59,350 --> 00:22:57,120

that's what uh really interests me in

584

00:23:02,789 --> 00:22:59,360

this

585

00:23:06,630 --> 00:23:04,390

what percentage of the cells in your

586

00:23:07,750 --> 00:23:06,640

body are human

587

00:23:08,630 --> 00:23:07,760

okay

588

00:23:09,590 --> 00:23:08,640

10

589

00:23:13,110 --> 00:23:09,600

20

590

00:23:17,350 --> 00:23:15,190

pick a number what do you really think

591

00:23:20,070 --> 00:23:17,360

and i use the book there on the right i

592

00:23:21,909 --> 00:23:20,080

use human wildlife by dr buckman

593

00:23:24,549 --> 00:23:21,919

um just because i bought the book and

594

00:23:27,110 --> 00:23:24,559

that's the reference point i use but he

595

00:23:29,029 --> 00:23:27,120

also talks about relationships

596

00:23:31,909 --> 00:23:29,039

of the microorganisms so that's why i

597

00:23:38,470 --> 00:23:34,830

but the answer is 90

598

00:23:40,870 --> 00:23:38,480

percent of the cells in your body

599

00:23:43,909 --> 00:23:40,880

are not human

600

00:23:45,990 --> 00:23:43,919

so 90 of you and if

601  
00:23:48,230 --> 00:23:46,000  
if you look it up on the web the range

602  
00:23:50,870 --> 00:23:48,240  
is 60 to 90.

