



**THOMAS
CAMPBELL**

**THE
OUT OF BODY
EXPERIENCE**

1
00:00:03,110 --> 00:00:02,550
thomas campbell is the author of my big

2
00:00:06,309 --> 00:00:03,120
toe

3
00:00:08,310 --> 00:00:06,319
that is my big theory of everything and

4
00:00:10,230 --> 00:00:08,320
is a former nuclear physicist

5
00:00:11,669 --> 00:00:10,240
he's also one of the most requested

6
00:00:13,509 --> 00:00:11,679
guests of this channel

7
00:00:16,070 --> 00:00:13,519
recalling that this channel is dedicated

8
00:00:18,230 --> 00:00:16,080
to explicating on theories of everything

9
00:00:19,910 --> 00:00:18,240
keep in mind that he calls it a big toe

10
00:00:21,990 --> 00:00:19,920
as opposed to a small toe because he

11
00:00:23,189 --> 00:00:22,000
makes the delineation that a big toe is

12
00:00:24,870 --> 00:00:23,199
supposed to be responsible for the

13
00:00:26,630 --> 00:00:24,880

fundamental laws of physics

14

00:00:28,390 --> 00:00:26,640

an explanation as to what consciousness

15

00:00:30,070 --> 00:00:28,400

is or how consciousness arises

16

00:00:31,830 --> 00:00:30,080

how should we interact with one another

17

00:00:33,270 --> 00:00:31,840

why are we here what is god is there a

18

00:00:35,110 --> 00:00:33,280

god etc

19

00:00:36,870 --> 00:00:35,120

as opposed to a small toe which he

20

00:00:38,229 --> 00:00:36,880

describes as being strictly about the

21

00:00:39,510 --> 00:00:38,239

fundamental laws of physics in

22

00:00:41,350 --> 00:00:39,520

mathematical form

23

00:00:42,709 --> 00:00:41,360

like the donald hoffman interview this

24

00:00:44,470 --> 00:00:42,719

is likely the most

25

00:00:45,990 --> 00:00:44,480

technical interview that you'll see with

26
00:00:47,910 --> 00:00:46,000
thomas campbell and that's because i

27
00:00:49,590 --> 00:00:47,920
think only asking simple questions that

28
00:00:51,270 --> 00:00:49,600
let's say a layman can understand you

29
00:00:53,110 --> 00:00:51,280
necessarily give the wrong impression

30
00:00:54,150 --> 00:00:53,120
because you distort the truth in the

31
00:00:55,910 --> 00:00:54,160
simplification

32
00:00:57,350 --> 00:00:55,920
if you'll allow me a two-minute aside

33
00:00:59,029 --> 00:00:57,360
i'll explain or you can just click the

34
00:00:59,510 --> 00:00:59,039
timestamp and skip ahead straight to the

35
00:01:01,349 --> 00:00:59,520
interview

36
00:01:03,189 --> 00:01:01,359
i have a mini rant about being taught

37
00:01:05,109 --> 00:01:03,199
that the wave function is a function

38
00:01:07,670 --> 00:01:05,119

when it's not and i'm not talking about

39

00:01:09,590 --> 00:01:07,680

qft or even quantum gravity i'm talking

40

00:01:11,429 --> 00:01:09,600

about simple quantum mechanics you're

41

00:01:13,429 --> 00:01:11,439

taught it's a function but it's not the

42

00:01:14,789 --> 00:01:13,439

wave function is technically a smooth

43

00:01:15,510 --> 00:01:14,799

section which is completely different

44

00:01:16,789 --> 00:01:15,520

than a function

45

00:01:18,870 --> 00:01:16,799

you'll get into trouble if you think of

46

00:01:20,230 --> 00:01:18,880

it as a function a smooth section on a

47

00:01:22,390 --> 00:01:20,240

complex line bundle

48

00:01:24,070 --> 00:01:22,400

with a base manifold and that's not

49

00:01:25,830 --> 00:01:24,080

incorporating relativity has nothing to

50

00:01:27,510 --> 00:01:25,840

do with relativity and you need this in

51
00:01:29,270 --> 00:01:27,520
order to do quantum mechanics on simple

52
00:01:31,350 --> 00:01:29,280
curved surfaces like a sphere

53
00:01:32,950 --> 00:01:31,360
another example where the simplification

54
00:01:34,789 --> 00:01:32,960
or the imprecise idea

55
00:01:36,630 --> 00:01:34,799
being conveyed is simply wrong is that

56
00:01:37,109 --> 00:01:36,640
the wave function is a square integrable

57
00:01:39,350 --> 00:01:37,119
member

58
00:01:40,149 --> 00:01:39,360
of a hilbert space it's not and you know

59
00:01:41,990 --> 00:01:40,159
this because

60
00:01:44,310 --> 00:01:42,000
if you just use the momentum operator on

61
00:01:45,429 --> 00:01:44,320
a box function well it's not defined

62
00:01:46,950 --> 00:01:45,439
right at the edges even though it's

63
00:01:47,429 --> 00:01:46,960

square integrable and that's a simple

64

00:01:49,109 --> 00:01:47,439

function

65

00:01:51,190 --> 00:01:49,119

these are examples where i was told the

66

00:01:53,190 --> 00:01:51,200

simplified truth or the imprecise truth

67

00:01:54,230 --> 00:01:53,200

but it fails in elementary cases and it

68

00:01:56,389 --> 00:01:54,240

leads to unnecessary

69

00:01:58,630 --> 00:01:56,399

headaches therefore i keep the level of

70

00:01:59,670 --> 00:01:58,640

precision in these podcasts as high as i

71

00:02:01,910 --> 00:01:59,680

possibly can

72

00:02:02,950 --> 00:02:01,920

because you're extremely bright and

73

00:02:04,469 --> 00:02:02,960

motivated

74

00:02:05,830 --> 00:02:04,479

no one is telling you to watch this

75

00:02:07,270 --> 00:02:05,840

you're watching this of your own

76

00:02:10,229 --> 00:02:07,280

volition your open

77

00:02:11,350 --> 00:02:10,239

your astute streamlining and simplifying

78

00:02:13,030 --> 00:02:11,360

is done on many

79

00:02:15,110 --> 00:02:13,040

channels there's nothing wrong with that

80

00:02:16,309 --> 00:02:15,120

you can go to lex friedman or joe rogan

81

00:02:18,390 --> 00:02:16,319

for that if you like

82

00:02:19,350 --> 00:02:18,400

it's just that it's a saturated market

83

00:02:22,390 --> 00:02:19,360

and i'm wholly

84

00:02:23,030 --> 00:02:22,400

uninterested the ramifications at least

85

00:02:25,350 --> 00:02:23,040

for me

86

00:02:27,110 --> 00:02:25,360

of simplifying is worse than intricacy

87

00:02:28,550 --> 00:02:27,120

but mainly there's also the aspect that

88

00:02:30,470 --> 00:02:28,560

the audience that is you

89

00:02:32,869 --> 00:02:30,480

seem to be more engaged extremely

90

00:02:34,470 --> 00:02:32,879

engaged when i'm engaged that is that i

91

00:02:35,670 --> 00:02:34,480

actually want to know the answers to the

92

00:02:37,110 --> 00:02:35,680

questions i'm asking

93

00:02:40,390 --> 00:02:37,120

i'm not asking well what are your top

94

00:02:42,470 --> 00:02:40,400

three favorite books what inspires you

95

00:02:44,070 --> 00:02:42,480

i don't care about that i want to know

96

00:02:45,910 --> 00:02:44,080

what is the relationship between

97

00:02:47,910 --> 00:02:45,920

the paranormal psy and jung

98

00:02:49,270 --> 00:02:47,920

synchronicity thomas why do you define

99

00:02:50,710 --> 00:02:49,280

consciousness as that which has

100

00:02:52,150 --> 00:02:50,720

evolutionary potential

101
00:02:53,589 --> 00:02:52,160
why do you call life a turing machine

102
00:02:55,430 --> 00:02:53,599
when it seems pretty clear that there's

103
00:02:56,790 --> 00:02:55,440
a physical trade-off between structure

104
00:02:58,149 --> 00:02:56,800
function complexity and

105
00:02:59,830 --> 00:02:58,159
genomic length which doesn't

106
00:03:02,070 --> 00:02:59,840
characterize a turing machine's tape

107
00:03:03,430 --> 00:03:02,080
either way you get the idea you're here

108
00:03:06,470 --> 00:03:03,440
to listen to thomas campbell

109
00:03:07,509 --> 00:03:06,480
let's get started enjoy tom why don't

110
00:03:09,830 --> 00:03:07,519
you tell the audience what you're

111
00:03:13,270 --> 00:03:09,840
working on these days

112
00:03:16,949 --> 00:03:15,270
well i suspect what you're referring to

113
00:03:19,670 --> 00:03:16,959

working on these days is

114

00:03:21,350 --> 00:03:19,680

uh the my big toe since you are

115

00:03:21,910 --> 00:03:21,360

obviously interested in theories of

116

00:03:25,589 --> 00:03:21,920

everything

117

00:03:29,830 --> 00:03:25,599

that's one of your subjects of interest

118

00:03:33,270 --> 00:03:29,840

um my big toe

119

00:03:34,470 --> 00:03:33,280

uh was called my not because i'm so

120

00:03:37,910 --> 00:03:34,480

proud of it

121

00:03:40,869 --> 00:03:37,920

it's because if it's not your experience

122

00:03:42,070 --> 00:03:40,879

then it can't be your truth so my big

123

00:03:45,350 --> 00:03:42,080

toe is basically

124

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

based on my experience my research

125

00:03:51,190 --> 00:03:48,480

and my conclusions and

126

00:03:53,429 --> 00:03:51,200

my big toe should just be perhaps a

127

00:03:56,949 --> 00:03:53,439

structure or a platform for

128

00:04:02,070 --> 00:03:56,959

each person to build their own big top

129

00:04:05,429 --> 00:04:02,080

it's it's not something to be believed

130

00:04:07,589 --> 00:04:05,439

belief is is a problem belief gets in

131

00:04:11,990 --> 00:04:07,599

the way where you have a belief

132

00:04:14,630 --> 00:04:12,000

you put yourself what behind a wall

133

00:04:16,150 --> 00:04:14,640

you don't then let in other information

134

00:04:19,749 --> 00:04:16,160

that conflicts with that belief

135

00:04:21,830 --> 00:04:19,759

so beliefs are always a problem to

136

00:04:22,950 --> 00:04:21,840

you know to understanding you know the

137

00:04:25,189 --> 00:04:22,960

big picture

138

00:04:27,270 --> 00:04:25,199

so i would not encourage anybody to

139

00:04:30,150 --> 00:04:27,280

believe my model but to

140

00:04:30,710 --> 00:04:30,160

look at it and see if it applies to

141

00:04:33,510 --> 00:04:30,720

their

142

00:04:35,430 --> 00:04:33,520

life so i'm a physicist let's just give

143

00:04:37,430 --> 00:04:35,440

you a little overview at you know my big

144

00:04:40,469 --> 00:04:37,440

toe it's a it's a model of everything

145

00:04:42,790 --> 00:04:40,479

it's a big toe not just a toe mostly

146

00:04:45,510 --> 00:04:42,800

when you hear about toes

147

00:04:46,870 --> 00:04:45,520

they're not really about everything

148

00:04:49,670 --> 00:04:46,880

they're a theory of

149

00:04:49,990 --> 00:04:49,680

physics there's a very they're a theory

150

00:04:53,670 --> 00:04:50,000

of

151
00:04:55,350 --> 00:04:53,680
fundamental science within this universe

152
00:04:57,270 --> 00:04:55,360
you know the science of our universe

153
00:05:00,390 --> 00:04:57,280
that's what they are