603  
00:23:52,549 --> 00:23:50,880  
there's every

604  
00:23:54,149 --> 00:23:52,559  
all the research shows the majority of

605  
00:23:55,669 --> 00:23:54,159  
the cells in the body

606  
00:23:56,789 --> 00:23:55,679  
are not

607  
00:23:58,390 --> 00:23:56,799  
human

608  
00:24:01,510 --> 00:23:58,400  
they are other

609  
00:24:05,350 --> 00:24:03,750  
now the rest of the cells that are left

610  
00:24:07,110 --> 00:24:05,360  
that we think of

611  
00:24:10,470 --> 00:24:07,120  
as human cells

612  
00:24:11,750 --> 00:24:10,480  
stem cells fat cells blood cells skin

613  
00:24:15,750 --> 00:24:11,760

cells

614

00:24:18,310 --> 00:24:15,760

they're also

615

00:24:20,549 --> 00:24:18,320

independent life forms they're not

616

00:24:22,470 --> 00:24:20,559

dependent upon you

617

00:24:23,830 --> 00:24:22,480

you can take blood and donate it to

618

00:24:29,190 --> 00:24:23,840

somebody

619

00:24:30,470 --> 00:24:29,200

an organ or skin tissue to you

620

00:24:33,750 --> 00:24:30,480

you can

621

00:24:35,110 --> 00:24:33,760

grow almost anything in vitro in the lab

622

00:24:37,830 --> 00:24:35,120

this

623

00:24:40,390 --> 00:24:37,840

that's what we do when we do cloning

624

00:24:43,669 --> 00:24:40,400

and when a woman gives birth

625

00:24:47,350 --> 00:24:43,679

she literally expels

626  
00:24:50,549 --> 00:24:47,360  
a trillion cells outside of her body

627  
00:24:52,630 --> 00:24:50,559  
that she was growing

628  
00:24:54,390 --> 00:24:52,640  
and they exist and they exist on their

629  
00:24:56,549 --> 00:24:54,400  
own too

630  
00:24:58,630 --> 00:24:56,559  
so essentially there's 10 trillion cells

631  
00:25:00,549 --> 00:24:58,640  
in the human body

632  
00:25:03,029 --> 00:25:00,559  
and every one of them

633  
00:25:05,029 --> 00:25:03,039  
is an independent life form

634  
00:25:09,029 --> 00:25:05,039  
so in our language

635  
00:25:11,750 --> 00:25:09,039  
and our focus of self as a singularity

636  
00:25:14,310 --> 00:25:11,760  
we really shouldn't ever say i did this

637  
00:25:18,630 --> 00:25:14,320  
or i did that

638  
00:25:22,390 --> 00:25:18,640

we should speak and communicate using we

639

00:25:22,400 --> 00:25:26,710

but that's a lot for our egos to take

640

00:25:29,669 --> 00:25:28,710

when you look at the human genome and

641

00:25:31,350 --> 00:25:29,679

they're

642

00:25:32,870 --> 00:25:31,360

working on

643

00:25:35,669 --> 00:25:32,880

manipulating

644

00:25:40,950 --> 00:25:35,679

uh mrna with covid

645

00:25:45,029 --> 00:25:43,430

the microbiome

646

00:25:48,230 --> 00:25:45,039

when you start looking at and they've

647

00:25:49,430 --> 00:25:48,240

got no idea what the upper end is

648

00:25:51,590 --> 00:25:49,440

when you start looking at all the

649

00:25:54,549 --> 00:25:51,600

microbes in there

650

00:25:55,590 --> 00:25:54,559

now you're at billions of genes

651  
00:25:58,149 --> 00:25:55,600  
um

652  
00:26:00,870 --> 00:25:58,159  
latest research shows

653  
00:26:03,710 --> 00:26:00,880  
there's they and this was

654  
00:26:07,830 --> 00:26:03,720  
february of this year

655  
00:26:08,789 --> 00:26:07,840  
140 000 different viruses live in the

656  
00:26:10,710 --> 00:26:08,799  
mic

657  
00:26:13,110 --> 00:26:10,720  
live in the intestines

658  
00:26:15,510 --> 00:26:13,120  
140 000

659  
00:26:18,310 --> 00:26:15,520  
and this was all new research

660  
00:26:20,390 --> 00:26:18,320  
over half of the viruses they found were

661  
00:26:22,390 --> 00:26:20,400  
all new to science they didn't even know

662  
00:26:24,630 --> 00:26:22,400  
they existed

663  
00:26:26,149 --> 00:26:24,640

so when you look at the human body

664

00:26:27,669 --> 00:26:26,159

you've got

665

00:26:30,789 --> 00:26:27,679

system integration within system

666

00:26:32,390 --> 00:26:30,799

integration within system integration

667

00:26:34,630 --> 00:26:32,400

you've got

668

00:26:37,269 --> 00:26:34,640

microbiomes in the mouth

669

00:26:39,990 --> 00:26:37,279

you've got microbiomes in the skin

670

00:26:41,430 --> 00:26:40,000

microbiomes in the digestion

671

00:26:43,350 --> 00:26:41,440

in your

672

00:26:45,990 --> 00:26:43,360

uh

673

00:26:48,549 --> 00:26:46,000

genital tracts

674

00:26:50,549 --> 00:26:48,559

and they're all shaping and and

675

00:26:53,590 --> 00:26:50,559

working on

676  
00:26:57,750 --> 00:26:53,600  
the system it's not just a human

677  
00:26:59,669 --> 00:26:57,760  
endeavor as how we think of a human

678  
00:27:02,310 --> 00:26:59,679  
and i always when i'm looking at science

679  
00:27:05,029 --> 00:27:02,320  
i always say follow the money

680  
00:27:06,470 --> 00:27:05,039  
so right now the pharmaceutical industry

681  
00:27:08,149 --> 00:27:06,480  
is putting out

682  
00:27:11,029 --> 00:27:08,159  
a line of chemicals or a line of

683  
00:27:12,149 --> 00:27:11,039  
products called psychobiotics

684  
00:27:15,990 --> 00:27:12,159  
where

685  
00:27:20,630 --> 00:27:17,590  
it's just a

686  
00:27:24,630 --> 00:27:22,230  
changes the microbiome in your

687  
00:27:25,669 --> 00:27:24,640  
intestines

688  
00:27:29,190 --> 00:27:25,679

and

689

00:27:31,669 --> 00:27:29,200

it actually changes the way you think

690

00:27:34,950 --> 00:27:31,679

and the way you feel

691

00:27:36,389 --> 00:27:34,960

so if i can shift the microbiome in my

692

00:27:38,789 --> 00:27:36,399

stomach

693

00:27:40,950 --> 00:27:38,799

and it changes my thoughts and my

694

00:27:42,950 --> 00:27:40,960

emotions

695

00:27:45,190 --> 00:27:42,960

how much am i really in control of this

696

00:27:48,310 --> 00:27:45,200

shift

697

00:27:51,190 --> 00:27:48,320

now i'm starting to see why

698

00:27:56,070 --> 00:27:51,200

i can't make myself

699

00:27:56,080 --> 00:28:00,149

to get a better idea of this

700

00:28:05,190 --> 00:28:02,549

i made a timeline

701  
00:28:06,549 --> 00:28:05,200  
of the earth

702  
00:28:08,310 --> 00:28:06,559  
as a metaphor

703  
00:28:10,230 --> 00:28:08,320  
because this is a hard concept because

704  
00:28:12,310 --> 00:28:10,240  
it really goes against our egos and our

705  
00:28:15,510 --> 00:28:12,320  
concept of self

706  
00:28:17,830 --> 00:28:15,520  
so on this calendar

707  
00:28:21,669 --> 00:28:17,840  
the the time of earth is broken up into

708  
00:28:25,830 --> 00:28:21,679  
a year every month is 375 million years

709  
00:28:27,909 --> 00:28:25,840  
one second represents 145 years

710  
00:28:29,190 --> 00:28:27,919  
so if you look at it the red line is the

711  
00:28:33,269 --> 00:28:29,200  
microbes

712  
00:28:35,990 --> 00:28:33,279  
middle of february

713  
00:28:38,389 --> 00:28:36,000

this present moment for this metaphor is

714

00:28:41,830 --> 00:28:38,399

one second before midnight

715

00:28:44,470 --> 00:28:41,840

11 59 and 59 seconds one second before

716

00:28:46,230 --> 00:28:44,480

midnight new year's eve

717

00:28:48,310 --> 00:28:46,240

so

718

00:28:49,430 --> 00:28:48,320

from the middle of february

719

00:28:51,750 --> 00:28:49,440

up until

720

00:28:54,389 --> 00:28:51,760

new year's microbes have been here doing

721

00:28:58,470 --> 00:28:55,830

november

722

00:29:01,269 --> 00:28:58,480

is where we first start seeing

723

00:29:04,549 --> 00:29:01,279

life as we know it

724

00:29:07,830 --> 00:29:04,559

end of october we see plants

725

00:29:09,669 --> 00:29:07,840

uh single cell simple ones

726

00:29:11,909 --> 00:29:09,679

early november

727

00:29:16,149 --> 00:29:11,919

we see animals fish in the middle of

728

00:29:18,950 --> 00:29:16,159

november insects end of november

729

00:29:20,710 --> 00:29:18,960

dinosaurs which everybody knows about on

730

00:29:21,909 --> 00:29:20,720

this calendar dinosaurs were only two

731

00:29:24,870 --> 00:29:21,919

weeks ago

732

00:29:26,389 --> 00:29:24,880

their middle of december

733

00:29:27,750 --> 00:29:26,399

mammals

734

00:29:31,430 --> 00:29:27,760

after that

735

00:29:34,549 --> 00:29:31,440

birds towards the end and even flowers

736

00:29:35,750 --> 00:29:34,559

plants didn't get flowers until

737

00:29:37,990 --> 00:29:35,760

a week ago

738

00:29:40,789 --> 00:29:38,000

on this calendar but what gets really

739

00:29:43,909 --> 00:29:40,799

interesting are the last couple days

740

00:29:46,149 --> 00:29:43,919

december 28th the first date

741

00:29:49,750 --> 00:29:46,159

28 million years ago

742

00:29:51,669 --> 00:29:49,760

december 31st humans split up from the

743

00:29:53,430 --> 00:29:51,679

eighth family at six o'clock in the

744

00:29:55,830 --> 00:29:53,440

morning

745

00:29:59,430 --> 00:29:55,840

anatomical modern man

746

00:30:02,630 --> 00:29:59,440

doesn't appear until 11 30. it's 11 59

747

00:30:04,549 --> 00:30:02,640

right now 29 minutes ago anatomical man

748

00:30:06,310 --> 00:30:04,559

appeared

749

00:30:09,909 --> 00:30:06,320

homo sapiens

750

00:30:13,110 --> 00:30:09,919

didn't win as being the dominant hominid

751  
00:30:15,029 --> 00:30:13,120  
until 11 58 so two minutes ago

752  
00:30:18,470 --> 00:30:15,039  
homo florence's still existed in

753  
00:30:23,830 --> 00:30:20,830  
and then when you look at this whole

754  
00:30:25,430 --> 00:30:23,840  
picture with microbes being here since

755  
00:30:28,310 --> 00:30:25,440  
february

756  
00:30:32,149 --> 00:30:28,320  
we did not become aware of microbes

757  
00:30:37,830 --> 00:30:34,710  
until the 1600s

758  
00:30:39,590 --> 00:30:37,840  
and actually parapsychology only started

759  
00:30:41,590 --> 00:30:39,600  
a second ago

760  
00:30:43,590 --> 00:30:41,600  
so we're sort of young

761  
00:30:45,430 --> 00:30:43,600  
in our really in our

762  
00:30:48,070 --> 00:30:45,440  
real look about

763  
00:30:49,909 --> 00:30:48,080

reality and consciousness and what's

764

00:30:52,149 --> 00:30:49,919

going on and we've been actually

765

00:30:53,590 --> 00:30:52,159

ignoring

766

00:30:55,029 --> 00:30:53,600

the main

767

00:30:56,710 --> 00:30:55,039

factor

768

00:30:59,430 --> 00:30:56,720

that's been here for

769

00:31:00,389 --> 00:30:59,440

11 months out of this year

770

00:31:04,070 --> 00:31:00,399

and

771

00:31:05,750 --> 00:31:04,080

we've only been here for a few minutes

772

00:31:08,710 --> 00:31:05,760

and we've only known about them for a

773

00:31:14,149 --> 00:31:10,870

it really shows you

774

00:31:17,909 --> 00:31:15,830

and it makes me

775

00:31:19,830 --> 00:31:17,919

more curious means there's a lot more to

776  
00:31:20,230 --> 00:31:19,840  
know

777  
00:31:21,909 --> 00:31:20,240  
um

778  
00:31:24,310 --> 00:31:21,919  
[Music]

779  
00:31:26,389 --> 00:31:24,320  
the implications of the influences of

780  
00:31:27,669 --> 00:31:26,399  
the microbes on us everybody knows about

781  
00:31:28,950 --> 00:31:27,679  
rabies

782  
00:31:31,350 --> 00:31:28,960  
okay

783  
00:31:33,830 --> 00:31:31,360  
and you get a rabies from a bite from an

784  
00:31:35,350 --> 00:31:33,840  
animal that's infected

785  
00:31:38,470 --> 00:31:35,360  
but

786  
00:31:41,909 --> 00:31:38,480  
the rabies goes up into our brain

787  
00:31:44,149 --> 00:31:41,919  
and it actually takes over the person

788  
00:31:47,750 --> 00:31:44,159

and the rabies wants to spread so the

789

00:31:49,909 --> 00:31:47,760

reason why the dog bit you

790

00:31:50,630 --> 00:31:49,919

is the same reason it it's gonna make

791

00:31:53,430 --> 00:31:50,640

you

792

00:31:56,630 --> 00:31:53,440

go bite somebody else

793

00:31:58,149 --> 00:31:56,640

the idea of a rabies infected person

794

00:32:00,950 --> 00:31:58,159

they sort of think that's where our

795

00:32:02,870 --> 00:32:00,960

mythos of the zombies came from

796

00:32:04,950 --> 00:32:02,880

because the rabies takes over a person

797

00:32:06,870 --> 00:32:04,960

if it's not treated and makes them

798

00:32:08,310 --> 00:32:06,880

promiscuous where they want to have sex

799

00:32:10,470 --> 00:32:08,320

and spread the

800

00:32:12,389 --> 00:32:10,480

spread the pathogen

801  
00:32:15,110 --> 00:32:12,399  
and they make you bite

802  
00:32:16,789 --> 00:32:15,120  
snap at people people in the last days

803  
00:32:18,710 --> 00:32:16,799  
have to be tied down the table because

804  
00:32:20,549 --> 00:32:18,720  
they'll just fight anybody who comes

805  
00:32:23,190 --> 00:32:20,559  
near them

806  
00:32:25,029 --> 00:32:23,200  
so there's an example of

807  
00:32:27,029 --> 00:32:25,039  
something that we all know of just

808  
00:32:29,190 --> 00:32:27,039  
taking over the system taking over the

809  
00:32:31,269 --> 00:32:29,200  
human mind

810  
00:32:32,389 --> 00:32:31,279  
diets we've all

811  
00:32:33,909 --> 00:32:32,399  
been on

812  
00:32:36,710 --> 00:32:33,919  
on the picture on the right we've all

813  
00:32:39,990 --> 00:32:36,720

been on some kind of diet in our life

814

00:32:43,830 --> 00:32:41,750

when you feed yourself

815

00:32:45,590 --> 00:32:43,840

you're not feeding you you're feeding

816

00:32:49,190 --> 00:32:45,600

the microbes in your intestines the

817

00:32:50,630 --> 00:32:49,200

human body cannot digest any food

818

00:32:53,029 --> 00:32:50,640

so if you're going down the road and

819

00:32:54,789 --> 00:32:53,039

you're having a craving

820

00:32:56,950 --> 00:32:54,799

for a donut

821

00:33:00,149 --> 00:32:56,960

and you're on a diet you start going

822

00:33:02,389 --> 00:33:00,159

psychology wise oh i'm sabotaging my

823

00:33:05,029 --> 00:33:02,399

diet it's a comfort food

824

00:33:07,269 --> 00:33:05,039

um i'm addicted to sugar

825

00:33:08,630 --> 00:33:07,279

never do we think that the bacteria in

826

00:33:11,190 --> 00:33:08,640

our stomach

827

00:33:13,110 --> 00:33:11,200

desire the yeast or the sugar something

828

00:33:17,750 --> 00:33:13,120

that's in the donut

829

00:33:22,830 --> 00:33:20,070

c-sections

830

00:33:27,509 --> 00:33:25,669

that birthing a baby with a c-section

831

00:33:30,149 --> 00:33:27,519

was better for it

832

00:33:33,269 --> 00:33:30,159

because it stopped the baby from being

833

00:33:35,669 --> 00:33:33,279

exposed to microbes

834

00:33:36,470 --> 00:33:35,679

coming out through the vaginal canal

835

00:33:38,070 --> 00:33:36,480

well

836

00:33:40,870 --> 00:33:38,080

now they're finding that that's not such

837

00:33:41,750 --> 00:33:40,880

a great idea because children that are

838

00:33:43,669 --> 00:33:41,760

have

839

00:33:45,590 --> 00:33:43,679

come from c-sections

840

00:33:49,669 --> 00:33:45,600

greater chance

841

00:33:52,789 --> 00:33:49,679

by a lot of having asthma and obesity

842

00:33:54,710 --> 00:33:52,799

and if their microbiome is not balanced

843

00:33:56,070 --> 00:33:54,720

inside their intestines within the first

844

00:33:57,990 --> 00:33:56,080

month

845

00:34:00,230 --> 00:33:58,000

um within the first year they have a

846

00:34:02,389 --> 00:34:00,240

higher fear response

847

00:34:03,990 --> 00:34:02,399

latest research came out this month

848

00:34:06,549 --> 00:34:04,000

shows with boys

849

00:34:09,109 --> 00:34:06,559

that there's a certain kind of bacteria

850

00:34:13,109 --> 00:34:09,119

bacteria bacteroiditis

851  
00:34:14,230 --> 00:34:13,119  
that if it's in there in a heavy amount

852  
00:34:17,750 --> 00:34:14,240  
that

853  
00:34:20,550 --> 00:34:17,760  
male child will have enhanced cognition

854  
00:34:22,550 --> 00:34:20,560  
and greater speech development so now

855  
00:34:23,510 --> 00:34:22,560  
they're thinking about doing microbial

856  
00:34:28,069 --> 00:34:23,520  
seeding

857  
00:34:30,470 --> 00:34:28,079  
that has vaginal secretions from the mom

858  
00:34:31,589 --> 00:34:30,480  
and wiping it on the baby

859  
00:34:34,950 --> 00:34:31,599  
so

860  
00:34:37,990 --> 00:34:34,960  
even birth is showing us that there's

861  
00:34:39,829 --> 00:34:38,000  
these microbes all have a purpose on

862  
00:34:42,710 --> 00:34:39,839  
what a human is how we function

863  
00:34:45,190 --> 00:34:42,720

cognitively emotionally

864

00:34:47,589 --> 00:34:45,200

um in spain they did research and they

865

00:34:50,069 --> 00:34:47,599

took people with low iqs

866

00:34:53,349 --> 00:34:50,079

and they found that the majority of them

867

00:34:55,190 --> 00:34:53,359

had a chlorovirus atcv1

868

00:34:56,550 --> 00:34:55,200

and they called it el virus de la

869

00:34:58,470 --> 00:34:56,560

stupides

870

00:35:02,470 --> 00:34:58,480

the virus of the stupid

871

00:35:05,190 --> 00:35:04,069

so

872

00:35:07,510 --> 00:35:05,200

i gotta

873

00:35:10,710 --> 00:35:07,520

push this a little here um so when you

874

00:35:13,589 --> 00:35:10,720

look at if you're thinking of micros and

875

00:35:15,990 --> 00:35:13,599

you're thinking of reality and nature

876  
00:35:17,430 --> 00:35:16,000  
being a proliferation and

877  
00:35:19,190 --> 00:35:17,440  
[Music]