154
00:05:03,510 --> 00:05:00,400
and what they leave out

155
00:05:04,310 --> 00:05:03,520
is everything that is subjective in

156
00:05:07,830 --> 00:05:04,320
other words

157
00:05:09,029 --> 00:05:07,840
consciousness you know attitudes

158
00:05:13,189 --> 00:05:09,039
feelings

159
00:05:19,029 --> 00:05:16,230
everything that's in the

160
00:05:19,270 --> 00:05:19,039
subjective world and if you think about

161
00:05:22,629 --> 00:05:19,280
it

162
00:05:23,430 --> 00:05:22,639
most of our world that is important to

163
00:05:26,150 --> 00:05:23,440

us

164

00:05:27,670 --> 00:05:26,160

does fall in this subjective side the

165

00:05:30,390 --> 00:05:27,680

objective world

166

00:05:32,469 --> 00:05:30,400

of physicists and i'm a physicist but

167

00:05:34,710 --> 00:05:32,479

the objective world of physics

168

00:05:35,670 --> 00:05:34,720

is basically just a subset of the world

169

00:05:39,270 --> 00:05:35,680

that we live in

170

00:05:42,070 --> 00:05:39,280

and interact in and it's i would say

171

00:05:43,430 --> 00:05:42,080

a minor subset it's the it's the stage

172

00:05:46,870 --> 00:05:43,440

it's the props

173

00:05:49,189 --> 00:05:46,880

it's all the stuff um

174

00:05:50,390 --> 00:05:49,199

important things in our life like who

175

00:05:52,390 --> 00:05:50,400

should i marry

176

00:05:53,990 --> 00:05:52,400

should i take this job or that job you

177

00:05:56,070 --> 00:05:54,000

know uh

178

00:05:57,990 --> 00:05:56,080

that sort of thing big things that

179

00:05:59,430 --> 00:05:58,000

change our lives change our thinking now

180

00:06:01,909 --> 00:05:59,440

what book should i read

181

00:06:02,629 --> 00:06:01,919

all of these choices are not objective

182

00:06:07,029 --> 00:06:02,639

choices

183

00:06:09,749 --> 00:06:07,039

of our

184

00:06:10,710 --> 00:06:09,759

more meaningful experiences like love

185

00:06:13,430 --> 00:06:10,720

you know

186

00:06:14,950 --> 00:06:13,440

justice truth all these things are

187

00:06:17,270 --> 00:06:14,960

subjective

188

00:06:18,070 --> 00:06:17,280

you know you know or at least have large

189

00:06:21,990 --> 00:06:18,080

components

190

00:06:24,150 --> 00:06:22,000

of subjectiveness in them so

191

00:06:25,909 --> 00:06:24,160

a theory of everything has to also be a

192

00:06:27,990 --> 00:06:25,919

theory of the subjective world

193

00:06:30,070 --> 00:06:28,000

as well as the objective world otherwise

194

00:06:32,150 --> 00:06:30,080

you've just got a little tao

195

00:06:34,950 --> 00:06:32,160

which is just the theory of the

196

00:06:35,909 --> 00:06:34,960

objective world so mai tai was a bit

197

00:06:40,629 --> 00:06:35,919

different

198

00:06:42,390 --> 00:06:40,639

and mine started with

199

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

or i should say mine starts with

200

00:06:47,990 --> 00:06:45,520

consciousness as a fundamental

201
00:06:49,909 --> 00:06:48,000
and the reason that i came to that is

202
00:06:52,309 --> 00:06:49,919
that i was in graduate school in physics

203
00:06:53,029 --> 00:06:52,319
working on my phd in experimental

204
00:06:56,070 --> 00:06:53,039
nuclear

205
00:06:58,070 --> 00:06:56,080
physics and

206
00:06:59,749 --> 00:06:58,080
i found out just quite by accident that

207
00:07:02,790 --> 00:06:59,759
i could debug my

208
00:07:04,390 --> 00:07:02,800
my computer code now back in those days

209
00:07:06,309 --> 00:07:04,400
this is the old days in computer code

210
00:07:08,230 --> 00:07:06,319
i'm talking about boxes of cards you

211
00:07:11,749 --> 00:07:08,240
know that sort of thing

212
00:07:13,029 --> 00:07:11,759
and debugging was a huge problem

213
00:07:15,589 --> 00:07:13,039

not like the day where you have

214

00:07:15,990 --> 00:07:15,599

debuggers and instant terminals and

215

00:07:18,309 --> 00:07:16,000

access

216

00:07:19,670 --> 00:07:18,319

to you know to the computers and so on

217

00:07:22,070 --> 00:07:19,680

and those days

218

00:07:23,830 --> 00:07:22,080

there was a big central computer and it

219

00:07:26,870 --> 00:07:23,840

took up a whole building

220

00:07:28,790 --> 00:07:26,880

and it was not as powerful as your

221

00:07:30,790 --> 00:07:28,800

telephone is today

222

00:07:32,469 --> 00:07:30,800

it was probably only a hundredth or a

223

00:07:34,070 --> 00:07:32,479

thousandth as powerful as your cell

224

00:07:36,950 --> 00:07:34,080

phone is today

225

00:07:37,909 --> 00:07:36,960

and the whole school the whole

226

00:07:40,710 --> 00:07:37,919

university

227

00:07:41,670 --> 00:07:40,720

ran on that one computer there were no

228

00:07:45,749 --> 00:07:41,680

there were no

229

00:07:46,629 --> 00:07:45,759

desktops so you've got to stand in line

230

00:07:49,189 --> 00:07:46,639

in a queue

231

00:07:49,909 --> 00:07:49,199

and if you got one or two jobs run a

232

00:07:53,029 --> 00:07:49,919

week

233

00:07:55,270 --> 00:07:53,039

well lucky you so if that job

234

00:07:56,070 --> 00:07:55,280

ran because and bombed because you had

235

00:07:59,029 --> 00:07:56,080

an error

236

00:08:00,230 --> 00:07:59,039

well you just lost a week for your

237

00:08:02,390 --> 00:08:00,240

research you see so

238

00:08:03,749 --> 00:08:02,400

debugging was something people spent a

239

00:08:06,629 --> 00:08:03,759

lot of time

240

00:08:07,909 --> 00:08:06,639

focused on so that they didn't have to

241

00:08:10,070 --> 00:08:07,919

wait forever to get their

242

00:08:11,589 --> 00:08:10,080

their research done and their and their

243

00:08:14,309 --> 00:08:11,599

their ideas

244

00:08:15,589 --> 00:08:14,319

worked out so in any case i found that

245

00:08:17,029 --> 00:08:15,599

in my mind

246

00:08:18,869 --> 00:08:17,039

i could bring up a picture in a

247

00:08:20,790 --> 00:08:18,879

meditation state i learned to meditate

248

00:08:22,869 --> 00:08:20,800

while i was in graduate school

249

00:08:24,309 --> 00:08:22,879

and i learned because the advertisement

250

00:08:25,350 --> 00:08:24,319

said that you could get by with less

251
00:08:28,710 --> 00:08:25,360
sleep

252
00:08:31,830 --> 00:08:28,720
and in graduate school that just was

253
00:08:32,070 --> 00:08:31,840
was a real big plus for me so that's why

254
00:08:47,190 --> 00:08:32,080
i

255
00:08:48,630 --> 00:08:47,200
red

256
00:08:50,630 --> 00:08:48,640
that was an intention of mine i wanted

257
00:08:52,310 --> 00:08:50,640
to be able to see them and i just did

258
00:08:52,870 --> 00:08:52,320
this kind of on a wild hair you know

259
00:08:54,470 --> 00:08:52,880
kind of a

260
00:08:56,630 --> 00:08:54,480
lark well i'm in a meditation state

261
00:08:58,949 --> 00:08:56,640
let's see what i can do

262
00:09:00,790 --> 00:08:58,959
and i checked it out and it was correct

263
00:09:03,430 --> 00:09:00,800

those lines of code were

264

00:09:05,509 --> 00:09:03,440

actually the ones that had problems and

265

00:09:07,350 --> 00:09:05,519

in these days a problem wasn't because

266

00:09:10,310 --> 00:09:07,360

necessarily you

267

00:09:11,910 --> 00:09:10,320

it incorrectly maybe the the key punch

268

00:09:13,590 --> 00:09:11,920

was just off a hair

269

00:09:15,350 --> 00:09:13,600

if those little holes didn't line up

270

00:09:18,150 --> 00:09:15,360

exactly right with the reader

271

00:09:19,750 --> 00:09:18,160

you'd get an error you know so you may

272

00:09:20,949 --> 00:09:19,760

have done all the right things but the

273

00:09:24,470 --> 00:09:20,959

machine

274

00:09:27,670 --> 00:09:24,480

was a little off that punched holes so

275

00:09:31,110 --> 00:09:27,680

that as a physicist that hit me like

276

00:09:32,870 --> 00:09:31,120

with a like a ton of bricks uh what was

277

00:09:37,030 --> 00:09:32,880

going on here how could i

278

00:09:38,790 --> 00:09:37,040

do that there was no physical process

279

00:09:41,430 --> 00:09:38,800

going on it was entirely a mental

280

00:09:44,630 --> 00:09:41,440

process and how could my mental process

281

00:09:48,550 --> 00:09:44,640

find things like key punch errors

282

00:09:51,110 --> 00:09:48,560

you know that's was just crazy

283

00:09:52,870 --> 00:09:51,120

so i played with it and i played with it

284

00:09:54,150 --> 00:09:52,880

and i found that i got better with it

285

00:09:57,269 --> 00:09:54,160

with practice

286

00:09:59,350 --> 00:09:57,279

and that i could decode my stuff very

287

00:10:00,389 --> 00:09:59,360

i mean you know debug it very very

288

00:10:03,430 --> 00:10:00,399

quickly

289

00:10:04,630 --> 00:10:03,440

so as a physicist what that told me was

290

00:10:09,990 --> 00:10:04,640

that my

291

00:10:13,990 --> 00:10:10,000

my idea that reality

292

00:10:17,750 --> 00:10:14,000

is measurable if it's not measurable

293

00:10:20,310 --> 00:10:17,760

in other words this is called a um

294

00:10:21,910 --> 00:10:20,320

what's the word for the uh it's like if

295

00:10:22,949 --> 00:10:21,920

you can't interact with it

296

00:10:24,389 --> 00:10:22,959

you know if you're talking about

297

00:10:25,829 --> 00:10:24,399

something you say oh this is real but

298

00:10:26,470 --> 00:10:25,839

you can't interact with it you can't see

299

00:10:28,630 --> 00:10:26,480

it can't

300

00:10:29,590 --> 00:10:28,640

operationalism yeah it's an operational

301
00:10:32,630 --> 00:10:29,600
definition

302
00:10:34,949 --> 00:10:32,640
of reality exactly so i

303
00:10:36,069 --> 00:10:34,959
as a physicist that was my attitude

304
00:10:39,670 --> 00:10:36,079
toward reality it's

305
00:10:42,230 --> 00:10:39,680
it's an operational reality so

306
00:10:43,829 --> 00:10:42,240
i realized that wasn't true that there

307
00:10:46,550 --> 00:10:43,839
was more to reality

308
00:10:48,150 --> 00:10:46,560
than just what you could measure what

309
00:10:50,949 --> 00:10:48,160
you could do operations on

310
00:10:53,670 --> 00:10:50,959
it had another whole component to it

311
00:10:56,949 --> 00:10:53,680
that was more tied up to mental

312
00:11:00,790 --> 00:10:56,959
than to physical it was subjective

313
00:11:03,110 --> 00:11:00,800

not objective so i just

314

00:11:05,190 --> 00:11:03,120