878  
00:35:21,430 --> 00:35:19,200  
support of it

879  
00:35:23,829 --> 00:35:21,440  
when you see a rocket

880  
00:35:25,589 --> 00:35:23,839  
go up off the earth as humans we go oh

881  
00:35:27,109 --> 00:35:25,599  
wow that's really cool we're going out

882  
00:35:28,470 --> 00:35:27,119  
to space

883  
00:35:29,589 --> 00:35:28,480  
but in the middle picture if you're

884  
00:35:31,270 --> 00:35:29,599  
nature

885  
00:35:33,430 --> 00:35:31,280  
and you see what's going on all those

886  
00:35:34,950 --> 00:35:33,440  
little white dots represent satellites

887  
00:35:36,870 --> 00:35:34,960  
and things that we've launched from the

888  
00:35:38,470 --> 00:35:36,880

earth

889

00:35:39,670 --> 00:35:38,480

and you look at the picture on the far

890

00:35:42,230 --> 00:35:39,680

right

891

00:35:45,190 --> 00:35:42,240

and that's a mushroom putting spores out

892

00:35:46,390 --> 00:35:45,200

into the environment to increase itself

893

00:35:48,470 --> 00:35:46,400

so

894

00:35:50,390 --> 00:35:48,480

are we sending spores out

895

00:35:51,750 --> 00:35:50,400

into nature

896

00:35:52,550 --> 00:35:51,760

yes

897

00:35:54,710 --> 00:35:52,560

but

898

00:35:56,310 --> 00:35:54,720

are we doing it

899

00:35:58,790 --> 00:35:56,320

or is something else

900

00:36:00,310 --> 00:35:58,800

assisting us in it

901  
00:36:02,630 --> 00:36:00,320  
now i'll wrap it up and tie it into

902  
00:36:03,910 --> 00:36:02,640  
parapsychology

903  
00:36:07,510 --> 00:36:03,920  
so

904  
00:36:10,710 --> 00:36:07,520  
most of you know what parapsychology is

905  
00:36:12,950 --> 00:36:10,720  
but just to make sure i just used oxford

906  
00:36:15,829 --> 00:36:12,960  
the study of mental phenomenon which are

907  
00:36:18,230 --> 00:36:15,839  
excluded or inexplicable by orthodox

908  
00:36:20,950 --> 00:36:18,240  
scientific psychology

909  
00:36:22,550 --> 00:36:20,960  
i've got a master's in transpersonal

910  
00:36:23,510 --> 00:36:22,560  
psychology

911  
00:36:25,430 --> 00:36:23,520  
so

912  
00:36:28,790 --> 00:36:25,440  
this is my area

913  
00:36:30,790 --> 00:36:28,800

um and what i'm going to talk about here

914

00:36:33,270 --> 00:36:30,800

there's a broad there's a broader

915

00:36:36,150 --> 00:36:33,280

parapsychology is a very broad spectrum

916

00:36:39,589 --> 00:36:36,160

everything from remote viewing esp

917

00:36:41,270 --> 00:36:39,599

to physical effects like psychokinesis

918

00:36:43,190 --> 00:36:41,280

what i'm after in here and what i want

919

00:36:48,230 --> 00:36:43,200

to discuss is the idea of non-local

920

00:36:48,240 --> 00:36:51,030

um

921

00:36:55,030 --> 00:36:53,190

everybody knows jb ryan if you're a

922

00:36:58,150 --> 00:36:55,040

parapsychologist he's the father of

923

00:37:05,230 --> 00:37:01,670

there he is doing zenner cards which are

924

00:37:10,069 --> 00:37:07,109

parapsychologists for

925

00:37:12,550 --> 00:37:10,079

research and study

926  
00:37:13,910 --> 00:37:12,560  
one of my heroes is in the middle there

927  
00:37:15,750 --> 00:37:13,920  
yuri geller

928  
00:37:17,190 --> 00:37:15,760  
remote viewing

929  
00:37:18,550 --> 00:37:17,200  
that's where you're able to sit in a

930  
00:37:21,030 --> 00:37:18,560  
spot

931  
00:37:23,349 --> 00:37:21,040  
and get information

932  
00:37:26,470 --> 00:37:23,359  
from a target

933  
00:37:28,950 --> 00:37:26,480  
geographically nowhere near you

934  
00:37:31,030 --> 00:37:28,960  
and then the standard idea of telepathy

935  
00:37:32,790 --> 00:37:31,040  
transference of ideas or the reading of

936  
00:37:35,230 --> 00:37:32,800  
people's minds

937  
00:37:39,430 --> 00:37:35,240  
these are all cognitive

938  
00:37:43,670 --> 00:37:41,589

one of my favorites

939

00:37:45,829 --> 00:37:43,680

is rupert sheldrake

940

00:37:47,109 --> 00:37:45,839

i use this when i teach

941

00:37:49,109 --> 00:37:47,119

dogs that know when their owners are

942

00:37:51,270 --> 00:37:49,119

coming home if you guys have anybody

943

00:37:53,430 --> 00:37:51,280

hasn't studied this it's actually

944

00:37:57,589 --> 00:37:53,440

worth checking out

945

00:37:59,349 --> 00:37:58,390

will

946

00:38:02,710 --> 00:37:59,359

their

947

00:38:04,310 --> 00:38:02,720

get ready for them

948

00:38:05,829 --> 00:38:04,320

when they come home they know when

949

00:38:07,990 --> 00:38:05,839

they're coming home even

950

00:38:09,750 --> 00:38:08,000

even if it's completely unscheduled and

951  
00:38:12,790 --> 00:38:09,760  
randomized which is what they did in the

952  
00:38:19,270 --> 00:38:15,270  
so when we're thinking about this

953  
00:38:22,870 --> 00:38:21,270  
how can the dogs know

954  
00:38:24,390 --> 00:38:22,880  
how can you know what's in somebody's

955  
00:38:26,790 --> 00:38:24,400  
mind

956  
00:38:29,030 --> 00:38:26,800  
we're looking for

957  
00:38:31,190 --> 00:38:29,040  
in parapsychology and transversal

958  
00:38:33,990 --> 00:38:31,200  
psychology we're looking for mechanisms

959  
00:38:35,510 --> 00:38:34,000  
of this communication

960  
00:38:38,310 --> 00:38:35,520  
so

961  
00:38:39,670 --> 00:38:38,320  
just like we just saw

962  
00:38:41,589 --> 00:38:39,680  
microbes

963  
00:38:43,589 --> 00:38:41,599

300 years ago

964

00:38:45,670 --> 00:38:43,599

we're just now realizing that there's a

965

00:38:48,870 --> 00:38:45,680

thing called forum scentsy

966

00:38:51,750 --> 00:38:48,880

which is the communication network

967

00:38:53,510 --> 00:38:51,760

inside the microbial communities

968

00:38:55,270 --> 00:38:53,520

um

969

00:38:56,870 --> 00:38:55,280

fungus

970

00:38:59,349 --> 00:38:56,880

they're finding that

971

00:39:02,069 --> 00:38:59,359

in the soil there's a fungal network

972

00:39:04,630 --> 00:39:02,079

that connects the roots of every plant

973

00:39:06,310 --> 00:39:04,640

and transfers information actually even

974

00:39:08,150 --> 00:39:06,320

transfers nutrients and foods and

975

00:39:10,710 --> 00:39:08,160

chemicals

976  
00:39:16,390 --> 00:39:13,510  
technology this past year

977  
00:39:17,670 --> 00:39:16,400  
let them be able to look into a piece of

978  
00:39:19,270 --> 00:39:17,680  
soil

979  
00:39:21,670 --> 00:39:19,280  
usually when they look into it they

980  
00:39:25,030 --> 00:39:21,680  
disturb it but they were finally able to

981  
00:39:27,589 --> 00:39:25,040  
see that there is a fungal network one

982  
00:39:31,910 --> 00:39:27,599  
cell thick

983  
00:39:33,510 --> 00:39:31,920  
like telephone wires or computer wires

984  
00:39:35,510 --> 00:39:33,520  