kind of had that as an idea wow i'd like

315

00:11:07,990 --> 00:11:05,200

to find out more about this because

316

00:11:10,710 --> 00:11:08,000

as a physicist my job was to model

317

00:11:12,710 --> 00:11:10,720

reality to understand how reality works

318

00:11:14,550 --> 00:11:12,720

and i realized there was this whole big

319

00:11:17,110 --> 00:11:14,560

piece of reality

320

00:11:18,710 --> 00:11:17,120

that was outside of what i had thought

321

00:11:20,550 --> 00:11:18,720

was possible

322

00:11:22,870 --> 00:11:20,560

so i just walked around with that i

323

00:11:23,590 --> 00:11:22,880

didn't really know what to do about it

324

00:11:26,710 --> 00:11:23,600

or how to

325

00:11:28,949 --> 00:11:26,720

deal with it other than it was there

326

00:11:29,750 --> 00:11:28,959

and it wasn't a matter of did i just

327

00:11:31,350 --> 00:11:29,760

imagine that

328

00:11:33,110 --> 00:11:31,360

that was ridiculous of course i didn't

329

00:11:33,590 --> 00:11:33,120

imagine i can't imagine that oh this

330

00:11:35,509 --> 00:11:33,600

whole

331

00:11:38,710 --> 00:11:35,519

you know is one hundredth of a

332

00:11:41,750 --> 00:11:38,720

millimeter you know too far to the right

333

00:11:44,630 --> 00:11:41,760

that's not something you can imagine so

334

00:11:46,230 --> 00:11:44,640

in any case when i got out of graduate

335

00:11:49,990 --> 00:11:46,240

school took a job

336

00:11:52,870 --> 00:11:50,000

and as you know luck would have it

337

00:11:53,590 --> 00:11:52,880

about probably four five six months into

338

00:11:57,750 --> 00:11:53,600

my first

339

00:11:59,990 --> 00:11:57,760

job as a physicist i

340

00:12:00,790 --> 00:12:00,000

was nuclear physicist correct yeah

341

00:12:06,870 --> 00:12:00,800

nuclear

342

00:12:08,710 --> 00:12:06,880

we worked with a big van de graaff

343

00:12:10,710 --> 00:12:08,720

accelerator so

344

00:12:12,150 --> 00:12:10,720

you know 5 mev was about as far as we

345

00:12:16,069 --> 00:12:12,160

could go as far as

346

00:12:19,350 --> 00:12:16,079

energy went so anyway

347

00:12:19,750 --> 00:12:19,360

i was introduced to bob monroe i got to

348

00:12:22,310 --> 00:12:19,760

meet

349

00:12:24,629 --> 00:12:22,320

bob monroe now bob monroe had written

350

00:12:28,230 --> 00:12:24,639

books called journey out of the body

351
00:12:28,550 --> 00:12:28,240
and at that time and i read that book

352
00:12:31,430 --> 00:12:28,560
and

353
00:12:33,110 --> 00:12:31,440
my opinion of it was well if this is

354
00:12:34,550 --> 00:12:33,120
probably just trying to sell books you

355
00:12:35,190 --> 00:12:34,560
know this guy's writing making up a

356
00:12:38,389 --> 00:12:35,200
story

357
00:12:38,710 --> 00:12:38,399
making it up and he's just and you read

358
00:12:40,230 --> 00:12:38,720
this

359
00:12:41,750 --> 00:12:40,240
book after your transcendental

360
00:12:44,790 --> 00:12:41,760
meditation sessions

361
00:12:47,990 --> 00:12:44,800
no i read this like three

362
00:12:50,629 --> 00:12:48,000
years after i become you know

363
00:12:51,990 --> 00:12:50,639

about three years after uh i learned how

364

00:12:54,310 --> 00:12:52,000

to do meditation

365

00:12:55,910 --> 00:12:54,320

it was a long time i got a job and

366

00:12:57,750 --> 00:12:55,920

actually it was my boss

367

00:12:59,190 --> 00:12:57,760

tossed me into this group by bob monroe

368

00:13:01,829 --> 00:12:59,200

and said read this book

369

00:13:02,949 --> 00:13:01,839

and i read it just read it because you

370

00:13:05,990 --> 00:13:02,959

got to be kidding

371

00:13:08,230 --> 00:13:06,000

journeys out of the body boss really

372

00:13:09,509 --> 00:13:08,240

but i read it and i told him you know

373

00:13:13,190 --> 00:13:09,519

he's either making it up

374

00:13:14,069 --> 00:13:13,200

to get money or it's indicative of

375

00:13:16,710 --> 00:13:14,079

another

376

00:13:17,190 --> 00:13:16,720

piece of reality that we just don't know

377

00:13:20,150 --> 00:13:17,200

about

378

00:13:20,629 --> 00:13:20,160

but how can we tell is he for real or is

379

00:13:24,870 --> 00:13:20,639

he

380

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

open to reality being bigger than just a

381

00:13:29,190 --> 00:13:27,200

physical because of my experiences some

382

00:13:31,190 --> 00:13:29,200

three years ago you know in graduate

383

00:13:33,990 --> 00:13:31,200

school being able to debug code

384

00:13:34,710 --> 00:13:34,000

so i was open-minded to perhaps there's

385

00:13:38,629 --> 00:13:34,720

more

386

00:13:41,750 --> 00:13:38,639

in mind space

387

00:13:43,670 --> 00:13:41,760

not in physical space so we went out

388

00:13:45,509 --> 00:13:43,680

just to get some acronyms out of the way

389

00:13:47,110 --> 00:13:45,519

there's pmr which is physical matter

390

00:13:48,949 --> 00:13:47,120

reality right

391

00:13:50,150 --> 00:13:48,959

and then there's nprm is which is

392

00:13:52,470 --> 00:13:50,160

non-physical matter

393

00:13:54,389 --> 00:13:52,480

reality right okay okay yeah and

394

00:13:55,269 --> 00:13:54,399

basically there's that definition is

395

00:13:56,949 --> 00:13:55,279

that pmr

396

00:13:58,949 --> 00:13:56,959

is what we call our physical universe

397

00:14:02,230 --> 00:13:58,959

it's what we call physical

398

00:14:05,189 --> 00:14:02,240

okay and that the nprm

399

00:14:06,310 --> 00:14:05,199

is everything else anything else so when

400

00:14:08,949 --> 00:14:06,320

you dream

401
00:14:10,069 --> 00:14:08,959
you're not the reality in your dream is

402
00:14:12,230 --> 00:14:10,079
in nvmr

403
00:14:14,310 --> 00:14:12,240
it's not part of the physical world so

404
00:14:16,150 --> 00:14:14,320
it's just terminology that lets

405
00:14:18,389 --> 00:14:16,160
me differentiate the physical world from

406
00:14:21,990 --> 00:14:18,399
everything else

407
00:14:23,750 --> 00:14:22,000
so anyway my boss

408
00:14:26,150 --> 00:14:23,760
found out where bob monroe lived it

409
00:14:29,269 --> 00:14:26,160
wasn't that far from where we worked

410
00:14:33,990 --> 00:14:29,279
and we made an appointment to go see him

411
00:14:36,949 --> 00:14:34,000
and i did and he was a very

412
00:14:37,509 --> 00:14:36,959
wealthy guy he didn't need book sales he

413
00:14:39,910 --> 00:14:37,519

was way

414

00:14:41,590 --> 00:14:39,920

past the money that book sales bring in

415

00:14:43,910 --> 00:14:41,600

and he was

416

00:14:45,910 --> 00:14:43,920

he had a personality like an engineer he

417

00:14:46,629 --> 00:14:45,920

was very you know he was bright but very

418

00:14:49,430 --> 00:14:46,639

factual

419

00:14:49,910 --> 00:14:49,440

you know very very clear he wasn't fuzzy

420

00:14:53,990 --> 00:14:49,920

headed

421

00:14:56,790 --> 00:14:54,000

and kind of on the on the crazy side

422

00:14:57,350 --> 00:14:56,800

and he told us that he'd just built a

423

00:14:59,430 --> 00:14:57,360

lab

424

00:15:00,470 --> 00:14:59,440

to study consciousness because he wanted

425

00:15:03,350 --> 00:15:00,480

to bring

426

00:15:04,790 --> 00:15:03,360

science to this experience of his so he

427

00:15:06,389 --> 00:15:04,800

wanted to study it and he was looking

428

00:15:07,509 --> 00:15:06,399

for some scientists that would help him

429

00:15:09,030 --> 00:15:07,519

study so i

430

00:15:12,710 --> 00:15:09,040

shot my hand up in the air you know i've

431

00:15:16,230 --> 00:15:12,720

been a student like for 30 years yes i

432

00:15:18,790 --> 00:15:16,240

put my hand up in the air right away and

433

00:15:19,350 --> 00:15:18,800

about a month or so later i was making

434

00:15:22,389 --> 00:15:19,360

trips

435

00:15:23,030 --> 00:15:22,399

you know every week you know out to the

436

00:15:25,590 --> 00:15:23,040

lab

437

00:15:27,670 --> 00:15:25,600

and starting to actually first we had to

438

00:15:30,870 --> 00:15:27,680

build equipment in the lab we built the

439

00:15:31,910 --> 00:15:30,880

equipment with eeg we built the gsrs and

440

00:15:34,389 --> 00:15:31,920

other things to

441

00:15:35,110 --> 00:15:34,399

what are gsrs that's a galvanic skin

442

00:15:38,629 --> 00:15:35,120

response

443

00:15:40,389 --> 00:15:38,639

it basically measures skin resistivity

444

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

you know the resistance of your skin to

445

00:15:51,350 --> 00:15:40,639

a

446

00:15:53,269 --> 00:15:51,360

up if you're very excited it goes down

447

00:15:54,389 --> 00:15:53,279

you know like a neurophysiological

448

00:15:55,670 --> 00:15:54,399

measurement yeah

449

00:15:57,910 --> 00:15:55,680

it's something that tells you a little

450

00:16:01,189 --> 00:15:57,920

bit about something of mine we didn't

451
00:16:04,150 --> 00:16:01,199
you know we were trying to

452
00:16:06,629 --> 00:16:04,160
measure whatever we could and there's

453
00:16:09,430 --> 00:16:06,639
not a lot that measures

454
00:16:11,749 --> 00:16:09,440
things that are primarily mental you

455
00:16:13,350 --> 00:16:11,759
know so eeg and gsr were two of the

456
00:16:14,389 --> 00:16:13,360
things that we could do and we could

457
00:16:16,870 --> 00:16:14,399
afford so we

458
00:16:17,829 --> 00:16:16,880
we built most of the equipment we wired

459
00:16:20,629 --> 00:16:17,839
the lab

460
00:16:22,389 --> 00:16:20,639
we we uh kind of set things up and then

461
00:16:22,949 --> 00:16:22,399
we got in the booths and bob would come

462
00:16:27,030 --> 00:16:22,959
up

463
00:16:29,990 --> 00:16:27,040

and teach us what he knew about

464

00:16:31,829 --> 00:16:30,000

observing and interacting with this

465

00:16:34,870 --> 00:16:31,839

larger reality which is

466

00:16:37,749 --> 00:16:34,880

outside this physical universe

467

00:16:38,470 --> 00:16:37,759

in other words mind space and of course

468

00:16:40,949 --> 00:16:38,480

myself

469

00:16:42,629 --> 00:16:40,959

and an electrical engineer came with me

470

00:16:43,990 --> 00:16:42,639

we said we were both in this together we

471

00:16:46,710 --> 00:16:44,000

both worked at the same

472

00:16:48,710 --> 00:16:46,720

place and our idea was well if this

473

00:16:50,389 --> 00:16:48,720