going through

985  
00:39:39,910 --> 00:39:35,520  
the whole surface of soil throughout the

986  
00:39:43,190 --> 00:39:39,920  
planet so there's your world wide web

987  
00:39:45,910 --> 00:39:43,200  
already built in you've got a fungal web

988  
00:39:49,030 --> 00:39:45,920

so when we're looking for a mechanism

989

00:39:52,069 --> 00:39:49,040

so how we can have a transference

990

00:39:53,950 --> 00:39:52,079

of non-local information

991

00:39:57,030 --> 00:39:53,960

i think quorum sensing is something that

992

00:39:58,630 --> 00:39:57,040

parapsychology should be looking into

993

00:40:00,470 --> 00:39:58,640

standard science gets into the

994

00:40:01,910 --> 00:40:00,480

biochemical and this is what i'm showing

995

00:40:03,990 --> 00:40:01,920

in this picture here

996

00:40:05,829 --> 00:40:04,000

usually when they look at quorum sensing

997

00:40:08,309 --> 00:40:05,839

they're looking at the physical

998

00:40:10,470 --> 00:40:08,319

biochemical reactions of bacteria and

999

00:40:13,270 --> 00:40:10,480

fungus

1000

00:40:16,150 --> 00:40:13,280

but standard science

1001  
00:40:19,430 --> 00:40:16,160  
cannot account for consciousness

1002  
00:40:22,309 --> 00:40:19,440  
if we follow the big bang theory

1003  
00:40:25,589 --> 00:40:22,319  
consciousness is the result of random

1004  
00:40:29,109 --> 00:40:25,599  
combination of molecules just like

1005  
00:40:35,670 --> 00:40:32,950  
i sort of lean towards biocentrism

1006  
00:40:38,630 --> 00:40:35,680  
so instead of consciousness

1007  
00:40:40,870 --> 00:40:38,640  
being an accidental byproduct

1008  
00:40:42,870 --> 00:40:40,880  
of physical and chemical interactions

1009  
00:40:45,910 --> 00:40:42,880  
within the universe

1010  
00:40:48,870 --> 00:40:45,920  
that consciousness was here first

1011  
00:40:50,950 --> 00:40:48,880  
and created the universe the big bang

1012  
00:40:53,030 --> 00:40:50,960  
as a place to play out

1013  
00:40:54,870 --> 00:40:53,040

creativity

1014

00:40:56,630 --> 00:40:54,880

but that would be on an energetic

1015

00:40:57,510 --> 00:40:56,640

spectrum that would be different than

1016

00:40:59,510 --> 00:40:57,520

what

1017

00:41:00,309 --> 00:40:59,520

standard reductionist science is looking

1018

00:41:07,109 --> 00:41:00,319

at

1019

00:41:08,790 --> 00:41:07,119

for consciousness and because

1020

00:41:11,190 --> 00:41:08,800

parapsychology

1021

00:41:13,430 --> 00:41:11,200

and a lot of transpersonal psychology

1022

00:41:16,710 --> 00:41:13,440

they're trying to prove

1023

00:41:17,990 --> 00:41:16,720

valid experiences

1024

00:41:20,550 --> 00:41:18,000

in a system

1025

00:41:21,990 --> 00:41:20,560

that discounts the whole concept

1026  
00:41:24,950 --> 00:41:22,000  
completely

1027  
00:41:26,950 --> 00:41:24,960  
um that

1028  
00:41:28,870 --> 00:41:26,960  
consciousness

1029  
00:41:30,309 --> 00:41:28,880  
is not an energetic property

1030  
00:41:33,349 --> 00:41:30,319  
consciousness is just a physical

1031  
00:41:36,150 --> 00:41:33,359  
property that's what science thinks

1032  
00:41:39,829 --> 00:41:36,160  
and does not extend modern science does

1033  
00:41:42,950 --> 00:41:39,839  
not extend the nature of consciousness

1034  
00:41:44,150 --> 00:41:42,960  
to animals nature insects plants or

1035  
00:41:47,430 --> 00:41:44,160  
microbes

1036  
00:41:49,030 --> 00:41:47,440  
but yet the evidence is there

1037  
00:41:54,870 --> 00:41:49,040  
slime mold

1038  
00:41:57,109 --> 00:41:54,880

cells that sort of join together

1039

00:41:59,430 --> 00:41:57,119

can solve a maze

1040

00:42:03,270 --> 00:41:59,440

the picture on the left they use slime

1041

00:42:05,190 --> 00:42:03,280

mold to design japan's subway system

1042

00:42:07,829 --> 00:42:05,200

picture on the right

1043

00:42:11,829 --> 00:42:07,839

slime mold is being used to

1044

00:42:15,030 --> 00:42:11,839

just to create logistic routes

1045

00:42:16,710 --> 00:42:15,040

because slime mold will take will take

1046

00:42:18,069 --> 00:42:16,720

the shortest route most direct route

1047

00:42:20,470 --> 00:42:18,079

possible

1048

00:42:23,270 --> 00:42:20,480

between food sources

1049

00:42:27,430 --> 00:42:25,750

the implications

1050

00:42:29,589 --> 00:42:27,440

so what i want this whole thing was

1051  
00:42:32,390 --> 00:42:29,599  
leading up to showing that there's a

1052  
00:42:33,990 --> 00:42:32,400  
natural communication network

1053  
00:42:37,510 --> 00:42:34,000  
already established to account for

1054  
00:42:39,589 --> 00:42:37,520  
non-local information transference

1055  
00:42:42,630 --> 00:42:39,599  
there's no denying

1056  
00:42:45,910 --> 00:42:42,640  
that with cellular cosmology

1057  
00:42:50,710 --> 00:42:45,920  
that the microbes parasite the

1058  
00:42:55,670 --> 00:42:52,630  
is what we are

1059  
00:42:56,470 --> 00:42:55,680  
and that they're communicating

1060  
00:42:57,270 --> 00:42:56,480  
so

1061  
00:42:59,750 --> 00:42:57,280  
how

1062  
00:43:00,870 --> 00:42:59,760  
we haven't even really started trying to

1063  
00:43:03,030 --> 00:43:00,880

listen

1064

00:43:04,230 --> 00:43:03,040

to what's going on

1065

00:43:05,750 --> 00:43:04,240

um

1066

00:43:08,309 --> 00:43:05,760

one of the ways that i think that this

1067

00:43:10,550 --> 00:43:08,319

could be study

1068

00:43:13,270 --> 00:43:10,560

will be doing fecal transplants or

1069

00:43:15,829 --> 00:43:13,280

refluorization

1070

00:43:19,510 --> 00:43:15,839

um they use this right now

1071

00:43:20,470 --> 00:43:19,520

for atd and adhd kids to try to help

1072

00:43:23,430 --> 00:43:20,480

them

1073

00:43:24,550 --> 00:43:23,440

um they do experiments with mice and

1074

00:43:26,790 --> 00:43:24,560

they'll take

1075

00:43:28,550 --> 00:43:26,800

the fecal matter from

1076

00:43:30,630 --> 00:43:28,560

a fat mouse

1077

00:43:34,550 --> 00:43:30,640

or from a skinny mouse and put it in fat

1078

00:43:36,870 --> 00:43:34,560

mouse and the fat mouse will lose weight

1079

00:43:39,190 --> 00:43:36,880

so what if we did some

1080

00:43:41,510 --> 00:43:39,200

reflurization

1081

00:43:44,069 --> 00:43:41,520

with people that were good meditators

1082

00:43:46,150 --> 00:43:44,079

people are trying to create intuitive

1083

00:43:48,550 --> 00:43:46,160

connections between people

1084

00:43:49,910 --> 00:43:48,560

i think that would be a

1085

00:43:51,190 --> 00:43:49,920

good step

1086

00:43:53,190 --> 00:43:51,200

to

1087

00:43:54,870 --> 00:43:53,200

testing this out

1088

00:43:56,390 --> 00:43:54,880

um

1089

00:43:58,470 --> 00:43:56,400

and then

1090

00:44:00,390 --> 00:43:58,480

personally for me

1091

00:44:04,790 --> 00:44:00,400

uh psychedelics

1092

00:44:08,950 --> 00:44:07,270

if you haven't done it

1093

00:44:10,630 --> 00:44:08,960

you might not you might think i'm a

1094

00:44:12,790 --> 00:44:10,640

little strange with this but if you have

1095

00:44:15,430 --> 00:44:12,800

done it

1096

00:44:17,270 --> 00:44:15,440

you can access and

1097

00:44:19,670 --> 00:44:17,280

connect with another form of

1098

00:44:21,430 --> 00:44:19,680

consciousness i've had

1099

00:44:25,270 --> 00:44:21,440

mushroom journeys where they show me

1100

00:44:27,510 --> 00:44:25,280

that they're connected to everything and

1101

00:44:29,349 --> 00:44:27,520

i have been able to pick up non-local

1102

00:44:31,670 --> 00:44:29,359

information

1103

00:44:35,190 --> 00:44:31,680

through these exchanges and experiences

1104

00:44:43,109 --> 00:44:38,790

and as i wrap this up here

1105

00:44:50,710 --> 00:44:47,510

our scientific re view of reality

1106

00:44:52,550 --> 00:44:50,720

is the basis of our civilization and we

1107

00:44:54,470 --> 00:44:52,560

base all of our science on the act of

1108

00:44:57,270 --> 00:44:54,480

observing

1109

00:44:57,280 --> 00:45:01,270

an intellectual

1110

00:45:05,510 --> 00:45:02,870

concept

1111

00:45:07,270 --> 00:45:05,520

and nowhere tonight did i mention

1112

00:45:08,390 --> 00:45:07,280

emotions

1113

00:45:09,510 --> 00:45:08,400

um

1114

00:45:11,109 --> 00:45:09,520

but yet

1115

00:45:12,470 --> 00:45:11,119

everything that we do within

1116

00:45:14,950 --> 00:45:12,480

consciousness

1117

00:45:16,870 --> 00:45:14,960

and science and research

1118

00:45:18,790 --> 00:45:16,880

all observations have an emotional

1119

00:45:20,950 --> 00:45:18,800

component to them

1120

00:45:22,390 --> 00:45:20,960

that

1121

00:45:25,910 --> 00:45:22,400

either our relationship to the

1122

00:45:30,150 --> 00:45:25,920

experience or relationship to the idea

1123

00:45:33,190 --> 00:45:31,430

next time

1124

00:45:34,630 --> 00:45:33,200

uh hopefully i'll try to be able to add

1125

00:45:37,589 --> 00:45:34,640

that in

1126

00:45:39,109 --> 00:45:37,599

but i always look at experiences as

1127

00:45:40,390 --> 00:45:39,119

thought and feeling

1128

00:45:42,390 --> 00:45:40,400

but i didn't have room to put the

1129

00:45:45,349 --> 00:45:42,400

feeling in so i just want to make you

1130

00:45:51,510 --> 00:45:48,550

and here's my contact information

1131

00:45:53,430 --> 00:45:51,520

if anybody wants to contact me

1132

00:45:55,510 --> 00:45:53,440

and that phone numbers for bangkok

1133

00:45:57,349 --> 00:45:55,520

thailand

1134

00:45:59,750 --> 00:45:57,359

so if anyone has questions you'd like to

1135

00:46:01,430 --> 00:45:59,760

put in the chat then i will relate them

1136

00:46:04,790 --> 00:46:01,440

to darius now we still have a few

1137

00:46:06,710 --> 00:46:04,800

minutes before um we're going on break

1138

00:46:12,829 --> 00:46:06,720

i'm just checking very quickly yes we

1139

00:46:20,150 --> 00:46:16,710

so are we essentially meat puppets being

1140

00:46:24,069 --> 00:46:22,390

yeah i mean

1141

00:46:25,829 --> 00:46:24,079

it sort of bothered me

1142

00:46:28,790 --> 00:46:25,839

when i first started getting into it but

1143

00:46:29,589 --> 00:46:28,800

the deeper i've gotten into it

1144

00:46:31,430 --> 00:46:29,599

it's

1145

00:46:33,430 --> 00:46:31,440

system integration

1146

00:46:35,430 --> 00:46:33,440

and

1147

00:46:36,630 --> 00:46:35,440

i didn't even get into like masamura

1148

00:46:38,710 --> 00:46:36,640

moto

1149

00:46:40,390 --> 00:46:38,720

water has consciousness

1150

00:46:41,670 --> 00:46:40,400

i mean depends on how far you want to go

1151  
00:46:43,670 --> 00:46:41,680  
with this

1152  
00:46:45,030 --> 00:46:43,680  
but it's systems within systems within

1153  
00:46:47,270 --> 00:46:45,040  
systems

1154  
00:46:50,230 --> 00:46:47,280  
you know and you can't deny

1155  
00:46:52,630 --> 00:46:50,240  
nothing that i put out there tonight

1156  
00:46:54,870 --> 00:46:52,640  
is false you can't deny it you can't

1157  
00:46:56,870 --> 00:46:54,880  
deny it but putting it in a different

1158  
00:47:01,030 --> 00:46:56,880  
perspective is what i'm doing

1159  
00:47:04,630 --> 00:47:02,550  
so there so

1160  
00:47:06,390 --> 00:47:04,640  
part of this is where you started was um

1161  
00:47:08,630 --> 00:47:06,400  
talking about

1162  
00:47:11,510 --> 00:47:08,640  
these microbes or this life coming from

1163  
00:47:13,910 --> 00:47:11,520

other planets and seeding

1164

00:47:15,510 --> 00:47:13,920

the earth the possibility and the

1165

00:47:17,510 --> 00:47:15,520

question is well if you do that doesn't

1166

00:47:19,109 --> 00:47:17,520

it become recursive and where did that

1167

00:47:21,030 --> 00:47:19,119

life come from and where did that come

1168

00:47:22,950 --> 00:47:21,040

from and where did that come from well

1169

00:47:25,430 --> 00:47:22,960

see this is where your hubris is coming

1170

00:47:27,510 --> 00:47:25,440

in there's nothing that says talking

1171

00:47:29,349 --> 00:47:27,520

hairless apes at the cognitive facility

1172

00:47:32,230 --> 00:47:29,359

to figure this out

1173

00:47:34,549 --> 00:47:32,240

okay it answers it answers how life

1174

00:47:36,790 --> 00:47:34,559

started here

1175

00:47:38,870 --> 00:47:36,800

but it doesn't answer

1176

00:47:41,190 --> 00:47:38,880

how life originated and there's nothing

1177

00:47:42,230 --> 00:47:41,200

that says that we're able to comprehend

1178

00:47:44,549 --> 00:47:42,240

that

1179

00:47:45,829 --> 00:47:44,559

you know you're making a few jobs and

1180

00:47:47,829 --> 00:47:45,839

i'm not picking on you and i'm not

1181

00:47:49,829 --> 00:47:47,839

trying to be negative but there's a

1182

00:47:56,069 --> 00:47:49,839

there's a couple jumps there

1183

00:47:59,510 --> 00:47:57,510

so i'm telling you the questions that

1184

00:48:01,430 --> 00:47:59,520

i'm getting here so

1185

00:48:04,230 --> 00:48:01,440

all right i'm not taking offense at any

1186

00:48:06,710 --> 00:48:05,190

so

1187

00:48:09,270 --> 00:48:06,720

here's an interesting question what

1188

00:48:12,309 --> 00:48:09,280

might be the ethical implications of

1189

00:48:15,030 --> 00:48:12,319

altering or seeding certain microbes to

1190

00:48:17,750 --> 00:48:15,040

make designer humans

1191

00:48:21,109 --> 00:48:17,760

is it like you eugenics

1192