turns out to be a lot of hocus pocus you

474

00:16:52,150 --> 00:16:50,399

know we're out of here but

475

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

if it turns out that we really learned

476

00:16:56,470 --> 00:16:54,000

something then great we were both

477

00:16:58,069 --> 00:16:56,480

excited about the possibilities of of

478

00:16:59,430 --> 00:16:58,079

learning something so the deal was that

479

00:17:02,310 --> 00:16:59,440

we'd help bob

480

00:17:03,110 --> 00:17:02,320

and we would be free we wouldn't cost

481

00:17:06,230 --> 00:17:03,120

him anything

482

00:17:07,909 --> 00:17:06,240

and and that he would teach us so we

483

00:17:09,429 --> 00:17:07,919

could experience it because if we just

484

00:17:13,110 --> 00:17:09,439

examined him

485

00:17:15,110 --> 00:17:13,120

well you know you can if you learn about

486

00:17:16,789 --> 00:17:15,120

something that you study but you've

487

00:17:18,710 --> 00:17:16,799

never experienced

488

00:17:20,710 --> 00:17:18,720

it's never quite real we wanted to

489

00:17:22,069 --> 00:17:20,720

experience it so we could find it out

490

00:17:23,990 --> 00:17:22,079

for ourselves

491

00:17:25,750 --> 00:17:24,000

or you know how real it was made it more

492

00:17:27,590 --> 00:17:25,760

objective for us

493

00:17:29,270 --> 00:17:27,600

even though it was still in a subjective

494

00:17:31,110 --> 00:17:29,280

space so he did

495

00:17:32,390 --> 00:17:31,120

every you know we came out there a

496

00:17:35,990 --> 00:17:32,400

couple of days a week

497

00:17:38,470 --> 00:17:36,000

and he tried to teach us to experience

498

00:17:40,230 --> 00:17:38,480

mental space things in mental space and

499

00:17:41,750 --> 00:17:40,240

what dennis and i wanted to do is let's

500

00:17:43,350 --> 00:17:41,760

prove that this is real

501
00:17:45,270 --> 00:17:43,360
to ourselves not just something we're

502
00:17:46,150 --> 00:17:45,280
imagining not just something we're

503
00:17:49,510 --> 00:17:46,160
making up but

504
00:17:52,789 --> 00:17:49,520
is it real so we started doing

505
00:17:55,590 --> 00:17:52,799
things that were evidential

506
00:17:57,029 --> 00:17:55,600
um you know like remote viewing things

507
00:17:59,110 --> 00:17:57,039
are very evidential

508
00:18:01,110 --> 00:17:59,120
you know we go in get in our booths and

509
00:18:01,750 --> 00:18:01,120
the booths we had were isolation booths

510
00:18:05,350 --> 00:18:01,760
they all were

511
00:18:06,950 --> 00:18:05,360
uh um acoustically isolated from each

512
00:18:08,470 --> 00:18:06,960
other and one of them was a faraday cage

513
00:18:09,830 --> 00:18:08,480

which was electromagnetic oh

514

00:18:11,430 --> 00:18:09,840

great i was going to ask you about that

515

00:18:13,190 --> 00:18:11,440

yeah one was a faraday cage that's the

516

00:18:14,789 --> 00:18:13,200

one i got in was the faraday cage and

517

00:18:15,830 --> 00:18:14,799

one dennis there was actually three

518

00:18:17,590 --> 00:18:15,840

booths in a row

519

00:18:19,190 --> 00:18:17,600

i got in number one dennis got number

520

00:18:19,909 --> 00:18:19,200

three so there was an empty one between

521

00:18:23,510 --> 00:18:19,919

us

522

00:18:25,190 --> 00:18:23,520

greater than

523

00:18:27,830 --> 00:18:25,200

than it would be for two consecutive

524

00:18:28,470 --> 00:18:27,840

booths but so we did we got in these

525

00:18:30,710 --> 00:18:28,480

booths

526
00:18:32,950 --> 00:18:30,720
and there's a microphone coming down

527
00:18:35,830 --> 00:18:32,960
from the ceiling just above our lips

528
00:18:37,029 --> 00:18:35,840
and bob would help us get into the

529
00:18:39,510 --> 00:18:37,039
mental state

530
00:18:41,029 --> 00:18:39,520
and gave us exercises and things to do

531
00:18:42,390 --> 00:18:41,039
and we would tell him what we were

532
00:18:46,150 --> 00:18:42,400
experiencing

533
00:18:47,350 --> 00:18:46,160
and that way he could be more effective

534
00:18:50,549 --> 00:18:47,360
in guiding us

535
00:18:52,310 --> 00:18:50,559
but bob was very careful about not

536
00:18:54,630 --> 00:18:52,320
leading the witness you know he wasn't

537
00:18:56,390 --> 00:18:54,640
saying well now you should see this

538
00:18:58,310 --> 00:18:56,400

he would never say that because that's

539

00:19:00,230 --> 00:18:58,320

leading people to say something

540

00:19:02,310 --> 00:19:00,240

he would just say do this and this and

541

00:19:05,590 --> 00:19:02,320

this now what do you see

542

00:19:06,870 --> 00:19:05,600

and so we did this and we pride

543

00:19:08,950 --> 00:19:06,880

evidential things

544

00:19:11,110 --> 00:19:08,960

remote viewing is one of the obvious

545

00:19:14,630 --> 00:19:11,120

ones and we did other things too

546

00:19:15,029 --> 00:19:14,640

we did you know mental healing and we

547

00:19:18,549 --> 00:19:15,039

did

548

00:19:21,590 --> 00:19:18,559

uh collecting

549

00:19:23,590 --> 00:19:21,600

data trying to get information from

550

00:19:25,590 --> 00:19:23,600

however we could get information mental

551
00:19:26,549 --> 00:19:25,600
healing of who of yourself or of someone

552
00:19:28,390 --> 00:19:26,559
else

553
00:19:30,310 --> 00:19:28,400
of other people of other people that we

554
00:19:32,470 --> 00:19:30,320
knew about who had illnesses

555
00:19:33,750 --> 00:19:32,480
we did we did that but you have to do

556
00:19:35,669 --> 00:19:33,760
that hundreds of times

557
00:19:37,110 --> 00:19:35,679
to collect statistics on whether or not

558
00:19:38,070 --> 00:19:37,120
you're having an effect you know you

559
00:19:39,750 --> 00:19:38,080
don't know

560
00:19:41,110 --> 00:19:39,760
somebody could just get better and may

561
00:19:43,350 --> 00:19:41,120
not have anything to do with

562
00:19:44,950 --> 00:19:43,360
what you did but we would work on people

563
00:19:45,350 --> 00:19:44,960

sometimes that had chronic things they'd

564

00:19:47,029 --> 00:19:45,360

been

565

00:19:49,830 --> 00:19:47,039

they'd had this chronic illness for you

566

00:19:52,710 --> 00:19:49,840

know three decades 30 years

567

00:19:54,310 --> 00:19:52,720

and they were outside of the medical

568

00:19:56,310 --> 00:19:54,320

system because the medical system had

569

00:19:58,150 --> 00:19:56,320

said there's nothing else we can do

570

00:19:59,350 --> 00:19:58,160

and we would try to see if we could fix

571

00:20:01,110 --> 00:19:59,360

things like that so that's more

572

00:20:01,990 --> 00:20:01,120

evidential than just though somebody has

573

00:20:03,590 --> 00:20:02,000

a headache

574

00:20:05,669 --> 00:20:03,600

oh my headache went away well it might

575

00:20:06,870 --> 00:20:05,679

have gone away anyway you know so you

576

00:20:08,549 --> 00:20:06,880

have to have

577

00:20:10,549 --> 00:20:08,559

you have to look at these things

578

00:20:13,110 --> 00:20:10,559

carefully but dennis and i were both

579

00:20:14,710 --> 00:20:13,120

being very careful because we were both

580

00:20:17,110 --> 00:20:14,720

very skeptical

581

00:20:18,390 --> 00:20:17,120

so bob did teach us and right just as an

582

00:20:21,190 --> 00:20:18,400

aside you mentioned that

583

00:20:22,549 --> 00:20:21,200

npmr isn't scientific but it sounds like

584

00:20:24,149 --> 00:20:22,559

what you're saying is pmr

585

00:20:26,310 --> 00:20:24,159

that is our physical reality can

586

00:20:26,549 --> 00:20:26,320

interact with mind space or npmr and

587

00:20:28,310 --> 00:20:26,559

then

588

00:20:29,909 --> 00:20:28,320

npmr can interact with us so you have

589

00:20:31,830 --> 00:20:29,919

transitivity which means that you can

590

00:20:32,950 --> 00:20:31,840

have objective measures no yes you can

591

00:20:34,230 --> 00:20:32,960

have some that's what i mean by

592

00:20:35,909 --> 00:20:34,240

evidential things so

593

00:20:37,590 --> 00:20:35,919

these were the things these interactions

594

00:20:39,110 --> 00:20:37,600

say we could remote view

595

00:20:40,630 --> 00:20:39,120

we could see what was going on at a

596

00:20:42,310 --> 00:20:40,640

particular place we'd go get in our

597

00:20:43,110 --> 00:20:42,320

booths and bob would go into another

598

00:20:45,830 --> 00:20:43,120

room

599

00:20:47,270 --> 00:20:45,840

and he'd write a you know like a five or

600

00:20:48,230 --> 00:20:47,280

six seven digit number you know on the

601
00:20:50,230 --> 00:20:48,240
blackboard

602
00:20:52,149 --> 00:20:50,240
that he had in there and our job would

603
00:20:54,950 --> 00:20:52,159
be to to read it

604
00:20:56,070 --> 00:20:54,960
and in a sense we didn't do that in the

605
00:20:58,230 --> 00:20:56,080
sense of

606
00:21:00,149 --> 00:20:58,240
remote viewing we did that from the

607
00:21:02,310 --> 00:21:00,159
sense of going out of body going into

608
00:21:03,669 --> 00:21:02,320
that room and looking at the blackboard

609
00:21:05,669 --> 00:21:03,679
what's the difference between remote

610
00:21:08,149 --> 00:21:05,679
viewing and out of body almost

611
00:21:09,510 --> 00:21:08,159
nothing the the belief of the person

612
00:21:12,070 --> 00:21:09,520
that's doing it that's

613
00:21:12,630 --> 00:21:12,080

uh that's the only difference the

614

00:21:14,630 --> 00:21:12,640

function

615

00:21:16,470 --> 00:21:14,640

they're really not any different it's

616

00:21:18,789 --> 00:21:16,480

just the way you believe

617

00:21:20,070 --> 00:21:18,799

that the mechanism works these were back

618

00:21:21,750 --> 00:21:20,080

in the early days and

619

00:21:23,990 --> 00:21:21,760

what's the difference in belief between

620

00:21:25,669 --> 00:21:24,000

remote viewing and out of body

621

00:21:27,669 --> 00:21:25,679

well if you believe that you're remote

622

00:21:30,950 --> 00:21:27,679

viewing then basically you

623

00:21:32,950 --> 00:21:30,960

are basically your vision okay

624

00:21:33,990 --> 00:21:32,960

it's like you're tapping into a camera

625

00:21:35,350 --> 00:21:34,000

that's there yeah

626

00:21:37,590 --> 00:21:35,360

okay i understand your vision is

627

00:21:39,350 --> 00:21:37,600

remotely going someplace else that's why

628

00:21:41,669 --> 00:21:39,360