00:48:23,990 --> 00:48:21,119

that might harm certain populations

1193

00:48:25,589 --> 00:48:24,000

yeah we'll see and that's where i

1194

00:48:27,030 --> 00:48:25,599

i missed out on talking about the

1195

00:48:28,390 --> 00:48:27,040

emotional part

1196

00:48:30,230 --> 00:48:28,400

so if you're going to start talking

1197

00:48:31,430 --> 00:48:30,240

about judgment values now you've got to

1198

00:48:33,349 --> 00:48:31,440

get into

1199

00:48:35,349 --> 00:48:33,359

the emotional aspect and then what's

1200

00:48:37,670 --> 00:48:35,359

right what's wrong

1201

00:48:39,750 --> 00:48:37,680

judgments like that okay

1202

00:48:43,670 --> 00:48:39,760

but as far as

1203

00:48:45,750 --> 00:48:43,680

that idea of manipulating things

1204

00:48:48,950 --> 00:48:45,760

it's already being done

1205

00:48:51,430 --> 00:48:48,960

viruses are manipulating us all the time

1206

00:48:54,549 --> 00:48:51,440

so if we started doing something as a

1207

00:48:56,549 --> 00:48:54,559

human is it really the human doing it

1208

00:49:00,630 --> 00:48:56,559

or is it the microbes

1209

00:49:03,510 --> 00:49:00,640

using the humans as technology to do it

1210

00:49:05,030 --> 00:49:03,520

i don't know but it's a

1211

00:49:11,430 --> 00:49:05,040

interesting

1212

00:49:11,440 --> 00:49:14,950

so the um

1213

00:49:19,750 --> 00:49:17,030

there have been ufo in commerce and

1214

00:49:21,430 --> 00:49:19,760

they've and there's residual that i'm

1215

00:49:22,630 --> 00:49:21,440

i'm reading this is not i don't know

1216

00:49:24,710 --> 00:49:22,640

this but

1217

00:49:25,829 --> 00:49:24,720

there's been residual radia radiation

1218

00:49:28,390 --> 00:49:25,839

markers

1219

00:49:31,109 --> 00:49:28,400

for example on trees and grass new are

1220

00:49:33,349 --> 00:49:31,119

you aware whether any of those scenarios

1221

00:49:36,230 --> 00:49:33,359

demonstrated microbes that were able to

1222

00:49:37,190 --> 00:49:36,240

be detected or tested at those sites

1223

00:49:39,670 --> 00:49:37,200

well

1224

00:49:41,670 --> 00:49:39,680

i'm ex-military and i do have an

1225

00:49:45,270 --> 00:49:41,680

interest in ufos

1226

00:49:47,510 --> 00:49:45,280

and if you if you can find it i read it

1227

00:49:50,230 --> 00:49:47,520

years ago

1228

00:49:52,230 --> 00:49:50,240

there is actually protocols that if an

1229

00:49:55,030 --> 00:49:52,240

alien ship landed

1230

00:49:56,950 --> 00:49:55,040

it has to be sealed off and quarantined

1231

00:49:58,710 --> 00:49:56,960

because of that there's actually

1232

00:50:01,430 --> 00:49:58,720

research about

1233

00:50:03,270 --> 00:50:01,440

if we go to mars and we bring bacteria

1234

00:50:05,430 --> 00:50:03,280

and viruses and things with us what's it

1235

00:50:07,430 --> 00:50:05,440

going to do to mars because they're

1236

00:50:10,150 --> 00:50:07,440

talking about colonizing it

1237

00:50:13,030 --> 00:50:10,160

in the space station because i follow

1238

00:50:15,750 --> 00:50:13,040

this in microbe news daily in the space

1239

00:50:18,390 --> 00:50:15,760

station they're finding globs of

1240

00:50:20,870 --> 00:50:18,400

bacteria behind the panels that have

1241

00:50:24,710 --> 00:50:20,880

been floating there and mutating

1242

00:50:26,549 --> 00:50:24,720

in space so whoever asked that question

1243

00:50:29,670 --> 00:50:26,559

yeah there's

1244

00:50:31,589 --> 00:50:29,680

all kinds of transference that would be

1245

00:50:34,150 --> 00:50:31,599

system integration there

1246

00:50:36,390 --> 00:50:34,160

you know but the

1247

00:50:38,069 --> 00:50:36,400

but with ufos the governments have

1248

00:50:40,549 --> 00:50:38,079

already thought of that and space

1249

00:50:42,790 --> 00:50:40,559

stations dealing with it they even know

1250

00:50:46,069 --> 00:50:42,800

that astronauts and people that are on

1251  
00:50:48,230 --> 00:50:46,079  
the space station being up in space

1252  
00:50:51,030 --> 00:50:48,240  
actually starts changing the microbiota

1253  
00:50:54,470 --> 00:50:51,040  
in the intestines

1254  
00:50:57,349 --> 00:50:54,480  
so and that's just from being exposed to

1255  
00:50:59,589 --> 00:50:57,359  
cosmic rays and radiation

1256  
00:51:00,870 --> 00:50:59,599  
so is that natural

1257  
00:51:02,870 --> 00:51:00,880  
you know

1258  
00:51:04,950 --> 00:51:02,880  
who knows

1259  
00:51:06,790 --> 00:51:04,960  
good questions

1260  
00:51:08,870 --> 00:51:06,800  
i try to go after things from the i

1261  
00:51:11,829 --> 00:51:08,880  
don't know mindset

1262  
00:51:15,430 --> 00:51:11,839  
it keeps it keeps my inquisitive nature

1263  
00:51:18,069 --> 00:51:16,549

so uh

1264

00:51:19,750 --> 00:51:18,079

there's uh

1265

00:51:22,309 --> 00:51:19,760

people there's really good uh

1266

00:51:23,589 --> 00:51:22,319

information here about uh how this

1267

00:51:26,150 --> 00:51:23,599

explains

1268

00:51:28,710 --> 00:51:26,160

some connections on the planet

1269

00:51:31,430 --> 00:51:28,720

but there are remote viewers who have

1270

00:51:32,950 --> 00:51:31,440

gotten information off planet

1271

00:51:34,309 --> 00:51:32,960

have been able to get information

1272

00:51:36,950 --> 00:51:34,319

transfer that's not part of the

1273

00:51:38,630 --> 00:51:36,960

planetary system do you have any ideas

1274

00:51:39,670 --> 00:51:38,640

about how something like that might

1275

00:51:41,430 --> 00:51:39,680

happen

1276  
00:51:42,870 --> 00:51:41,440  
yeah yeah because right now they're

1277  
00:51:44,309 --> 00:51:42,880  
finding

1278  
00:51:45,190 --> 00:51:44,319  
viruses

1279  
00:51:47,670 --> 00:51:45,200  
and

1280  
00:51:49,670 --> 00:51:47,680  
fungi all the way up to the upper

1281  
00:51:50,390 --> 00:51:49,680  
atmosphere

1282  
00:51:53,030 --> 00:51:50,400  
and

1283  
00:51:54,309 --> 00:51:53,040  
up into space what we would consider

1284  
00:51:55,510 --> 00:51:54,319  
space

1285  
00:51:57,589 --> 00:51:55,520  
the

1286  
00:51:59,670 --> 00:51:57,599  
so

1287  
00:52:01,430 --> 00:51:59,680  
for non-local information and remote

1288  
00:52:04,950 --> 00:52:01,440

viewing i've done

1289

00:52:05,910 --> 00:52:04,960

revo remote viewing protocols

1290

00:52:08,230 --> 00:52:05,920

uh

1291

00:52:11,030 --> 00:52:08,240

with targets and you have just the map

1292

00:52:12,390 --> 00:52:11,040

coordinates and

1293

00:52:14,150 --> 00:52:12,400

done it

1294

00:52:16,309 --> 00:52:14,160

in a controlled way

1295

00:52:18,549 --> 00:52:16,319

um but when you're talking about going

1296

00:52:20,309 --> 00:52:18,559

off planet

1297

00:52:22,150 --> 00:52:20,319

there's fungus everywhere there's

1298

00:52:24,069 --> 00:52:22,160

microbes everywhere they're on the

1299

00:52:25,670 --> 00:52:24,079

meteors they're

1300

00:52:28,470 --> 00:52:25,680

they're finding it in the upper

1301  
00:52:29,990 --> 00:52:28,480  
atmosphere where they thought nothing

1302  
00:52:30,710 --> 00:52:30,000  
should be there

1303  
00:52:32,950 --> 00:52:30,720  
so

1304  
00:52:35,990 --> 00:52:32,960  
that network

1305  
00:52:38,069 --> 00:52:36,000  
yes could be i don't know but

1306  
00:52:40,790 --> 00:52:38,079  
you can't say no just because it's

1307  
00:52:41,829 --> 00:52:40,800  
another planet

1308  
00:52:43,750 --> 00:52:41,839  
well

1309  
00:52:44,870 --> 00:52:43,760  
maybe i'm i was misunderstanding some of

1310  
00:52:46,470 --> 00:52:44,880  
what you were saying because i

1311  
00:52:48,470 --> 00:52:46,480  
understood you talked about the network

1312  
00:52:51,030 --> 00:52:48,480  
on the planet and how things are

1313  
00:52:53,349 --> 00:52:51,040

literally connected through this large

1314

00:52:55,030 --> 00:52:53,359

web around the planet and the

1315

00:52:57,990 --> 00:52:55,040

communication can occur through this

1316

00:52:58,950 --> 00:52:58,000

network well it does for many right

1317

00:53:01,270 --> 00:52:58,960

and that

1318

00:53:03,670 --> 00:53:01,280

so are you are you implying that there's

1319

00:53:05,750 --> 00:53:03,680

some sort of connection among microbes

1320

00:53:07,670 --> 00:53:05,760

even when they're separated

1321

00:53:09,030 --> 00:53:07,680

yeah yeah yeah even if there's no

1322

00:53:11,510 --> 00:53:09,040

physical connection

1323

00:53:13,990 --> 00:53:11,520

well no well we even find see science

1324

00:53:17,109 --> 00:53:14,000

looks at that's why i put the slides up

1325

00:53:18,870 --> 00:53:17,119

science looks at the biochemical

1326

00:53:20,950 --> 00:53:18,880

between bacteria

1327

00:53:21,829 --> 00:53:20,960

they don't look for the energetic

1328

00:53:23,910 --> 00:53:21,839

so

1329

00:53:25,109 --> 00:53:23,920

we don't know yet as the bacteria

1330

00:53:27,109 --> 00:53:25,119

putting out

1331

00:53:28,390 --> 00:53:27,119

a radio signal

1332

00:53:29,589 --> 00:53:28,400

okay

1333

00:53:32,150 --> 00:53:29,599

even though

1334

00:53:34,309 --> 00:53:32,160

i can't hear your thoughts john i can

1335

00:53:36,549 --> 00:53:34,319

put an eeg machine

1336

00:53:39,910 --> 00:53:36,559

and i can catch the

1337

00:53:43,030 --> 00:53:39,920

electrical impulses coming out from you

1338

00:53:44,069 --> 00:53:43,040

but i don't hear them um

1339

00:53:46,069 --> 00:53:44,079

so

1340

00:53:48,470 --> 00:53:46,079

why not bacteria communication is

1341

00:53:51,270 --> 00:53:48,480

communication

1342

00:53:54,790 --> 00:53:51,280

it's energetic

1343

00:53:56,230 --> 00:53:54,800

so this so um the the next question is

1344

00:54:01,109 --> 00:53:56,240

really related i think it's kind of the

1345

00:54:02,870 --> 00:54:01,119

same question in different terms but um

1346

00:54:03,990 --> 00:54:02,880

does it is it's restricted to only

1347

00:54:05,670 --> 00:54:04,000

places where

1348

00:54:08,309 --> 00:54:05,680

microbes might be

1349

00:54:09,750 --> 00:54:08,319

like would you consider that psy or

1350

00:54:12,069 --> 00:54:09,760

parapsychological these types of

1351

00:54:15,990 --> 00:54:12,079

phenomena would only occur where there's

1352

00:54:17,670 --> 00:54:16,000

microbes if there's no microbes

1353

00:54:20,069 --> 00:54:17,680

well happen

1354

00:54:21,270 --> 00:54:20,079

see like parapsychology is such a big

1355

00:54:24,549 --> 00:54:21,280

topic

1356

00:54:27,109 --> 00:54:24,559

so this might only account for

1357

00:54:28,549 --> 00:54:27,119

some of the non-local

1358

00:54:31,270 --> 00:54:28,559

information

1359

00:54:34,230 --> 00:54:31,280

but we're just i mean parapsychology

1360

00:54:36,789 --> 00:54:34,240

just started in 1850

1361

00:54:38,309 --> 00:54:36,799

even the idea of investigating

1362

00:54:41,750 --> 00:54:38,319

parapsychology

1363

00:54:45,430 --> 00:54:41,760

is in its infancy you know let's get

1364

00:54:49,430 --> 00:54:47,510

oh sure i mean this and this is what why

1365

00:54:51,990 --> 00:54:49,440

we meet like this to try to bring in the

1366

00:54:54,230 --> 00:54:52,000

latest ideas the latest discoveries and

1367

00:54:56,390 --> 00:54:54,240

figure out how to make them move forward

1368

00:55:00,390 --> 00:54:56,400

yeah but definitely i think i i lay out

1369

00:55:05,670 --> 00:55:03,109

we need to rethink what being a human is

1370

00:55:06,710 --> 00:55:05,680

so if we can rethink what being a human

1371

00:55:08,789 --> 00:55:06,720

is

1372

00:55:10,870 --> 00:55:08,799

then we can rethink about what human

1373

00:55:12,549 --> 00:55:10,880

capabilities are

1374

00:55:15,750 --> 00:55:12,559

and that would include

1375

00:55:20,390 --> 00:55:15,760

the microbial form sensing and that kind

1376

00:55:23,190 --> 00:55:21,589

well it's really interesting it's

1377

00:55:25,030 --> 00:55:23,200

definitely a different perspective than

1378

00:55:27,510 --> 00:55:25,040

what's been presented at many

1379

00:55:29,910 --> 00:55:27,520

many parts of the conference so far uh

1380

00:55:32,309 --> 00:55:29,920

it's nice to see uh that you're trying

1381

00:55:35,349 --> 00:55:32,319

to create a complete overriding

1382

00:55:36,870 --> 00:55:35,359

idea of how this stuff might work

1383

00:55:39,030 --> 00:55:36,880

our next step i guess is trying to

1384

00:55:40,230 --> 00:55:39,040

figure out how to test it right

1385

00:55:42,630 --> 00:55:40,240

yeah well that's what i was saying

1386

00:55:45,270 --> 00:55:42,640

because now that they're doing fecal

1387

00:55:46,710 --> 00:55:45,280

i've been working on this for 20 years

1388

00:55:48,710 --> 00:55:46,720

but now that they're starting to do

1389

00:55:50,470 --> 00:55:48,720

fecal transplants i think that would be

1390

00:55:52,630 --> 00:55:50,480

an avenue

1391

00:55:54,710 --> 00:55:52,640

where it could be that might be

1392

00:55:55,829 --> 00:55:54,720

something that a research institute

1393

00:55:57,670 --> 00:55:55,839

could do

1394

00:55:59,510 --> 00:55:57,680

you know

1395

00:56:00,950 --> 00:55:59,520

well thank you very much as i said there

1396

00:56:03,990 --> 00:56:00,960

are a lot of different questions came in

1397

00:56:05,990 --> 00:56:04,000

on it and obviously you spurred up