remote viewing so you are

629

00:21:43,430 --> 00:21:41,679

viewing remotely so it's like you can

630

00:21:44,070 --> 00:21:43,440

your eyeballs are someplace else or you

631

00:21:45,430 --> 00:21:44,080

have a camera

632

00:21:48,390 --> 00:21:45,440

someplace else versus some

633

00:21:50,789 --> 00:21:48,400

representation of your body or your soul

634

00:21:51,430 --> 00:21:50,799

right so okay and neither one of those

635

00:21:53,270 --> 00:21:51,440

are true

636

00:21:55,270 --> 00:21:53,280

of course you're not moving you're

637

00:21:57,350 --> 00:21:55,280

you're not moving your vision someplace

638

00:21:59,110 --> 00:21:57,360

and you're you don't have some essence

639

00:22:00,390 --> 00:21:59,120

of your body going anywhere all of those

640

00:22:02,070 --> 00:22:00,400

are just beliefs

641

00:22:04,149 --> 00:22:02,080

none of that works that way but these

642

00:22:06,149 --> 00:22:04,159

are things that people believed and at

643

00:22:07,510 --> 00:22:06,159

that time early on i didn't understand

644

00:22:09,270 --> 00:22:07,520

the nature of reality

645

00:22:10,549 --> 00:22:09,280

well that was my mission to try to

646

00:22:12,390 --> 00:22:10,559

understand it

647

00:22:13,669 --> 00:22:12,400

so we had these models you know out of

648

00:22:16,310 --> 00:22:13,679

body and remote viewing

649

00:22:17,590 --> 00:22:16,320

and things but it turns out that all of

650

00:22:19,270 --> 00:22:17,600

that was kind of

651
00:22:21,669 --> 00:22:19,280
based in belief anyway that's not the

652
00:22:23,190 --> 00:22:21,679
structure of how it really works

653
00:22:26,630 --> 00:22:23,200
so we would do these things that were

654
00:22:28,710 --> 00:22:26,640
evidential and by the evidential things

655
00:22:30,870 --> 00:22:28,720
you know it was probably one in ten

656
00:22:34,390 --> 00:22:30,880
thousand or one in a hundred thousand

657
00:22:36,230 --> 00:22:34,400
that that we were just lucky at guessing

658
00:22:37,190 --> 00:22:36,240
numbers written on boards or that we

659
00:22:39,590 --> 00:22:37,200
were just

660
00:22:41,909 --> 00:22:39,600
you know uh somehow lucky that people

661
00:22:43,909 --> 00:22:41,919
who had been ill for 30 years got better

662
00:22:46,549 --> 00:22:43,919
you know these kinds of things you know

663
00:22:48,549 --> 00:22:46,559

you do statistical significant studies

664

00:22:51,190 --> 00:22:48,559

and the statistical significance has to

665

00:22:51,750 --> 00:22:51,200

tell you basically how far away are you

666

00:22:56,310 --> 00:22:51,760

from

667

00:22:58,149 --> 00:22:56,320

random or

668

00:22:59,669 --> 00:22:58,159

how how much distance is it away from

669

00:23:03,029 --> 00:22:59,679

random and we were

670

00:23:05,669 --> 00:23:03,039

very distant from random so we knew

671

00:23:06,470 --> 00:23:05,679

intellectually that we actually were

672

00:23:07,990 --> 00:23:06,480

doing something

673

00:23:10,070 --> 00:23:08,000

we were able to interact with this

674

00:23:13,270 --> 00:23:10,080

reality through line space

675

00:23:15,750 --> 00:23:13,280

through mental space and that was a

676
00:23:16,470 --> 00:23:15,760
gee whiz how does it work why does it

677
00:23:18,630 --> 00:23:16,480
work

678
00:23:20,630 --> 00:23:18,640
what can you do with it why does it

679
00:23:23,669 --> 00:23:20,640
sometimes work and sometimes not work

680
00:23:26,789 --> 00:23:23,679
so well you know why is it not as as

681
00:23:28,390 --> 00:23:26,799
repeatable as we'd like it to be

682
00:23:30,149 --> 00:23:28,400
what does it have to do with mental

683
00:23:31,750 --> 00:23:30,159
state if you're in different kind of

684
00:23:33,430 --> 00:23:31,760
mental states it works

685
00:23:35,350 --> 00:23:33,440
better in this one and not so well in

686
00:23:38,470 --> 00:23:35,360
that one and what's the difference

687
00:23:39,510 --> 00:23:38,480
so the whole point was for me to

688
00:23:42,950 --> 00:23:39,520

understand it

689

00:23:45,669 --> 00:23:42,960

and give some kind of fundamental model

690

00:23:46,549 --> 00:23:45,679

of what was going on how it was going on

691

00:23:49,990 --> 00:23:46,559

produce

692

00:23:53,590 --> 00:23:50,000

a theory that allowed

693

00:23:57,350 --> 00:23:53,600

me to predict results

694

00:23:59,590 --> 00:23:57,360

and methods and explain things like why

695

00:24:01,510 --> 00:23:59,600

this worked and why that didn't work

696

00:24:03,190 --> 00:24:01,520

and so on to understand it so i worked

697

00:24:04,470 --> 00:24:03,200

on that i was the physicist then that

698

00:24:07,830 --> 00:24:04,480

was my job

699

00:24:09,990 --> 00:24:07,840

and that took me about 35 years before

700

00:24:12,870 --> 00:24:10,000

i thought i understood it well enough

701
00:24:14,870 --> 00:24:12,880
because i had to do a lot of research

702
00:24:16,950 --> 00:24:14,880
you know if you if you do remote viewing

703
00:24:18,390 --> 00:24:16,960
and you do it from this mental state and

704
00:24:21,029 --> 00:24:18,400
it doesn't work

705
00:24:22,470 --> 00:24:21,039
then is that just circumstance or is

706
00:24:23,110 --> 00:24:22,480
there really something about that mental

707
00:24:25,430 --> 00:24:23,120
state

708
00:24:27,269 --> 00:24:25,440
or 35 years meaning you were 35 years

709
00:24:27,990 --> 00:24:27,279
old or 35 years from the point that you

710
00:24:33,350 --> 00:24:28,000
started

711
00:24:35,750 --> 00:24:33,360
took me that long because

712
00:24:37,510 --> 00:24:35,760
science is tedious you have to change

713
00:24:39,029 --> 00:24:37,520

variables and see what happens and then

714

00:24:40,630 --> 00:24:39,039

change the variable a little more and

715

00:24:42,470 --> 00:24:40,640

see what happens and then

716

00:24:43,669 --> 00:24:42,480

change a different variable and see what

717

00:24:46,070 --> 00:24:43,679

happens so

718

00:24:47,350 --> 00:24:46,080

trying to have a scientific approach to

719

00:24:50,549 --> 00:24:47,360

this

720

00:24:53,430 --> 00:24:50,559

took about 35 years of me

721

00:24:55,269 --> 00:24:53,440

doing experiments doing trial and error

722

00:24:57,590 --> 00:24:55,279

studies basically to find out

723

00:24:58,390 --> 00:24:57,600

what were the variables that affected

724

00:25:01,750 --> 00:24:58,400

what

725

00:25:03,269 --> 00:25:01,760

and why did they do that and if i just

726

00:25:04,710 --> 00:25:03,279

had two or three variables

727

00:25:06,630 --> 00:25:04,720

then it would have been a year or two

728

00:25:08,149 --> 00:25:06,640

but when you have

729

00:25:09,750 --> 00:25:08,159

the number of variables goes up the

730

00:25:11,590 --> 00:25:09,760

number of complication

731

00:25:13,350 --> 00:25:11,600

you know the number of possibilities

732

00:25:16,149 --> 00:25:13,360

goes up dramatically

733

00:25:17,830 --> 00:25:16,159

so it took a long time to just be some

734

00:25:20,230 --> 00:25:17,840

examples of these variables

735

00:25:21,269 --> 00:25:20,240

like you said mental state well mental

736

00:25:23,269 --> 00:25:21,279

state would be one

737

00:25:25,110 --> 00:25:23,279

there's lots of various mental states

738

00:25:27,190 --> 00:25:25,120

you can get into

739

00:25:30,710 --> 00:25:27,200

some are more effective than others but

740

00:25:33,990 --> 00:25:32,310

let's say we're doing something like

741

00:25:35,750 --> 00:25:34,000

remote viewing okay if we're going to

742

00:25:36,630 --> 00:25:35,760

remote view and we're going to review

743

00:25:39,029 --> 00:25:36,640

targets

744

00:25:40,070 --> 00:25:39,039

then there one is the is the mental

745

00:25:42,630 --> 00:25:40,080

space that you're in

746

00:25:43,590 --> 00:25:42,640

the attitude the feeling you know these

747

00:25:48,149 --> 00:25:43,600

are all

748

00:25:51,430 --> 00:25:48,159

qualitative um

749

00:25:52,149 --> 00:25:51,440

subjective things so you have a mental

750

00:25:53,990 --> 00:25:52,159

state of

751
00:25:55,909 --> 00:25:54,000
where you're going or your mental state

752
00:25:57,750 --> 00:25:55,919
my mental state where i am what's my

753
00:25:59,510 --> 00:25:57,760
mental state and how do i get there

754
00:26:01,590 --> 00:25:59,520
and it finds out that mental state and

755
00:26:05,269 --> 00:26:01,600
attitude and beliefs

756
00:26:09,590 --> 00:26:05,279
fears all that stuff are part of the

757
00:26:13,269 --> 00:26:11,830
it then you have to look at the various

758
00:26:15,830 --> 00:26:13,279
variables how do you

759
00:26:18,070 --> 00:26:15,840
approach it what tools do you use do you

760
00:26:19,750 --> 00:26:18,080
have the idea that you are uh

761
00:26:21,269 --> 00:26:19,760
like you say there's a camera someplace

762
00:26:22,870 --> 00:26:21,279
is that your metaphor

763
00:26:25,029 --> 00:26:22,880

for what's going on because we just have

764

00:26:26,950 --> 00:26:25,039

to make up metaphors for things because

765

00:26:28,870 --> 00:26:26,960

we don't really understand how they work

766

00:26:29,909 --> 00:26:28,880

so you make up a metaphor okay there's a

767

00:26:32,230 --> 00:26:29,919

camera over there

768

00:26:34,390 --> 00:26:32,240

and i'm gonna see what the camera sees

769

00:26:35,029 --> 00:26:34,400

and now i can scan the camera you know i

770

00:26:38,950 --> 00:26:35,039

get to

771

00:26:41,029 --> 00:26:38,960

ball joint you know so you

772

00:26:42,630 --> 00:26:41,039

we have these metaphors and you can work

773

00:26:43,269 --> 00:26:42,640

through metaphors until the metaphor

774

00:26:46,310 --> 00:26:43,279

doesn't break

775

00:26:49,269 --> 00:26:46,320

breaks doesn't work anymore well

776
00:26:50,070 --> 00:26:49,279
it's not really a camera because these

777
00:26:52,390 --> 00:26:50,080
things you know

778
00:26:53,669 --> 00:26:52,400
the camera wouldn't wouldn't see but i

779
00:26:57,190 --> 00:26:53,679
see those things

780
00:27:00,310 --> 00:26:57,200
so it's just a matter of testing

781
00:27:00,870 --> 00:27:00,320
trying to if you do it enough you start

782
00:27:04,870 --> 00:27:00,880
seeing

783
00:27:08,310 --> 00:27:04,880
work and things that don't

784
00:27:09,029 --> 00:27:08,320
you start seeing similarities between

785
00:27:11,029 --> 00:27:09,039
approaches

786
00:27:12,149 --> 00:27:11,039
between healing and remote viewing and

787
00:27:14,310 --> 00:27:12,159
other things

788
00:27:16,149 --> 00:27:14,320

so i just we stuck with the paranormal

789

00:27:16,789 --> 00:27:16,159

things because those are the evidential

790

00:27:19,350 --> 00:27:16,799

things

791

00:27:19,990 --> 00:27:19,360

and without evidence well you're just

792

00:27:22,310 --> 00:27:20,000

out there

793

00:27:23,510 --> 00:27:22,320

stuff happens and you could be making

794

00:27:25,110 --> 00:27:23,520

all that up you know you could be

795

00:27:28,149 --> 00:27:25,120

dreaming it you need the

796

00:27:29,990 --> 00:27:28,159

you need the evidence to to verify it

797

00:27:32,230 --> 00:27:30,000

so those are the kinds of things just

798

00:27:34,710 --> 00:27:32,240

working with it looking for patterns

799

00:27:35,350 --> 00:27:34,720

looking for structure looking for things

800

00:27:38,230 --> 00:27:35,360

that

801
00:27:39,750 --> 00:27:38,240
seem to always work and trying to figure

802
00:27:43,350 --> 00:27:39,760
out why they worked

803
00:27:45,190 --> 00:27:43,360
so i sat down in in the late 1990s

804
00:27:46,789 --> 00:27:45,200
probably middle to late 1990s and

805
00:27:48,549 --> 00:27:46,799
started to write this thing

806
00:27:50,549 --> 00:27:48,559
and the reason i started writing it up

807
00:27:52,149 --> 00:27:50,559
is because somebody asked me about it

808
00:27:53,909 --> 00:27:52,159
somebody said hey tom you know how does

809
00:27:55,909 --> 00:27:53,919
how does reality work

810
00:27:57,590 --> 00:27:55,919
and i said well i think i could tell you

811
00:27:58,389 --> 00:27:57,600
that and i found out that there are lots

812
00:28:00,549 --> 00:27:58,399
of holes in it

813
00:28:02,870 --> 00:28:00,559

a lot of my thoughts were just fuzzy you

814

00:28:06,710 --> 00:28:02,880

know they weren't really

815

00:28:08,470 --> 00:28:06,720

very sharp they were very fuzzy so

816

00:28:10,070 --> 00:28:08,480

i thought i need to put this down on

817

00:28:12,950 --> 00:28:10,080

paper because writing

818

00:28:15,190 --> 00:28:12,960

forces clarity it's you know a fuzzy

819

00:28:16,070 --> 00:28:15,200

sentence is obvious a fuzzy thought we

820

00:28:17,669 --> 00:28:16,080

just kind of slide

821

00:28:19,669 --> 00:28:17,679

over it and because we think we know

822

00:28:20,549 --> 00:28:19,679

what it means we never notice how fuzzy

823

00:28:22,470 --> 00:28:20,559

it is

824

00:28:25,029 --> 00:28:22,480

so i wrote it down and the writing

825

00:28:27,510 --> 00:28:25,039

process took about five years

826

00:28:28,389 --> 00:28:27,520

and during that time i learned a lot

827

00:28:30,549 --> 00:28:28,399

because i

828

00:28:31,590 --> 00:28:30,559

found a lot of the fuzzy places a lot of

829

00:28:34,230 --> 00:28:31,600

the holes

830

00:28:34,789 --> 00:28:34,240

and i started working on filling them up

831

00:28:38,950 --> 00:28:34,799

you know

832

00:28:41,029 --> 00:28:38,960

really

833

00:28:44,310 --> 00:28:41,039

to fill up those holes better ideas

834

00:28:46,070 --> 00:28:44,320

better models better metaphors

835

00:28:47,750 --> 00:28:46,080

and how many hours per day would you

836

00:28:51,269 --> 00:28:47,760

work approximately on the big toe

837

00:28:53,830 --> 00:28:51,279

on that big toe probably

838

00:28:54,630 --> 00:28:53,840

almost a day's worth probably anywhere

839

00:28:57,190 --> 00:28:54,640

from you know

840

00:28:57,990 --> 00:28:57,200

four on a light day to maybe eight or

841

00:29:00,630 --> 00:28:58,000

nine

842

00:29:01,990 --> 00:29:00,640

on a heavy day and you're still on the

843

00:29:03,510 --> 00:29:02,000

side doing experiments

844

00:29:05,669 --> 00:29:03,520

or you had abandoned that you took a

845

00:29:07,669 --> 00:29:05,679

break just to write out this no no i was

846

00:29:09,269 --> 00:29:07,679

still doing experiments i had i actually

847

00:29:11,029 --> 00:29:09,279

got my experiment and actually

848

00:29:13,430 --> 00:29:11,039

took on more life because now he's

849

00:29:15,510 --> 00:29:13,440

experimenting for very specific

850

00:29:16,630 --> 00:29:15,520

issues not just understanding the big

851
00:29:19,029 --> 00:29:16,640
thing but

852
00:29:20,310 --> 00:29:19,039
you know what's okay here's a problem

853
00:29:23,350 --> 00:29:20,320
there's a logical issue

854
00:29:24,950 --> 00:29:23,360
you know you get from a to b and i can't

855
00:29:26,950 --> 00:29:24,960
express that logically it's like oh a

856
00:29:27,190 --> 00:29:26,960
miracle happened so i'm in a then i'm in

857
00:29:28,710 --> 00:29:27,200
b

858
00:29:30,310 --> 00:29:28,720
well a miracle happens isn't

859
00:29:32,950 --> 00:29:30,320
satisfactory to science

860
00:29:34,389 --> 00:29:32,960
i had to figure out what was the logic

861
00:29:38,389 --> 00:29:34,399
that took me between these

862
00:29:40,549 --> 00:29:38,399
these steps so in any case

863
00:29:42,310 --> 00:29:40,559

i write the book and i learn a lot

864

00:29:44,070 --> 00:29:42,320

because i have to do a lot of research

865

00:29:45,430 --> 00:29:44,080

as i go and a lot of thinking and trying

866

00:29:48,470 --> 00:29:45,440

to find model

867

00:29:49,269 --> 00:29:48,480

and what i ended up doing was i had

868

00:29:53,510 --> 00:29:49,279

these

869

00:29:56,789 --> 00:29:53,520

facts of consciousness that i had come

870

00:29:58,630 --> 00:29:56,799

to think as of facts my research

871

00:30:00,470 --> 00:29:58,640

this is the way it is like one such fact

872

00:30:01,669 --> 00:30:00,480

would be that consciousness is

873

00:30:04,070 --> 00:30:01,679

fundamental

874

00:30:06,789 --> 00:30:04,080

and the physical world is not the

875

00:30:08,389 --> 00:30:06,799

physical world is a subset

876

00:30:10,389 --> 00:30:08,399

okay and the reason i came to that

877

00:30:13,350 --> 00:30:10,399

conclusion is that i could

878

00:30:15,750 --> 00:30:13,360

with my mind modify things in the

879

00:30:17,909 --> 00:30:15,760

physical reality

880

00:30:18,870 --> 00:30:17,919

but i could not do it the other way

881

00:30:20,470 --> 00:30:18,880

around

882

00:30:21,830 --> 00:30:20,480

the physical reality did not

883

00:30:22,950 --> 00:30:21,840

fundamentally change anything in

884

00:30:24,870 --> 00:30:22,960

consciousness but things in

885

00:30:26,789 --> 00:30:24,880

consciousness could fundamentally change

886

00:30:30,149 --> 00:30:26,799

things in the physical world

887

00:30:32,389 --> 00:30:30,159

therefore the flow of causality flowed

888

00:30:34,070 --> 00:30:32,399

from consciousness to the physical

889

00:30:35,430 --> 00:30:34,080

which meant consciousness was the

890

00:30:38,149 --> 00:30:35,440

superset

891

00:30:40,310 --> 00:30:38,159

physical reality was a subset so i

892

00:30:43,830 --> 00:30:40,320

understood that the consciousness

893

00:30:44,549 --> 00:30:43,840

was a fundamental thing the fundamental

894

00:30:46,789 --> 00:30:44,559

thing

895

00:30:48,389 --> 00:30:46,799

and that the physical world was somehow

896

00:30:50,950 --> 00:30:48,399

a subset of that

897

00:30:51,830 --> 00:30:50,960

but the exact somehow wasn't clear yet

898

00:30:55,029 --> 00:30:51,840

so i kept

899

00:30:58,149 --> 00:30:55,039

working on that so i had all of these

900

00:30:58,630 --> 00:30:58,159

facts of consciousness things that i had

901
00:31:01,110 --> 00:30:58,640
done

902
00:31:01,990 --> 00:31:01,120
enough and experimented with enough that

903
00:31:04,470 --> 00:31:02,000
i knew were

904
00:31:05,830 --> 00:31:04,480
real things and of course i had a lot of

905
00:31:07,909 --> 00:31:05,840
facts of the physical because i'm a

906
00:31:09,750 --> 00:31:07,919
physicist and that's what we study

907
00:31:11,190 --> 00:31:09,760
the facts of the physical world how the

908
00:31:13,750 --> 00:31:11,200
physical world works

909
00:31:14,230 --> 00:31:13,760
so i started looking for a model one

910
00:31:17,590 --> 00:31:14,240
model

911
00:31:21,029 --> 00:31:17,600
one elegant not complicated

912
00:31:25,190 --> 00:31:21,039
understanding that would explain

913
00:31:27,830 --> 00:31:25,200

all facts both sides and

914

00:31:28,870 --> 00:31:27,840

eventually i came up with that and that

915

00:31:32,950 --> 00:31:28,880

is what i call

916

00:31:35,990 --> 00:31:32,960

a big toe and it's a big toe because

917

00:31:39,430 --> 00:31:36,000

it not only unifies quantum mechanics

918

00:31:43,430 --> 00:31:39,440

and relativity like a little toe should

919

00:31:45,909 --> 00:31:43,440

but it also explains experience

920

00:31:47,590 --> 00:31:45,919

the subjective world so in other words

921

00:31:48,310 --> 00:31:47,600

you you should be able to take this

922

00:31:51,909 --> 00:31:48,320

model

923

00:31:54,870 --> 00:31:51,919

and take your subjective experiences

924

00:31:56,310 --> 00:31:54,880

and explain them why you end up with

925

00:31:57,750 --> 00:31:56,320

that experience what does that

926
00:31:59,830 --> 00:31:57,760
experience

927
00:32:01,909 --> 00:31:59,840
mean you know it's significance how is

928
00:32:04,070 --> 00:32:01,919
it related to other experiences

929
00:32:06,310 --> 00:32:04,080
so it explains the subjective world as

930
00:32:08,070 --> 00:32:06,320
well as the objective world

931
00:32:10,549 --> 00:32:08,080
yes i can take that theory of

932
00:32:13,590 --> 00:32:10,559
consciousness which actually my book

933
00:32:15,110 --> 00:32:13,600
my big toe trilogy was really more a

934
00:32:17,750 --> 00:32:15,120
theory of consciousness than anything

935
00:32:20,470 --> 00:32:17,760
else though i knew it was the superset

936
00:32:20,870 --> 00:32:20,480
and about two years after i published

937
00:32:24,630 --> 00:32:20,880
that

938
00:32:26,950 --> 00:32:24,640

in 2003

939

00:32:29,350 --> 00:32:26,960

i got the aha moment where i could

940

00:32:30,470 --> 00:32:29,360

derive physics i could derive relativity

941

00:32:32,950 --> 00:32:30,480

in quantum mechanics

942

00:32:33,669 --> 00:32:32,960

from those same ideas i could explain

943

00:32:37,269 --> 00:32:33,679

them

944

00:32:39,029 --> 00:32:37,279

and when i did that you know

945

00:32:41,110 --> 00:32:39,039

quantum mechanics stopped being weird

946

00:32:41,430 --> 00:32:41,120

science and just became logical science

947

00:32:44,230 --> 00:32:41,440

like

948

00:32:45,990 --> 00:32:44,240

any other science it isn't weird it's it

949

00:32:48,389 --> 00:32:46,000

not only turns out to be

950

00:32:49,990 --> 00:32:48,399

logical but it turns out to be necessary

951
00:32:52,630 --> 00:32:50,000
it couldn't be any other way

952
00:32:54,310 --> 00:32:52,640
the only you know the only way that's

953
00:32:57,110 --> 00:32:54,320
going to work is if you describe

954
00:32:58,310 --> 00:32:57,120
particles as probability distributions

955
00:33:00,149 --> 00:32:58,320
that's how you

956
00:33:01,909 --> 00:33:00,159
you see a pro you know see a particle as

957
00:33:02,950 --> 00:33:01,919
a probability distribution it has to be

958
00:33:05,029 --> 00:33:02,960
that way

959
00:33:06,710 --> 00:33:05,039
there's no other way that it could work

960
00:33:10,070 --> 00:33:06,720
and the

961
00:33:10,710 --> 00:33:10,080
relativity is fundamentally driven from

962
00:33:14,230 --> 00:33:10,720
the

963
00:33:17,990 --> 00:33:14,240

constant

964

00:33:21,110 --> 00:33:18,000

is the it's kind of the

965

00:33:25,029 --> 00:33:21,120

the what the mystery

966

00:33:28,630 --> 00:33:25,039

the big mystery in uh relativity theory

967

00:33:31,830 --> 00:33:28,640

if you have that information then

968

00:33:34,070 --> 00:33:31,840

relativity becomes kind of

969

00:33:35,750 --> 00:33:34,080

known i mean the rest of it's just math

970

00:33:37,990 --> 00:33:35,760

but that's the that's kind of the thing

971

00:33:39,750 --> 00:33:38,000

that isn't understood in relativity and

972

00:33:41,990 --> 00:33:39,760

that came out to be just perfectly

973

00:33:45,669 --> 00:33:42,000

obvious too it couldn't be any other way

974

00:33:49,110 --> 00:33:45,679

so i started looking then at the

975

00:33:50,310 --> 00:33:49,120

various paradoxes in physics things that

976
00:33:54,070 --> 00:33:50,320
just don't make sense

977
00:33:55,669 --> 00:33:54,080
like um oh there's a lot of paradoxes in

978
00:33:58,549 --> 00:33:55,679
physics tons of them

979
00:33:59,590 --> 00:33:58,559
all the fundamental things in physics

980
00:34:03,190 --> 00:33:59,600
have no

981
00:34:05,669 --> 00:34:03,200
source basically as physics

982
00:34:06,870 --> 00:34:05,679
understands it now like time where does

983
00:34:09,109 --> 00:34:06,880
time come from

984
00:34:10,869 --> 00:34:09,119
space where did space come from where

985
00:34:12,149 --> 00:34:10,879
does mass come from where does charge

986
00:34:17,430 --> 00:34:12,159
come from

987
00:34:19,190 --> 00:34:17,440
of these all the fundamentals of physics

988
00:34:20,629 --> 00:34:19,200

if you ask a physicist well you know

989

00:34:22,869 --> 00:34:20,639

where's that come from they'll say well

990

00:34:25,430 --> 00:34:22,879

we don't know it just is

991

00:34:26,389 --> 00:34:25,440

so there isn't any good theory that

992

00:34:28,069 --> 00:34:26,399

explains

993

00:34:29,909 --> 00:34:28,079

where all these things come from where

994

00:34:31,270 --> 00:34:29,919

did that ball of plasma and big bang

995

00:34:34,230 --> 00:34:31,280

theory come from

996

00:34:36,310 --> 00:34:34,240

because our universe didn't exist yet it

997

00:34:36,790 --> 00:34:36,320

had to predate our universe well what do

998

00:34:39,109 --> 00:34:36,800

you mean

999

00:34:40,149 --> 00:34:39,119

something that ball of plasma predated

1000

00:34:42,470 --> 00:34:40,159

our universe

1001
00:34:44,069 --> 00:34:42,480
if everything that's real is defined as

1002
00:34:45,829 --> 00:34:44,079
our universe then that's a problem

1003
00:34:47,750 --> 00:34:45,839
that's a paradox

1004
00:34:50,069 --> 00:34:47,760
so there's lots of these paradoxes there

1005
00:34:52,710 --> 00:34:50,079
was the xeno effect which is how you can

1006
00:34:54,550 --> 00:34:52,720
if if you have a atom that goes from

1007
00:34:56,869 --> 00:34:54,560
state a to state b or a system

1008
00:34:58,470 --> 00:34:56,879
on a continuous yeah so if you keep

1009
00:34:59,349 --> 00:34:58,480
measuring it and measuring it never gets

1010
00:35:01,190 --> 00:34:59,359
out of a

1011
00:35:02,470 --> 00:35:01,200
even though normally it would go from a

1012
00:35:04,390 --> 00:35:02,480
to b say in a minute

1013
00:35:05,829 --> 00:35:04,400

you can measure it for all day and if

1014

00:35:08,550 --> 00:35:05,839

you keep measuring it

1015

00:35:11,510 --> 00:35:08,560

close enough then it'll never go to b so

1016

00:35:15,109 --> 00:35:11,520

those kinds of paradoxes all had a very

1017

00:35:17,270 --> 00:35:15,119

straightforward solution i even looked

1018

00:35:19,750 --> 00:35:17,280

at

1019

00:35:21,910 --> 00:35:19,760

chaos theory and could come up with a

1020

00:35:22,790 --> 00:35:21,920

fundamental reason why chaos theory

1021

00:35:24,950 --> 00:35:22,800

works the way it

1022

00:35:25,829 --> 00:35:24,960

works why you have these areas of

1023

00:35:28,630 --> 00:35:25,839

chaotic

1024

00:35:30,630 --> 00:35:28,640

motion let's say in a in a liquid flow

1025

00:35:33,270 --> 00:35:30,640

you know high velocity liquid flow and

1026

00:35:34,870 --> 00:35:33,280

then those areas will kind of get calm

1027

00:35:36,710 --> 00:35:34,880

and then the calmness will float around

1028

00:35:37,750 --> 00:35:36,720

in different areas and other areas will

1029

00:35:41,109 --> 00:35:37,760

erupt into

1030

00:35:43,190 --> 00:35:41,119

into uh you know higher

1031

00:35:45,670 --> 00:35:43,200

higher velocity more chaotic things you

1032

00:35:48,790 --> 00:35:45,680

know so weather patterns and

1033

00:35:49,670 --> 00:35:48,800

and water flow and other chaotic kind of

1034

00:35:51,910 --> 00:35:49,680

events

1035

00:35:53,750 --> 00:35:51,920

and that's not known why does it work

1036

00:35:55,750 --> 00:35:53,760

that and now we know the math

1037

00:35:57,510 --> 00:35:55,760

okay you know you have two differential

1038

00:35:59,589 --> 00:35:57,520

equations

1039

00:36:01,190 --> 00:35:59,599

will uh you know produce that kind of a

1040

00:36:03,510 --> 00:36:01,200

thing but

1041

00:36:05,829 --> 00:36:03,520

why does the world work that way you

1042

00:36:08,710 --> 00:36:05,839

know math doesn't cause reality

1043

00:36:10,470 --> 00:36:08,720

math just models reality you know you

1044

00:36:14,550 --> 00:36:10,480

have to

1045

00:36:17,349 --> 00:36:14,560

cause of things it's just

1046

00:36:17,750 --> 00:36:17,359

a way of modeling it so in any way so

1047

00:36:20,790 --> 00:36:17,760

this

1048

00:36:23,430 --> 00:36:20,800

it turned out that it did drive

1049

00:36:24,870 --> 00:36:23,440

physics reasonably enough and right now

1050

00:36:27,270 --> 00:36:24,880

i have

1051
00:36:28,310 --> 00:36:27,280
a set of quantum mechanics experiments

1052
00:36:33,430 --> 00:36:28,320
that i am

1053
00:36:35,670 --> 00:36:33,440
having done in southern california

1054
00:36:37,349 --> 00:36:35,680
they call it cal poly california

1055
00:36:39,910 --> 00:36:37,359
polytechnical institute

1056
00:36:40,950 --> 00:36:39,920
i have a scientist there who is who's

1057
00:36:42,870 --> 00:36:40,960
doing these for me

1058
00:36:44,950 --> 00:36:42,880
it's taking a long time it's slow but

1059
00:36:45,430 --> 00:36:44,960
it's one guy working part time so it

1060
00:36:48,069 --> 00:36:45,440
just

1061
00:36:48,630 --> 00:36:48,079
takes a long time and these experiments

1062
00:36:51,829 --> 00:36:48,640
will

1063
00:36:55,270 --> 00:36:51,839

produce more evidence that

1064

00:36:58,790 --> 00:36:55,280

reality is not material but is

1065

00:36:59,349 --> 00:36:58,800

is uh information based which is what a

1066

00:37:01,589 --> 00:36:59,359

lot of

1067

00:37:03,670 --> 00:37:01,599

physicists say these days our reality is

1068

00:37:06,950 --> 00:37:03,680

information based

1069

00:37:11,430 --> 00:37:06,960

and it also shows that

1070

00:37:14,470 --> 00:37:11,440

it's it provides evidence that

1071

00:37:16,390 --> 00:37:14,480

consciousness is the computer

1072

00:37:17,750 --> 00:37:16,400

it's information based that means it can

1073

00:37:22,150 --> 00:37:17,760

be calculated

1074

00:37:23,670 --> 00:37:22,160

know where is it calculated what's

1075

00:37:26,790 --> 00:37:23,680

calculating it

1076
00:37:29,670 --> 00:37:26,800
and the answer to that is consciousness

1077
00:37:31,109 --> 00:37:29,680
is the computer so now all of this

1078
00:37:33,349 --> 00:37:31,119
sounds very abstract

1079
00:37:34,310 --> 00:37:33,359
but there is logic that ties it all

1080
00:37:36,870 --> 00:37:34,320
together

1081
00:37:39,670 --> 00:37:36,880
so just you know for your listeners who

1082
00:37:41,589 --> 00:37:39,680
i i assume you tend to be a science guy

1083
00:37:43,109 --> 00:37:41,599
so you're you're listeners who are going

1084
00:37:46,390 --> 00:37:43,119
to be very objective and

1085
00:37:47,030 --> 00:37:46,400
science guys probably um i'm trying to

1086
00:37:50,230 --> 00:37:47,040
give them

1087
00:37:53,109 --> 00:37:50,240
an overview so it was from this

1088
00:37:53,750 --> 00:37:53,119

this perspective of consciousness that i

1089

00:37:56,630 --> 00:37:53,760

ended up

1090

00:37:57,430 --> 00:37:56,640

driving deriving physics and it's a very

1091

00:38:00,470 --> 00:37:57,440

simple

1092

00:38:02,870 --> 00:38:00,480

elegant model it's only got two

1093

00:38:04,710 --> 00:38:02,880

basic assumptions and they're not

1094

00:38:06,950 --> 00:38:04,720

remarkable at all one of them is that

1095

00:38:10,150 --> 00:38:06,960

consciousness exists

1096

00:38:11,349 --> 00:38:10,160

the other one is that uh evolution

1097

00:38:12,870 --> 00:38:11,359

exists

1098

00:38:14,550 --> 00:38:12,880

evolution being that if you have a

1099

00:38:16,630 --> 00:38:14,560

system that's self-changing and if it

1100

00:38:20,470 --> 00:38:16,640

has some

1101
00:38:22,230 --> 00:38:20,480
pressures or some uh what can we say uh

1102
00:38:23,750 --> 00:38:22,240
you know things that it has to do like

1103
00:38:25,109 --> 00:38:23,760
in our physical world that would be

1104
00:38:26,630 --> 00:38:25,119
procreation and survival

1105
00:38:28,710 --> 00:38:26,640
those are the things you need to do

1106
00:38:31,589 --> 00:38:28,720
those are the pressures that you have

1107
00:38:34,150 --> 00:38:31,599
uh so if you have a system with with

1108
00:38:37,109 --> 00:38:34,160
pressures in a certain way it will

1109
00:38:38,150 --> 00:38:37,119
change itself in order to you know

1110
00:38:41,270 --> 00:38:38,160
procreate

1111
00:38:41,829 --> 00:38:41,280
or survive in our physical case or to do

1112
00:38:43,750 --> 00:38:41,839
whatever

1113
00:38:46,069 --> 00:38:43,760

its particular environmental pressures

1114

00:38:49,030 --> 00:38:46,079

are internal and external environment

1115

00:38:50,710 --> 00:38:49,040

so it will tend to satisfy those those

1116

00:38:53,910 --> 00:38:50,720

things

1117

00:38:57,109 --> 00:38:53,920

so that's all from that i can

1118

00:38:59,750 --> 00:38:57,119

pretty much deductively

1119

00:39:00,310 --> 00:38:59,760

create this whole theory from beginning

1120

00:39:02,790 --> 00:39:00,320

to end

1121

00:39:04,150 --> 00:39:02,800

there are no other grand assumptions

1122

00:39:05,910 --> 00:39:04,160

nothing weird no

1123

00:39:07,430 --> 00:39:05,920

no no place where and then a miracle

1124

00:39:10,150 --> 00:39:07,440

happens and you've got

1125

00:39:10,790 --> 00:39:10,160

you know something else going on so

1126
00:39:14,470 --> 00:39:10,800
that's the

1127
00:39:18,470 --> 00:39:14,480
logical it's

1128
00:39:22,390 --> 00:39:18,480
science in the same way that

1129
00:39:24,150 --> 00:39:22,400
say evolution

1130
00:39:25,589 --> 00:39:24,160
you know evolution theory about our

1131
00:39:29,030 --> 00:39:25,599
planet you know you give a

1132
00:39:30,870 --> 00:39:29,040
evolutionist a and he will

1133
00:39:32,470 --> 00:39:30,880
explain to you how that cell evolved

1134
00:39:33,990 --> 00:39:32,480
into all the things we have on the

1135
00:39:36,310 --> 00:39:34,000
planet

1136
00:39:37,270 --> 00:39:36,320
you know given talking about life you

1137
00:39:39,270 --> 00:39:37,280
know biologically right

1138
00:39:40,790 --> 00:39:39,280

we're talking about evolution of life

1139

00:39:41,990 --> 00:39:40,800

not the evolution of rocks but the

1140

00:39:44,230 --> 00:39:42,000

evolution of the living things

1141

00:39:46,310 --> 00:39:44,240

on the planet you give him a living cell

1142

00:39:47,990 --> 00:39:46,320

and he will tell you how that cell was

1143

00:39:49,910 --> 00:39:48,000

just a single-celled thing and then it

1144

00:39:51,109 --> 00:39:49,920

got to be a multiple cell thing and he

1145

00:39:52,950 --> 00:39:51,119

will go on and how it

1146

00:39:54,550 --> 00:39:52,960

diverged and how the environment you

1147

00:39:56,790 --> 00:39:54,560

know allowed these

1148

00:39:58,870 --> 00:39:56,800

these mutations and on and on and on and

1149

00:40:01,750 --> 00:39:58,880

he'll end up with our world

1150

00:40:02,230 --> 00:40:01,760

based on the assumption that the living

1151

00:40:04,550 --> 00:40:02,240

cells

1152

00:40:05,670 --> 00:40:04,560

existed to begin with because the

1153

00:40:07,270 --> 00:40:05,680

biologist is

1154

00:40:08,710 --> 00:40:07,280

a little hard-pressed to say exactly

1155

00:40:10,790 --> 00:40:08,720

where those you know

1156

00:40:12,790 --> 00:40:10,800

where that cell came from although he's

1157

00:40:14,550 --> 00:40:12,800

got a hand-waving argument that says oh

1158

00:40:16,550 --> 00:40:14,560

well you had the right proteins and the

1159

00:40:18,230 --> 00:40:16,560

right amino acids just happened to

1160

00:40:20,150 --> 00:40:18,240

come together in a little maybe

1161

00:40:20,950 --> 00:40:20,160

electrical shock from some lightning or

1162

00:40:23,589 --> 00:40:20,960

something and

1163

00:40:25,430 --> 00:40:23,599

voila you got a living cell but that's a

1164

00:40:27,670 --> 00:40:25,440

hand-waving conjecture argument that's

1165

00:40:28,630 --> 00:40:27,680

not really solid logical argument it's

1166

00:40:30,309 --> 00:40:28,640

like uh

1167

00:40:31,750 --> 00:40:30,319

you know so i do the same thing i can

1168

00:40:32,550 --> 00:40:31,760

start with where did consciousness come

1169

00:40:34,390 --> 00:40:32,560

from

1170

00:40:36,069 --> 00:40:34,400

and i have to start with well

1171

00:40:39,589 --> 00:40:36,079

consciousness started at a

1172

00:40:42,150 --> 00:40:39,599

at its simplest level its simplest level

1173

00:40:44,150 --> 00:40:42,160

is basically an awareness a simple

1174

00:40:47,270 --> 00:40:44,160

awareness that is aware

1175

00:40:48,870 --> 00:40:47,280

that it can be in two different states

1176

00:40:51,030 --> 00:40:48,880

it can be this way and it can be that

1177

00:40:53,589 --> 00:40:51,040

way that's a binary

1178

00:40:55,349 --> 00:40:53,599

that's all that's it that's the that's

1179

00:40:56,150 --> 00:40:55,359

the one cell that the biologists have

1180

00:40:58,630 --> 00:40:56,160

that's my

1181

00:40:59,349 --> 00:40:58,640

consciousness cell if you will and from

1182

00:41:01,750 --> 00:40:59,359

there

1183

00:41:03,430 --> 00:41:01,760

you can just see how you can follow the

1184

00:41:05,510 --> 00:41:03,440

logic of evolution

1185

00:41:07,109 --> 00:41:05,520

and you can build up the nature of

1186

00:41:09,030 --> 00:41:07,119

consciousness consciousness is an

1187

00:41:12,150 --> 00:41:09,040

information system

1188

00:41:13,109 --> 00:41:12,160

consciousness is you know awareness is

1189

00:41:16,150 --> 00:41:13,119

awareness of what

1190

00:41:17,430 --> 00:41:16,160

you're aware of something and as

1191

00:41:20,630 --> 00:41:17,440

something you're aware of

1192

00:41:23,030 --> 00:41:20,640

is can be can be you know seen as

1193

00:41:24,630 --> 00:41:23,040

information is what you're aware of what

1194

00:41:25,910 --> 00:41:24,640

about us that's what we're aware of we

1195

00:41:28,870 --> 00:41:25,920

have five senses

1196

00:41:31,270 --> 00:41:28,880

and our reality is the data we collect

1197

00:41:33,990 --> 00:41:31,280

from those five senses it's information

1198

00:41:34,870 --> 00:41:34,000

so consciousness that is an information

1199

00:41:40,550 --> 00:41:34,880

system

1200

00:41:42,309 --> 00:41:40,560

let's start with a with an information

1201
00:41:43,910 --> 00:41:42,319
well we'll call it information system

1202
00:41:46,870 --> 00:41:43,920
but let's say all of its bits

1203
00:41:48,550 --> 00:41:46,880
are random if all of its bits are random

1204
00:41:50,870 --> 00:41:48,560
there is no information

1205
00:41:52,069 --> 00:41:50,880
that's the highest entropy condition

1206
00:41:55,030 --> 00:41:52,079
that it can be in

1207
00:41:56,069 --> 00:41:55,040
is all of its bits are random no

1208
00:41:58,550 --> 00:41:56,079
information

1209
00:42:00,230 --> 00:41:58,560
if it orders some of those bits and

1210
00:42:03,829 --> 00:42:00,240
particularly if it gives that order

1211
00:42:07,190 --> 00:42:03,839
some meaning then you have information

1212
00:42:07,670 --> 00:42:07,200
is created so information systems evolve

1213
00:42:10,710 --> 00:42:07,680

by

1214

00:42:11,349 --> 00:42:10,720

lowering entropy that's just the nature

1215

00:42:13,030 --> 00:42:11,359

of

1216

00:42:14,710 --> 00:42:13,040

okay we're going to get to the specifics

1217

00:42:16,150 --> 00:42:14,720

the technicalities so you don't know

1218

00:42:17,349 --> 00:42:16,160

this but

1219

00:42:19,430 --> 00:42:17,359

most of the time when i interview

1220

00:42:21,990 --> 00:42:19,440

someone i spend about two weeks prepping

1221

00:42:22,790 --> 00:42:22,000

and for you i spent maybe two months so

1222

00:42:30,069 --> 00:42:22,800

i have

1223

00:42:33,670 --> 00:42:30,079

maybe six five and a half

1224

00:42:36,790 --> 00:42:33,680

pages of questions okay

1225

00:42:38,710 --> 00:42:36,800

all right well that's fine so okay okay

1226

00:42:40,630 --> 00:42:38,720

my first question yeah i'm assuming your

1227

00:42:42,390 --> 00:42:40,640

listeners just don't really

1228

00:42:44,230 --> 00:42:42,400

have any idea who i am and what i'm

1229

00:42:44,550 --> 00:42:44,240

doing right right i'm trying to yeah

1230

00:42:46,550 --> 00:42:44,560

that's

1231

00:42:48,150 --> 00:42:46,560

totally fine a little background but

1232

00:42:50,950 --> 00:42:48,160

okay go ahead with your questions

1233

00:42:53,030 --> 00:42:50,960

well one is that you mentioned that you

1234

00:42:55,270 --> 00:42:53,040

unify relativity and quantum mechanics

1235

00:42:56,710 --> 00:42:55,280

and i i didn't see well i see what

1236

00:42:57,349 --> 00:42:56,720

you're saying is that okay there can be

1237

00:43:09,910 --> 00:42:57,359

a

1238

00:43:12,390 --> 00:43:09,920

know if

1239

00:43:15,030 --> 00:43:12,400

you can yeah okay so there's a couple

1240

00:43:17,109 --> 00:43:15,040

problems in in qft so

1241

00:43:18,069 --> 00:43:17,119

general relativity is non-renormalizable

1242

00:43:20,870 --> 00:43:18,079

and i'm curious

1243

00:43:23,030 --> 00:43:20,880

if there's a way in your theory to

1244

00:43:26,550 --> 00:43:23,040

overcome that

1245

00:43:29,190 --> 00:43:26,560

well you know the way i see general

1246

00:43:30,710 --> 00:43:29,200

relativity is basically you start with

1247

00:43:31,349 --> 00:43:30,720

special relativity which is a very

1248

00:43:34,470 --> 00:43:31,359

simple

1249

00:43:38,150 --> 00:43:34,480

little you know algebra thing and

1250

00:43:42,069 --> 00:43:38,160

then you know we had a model of gravity

1251

00:43:44,470 --> 00:43:42,079

at that point and that was you know

1252

00:43:45,349 --> 00:43:44,480

that the force of gravity is is some

1253

00:43:47,670 --> 00:43:45,359

constant g

1254

00:43:49,270 --> 00:43:47,680

you know times mass one times mass two

1255

00:43:50,309 --> 00:43:49,280

over the square of the distance g m m

1256

00:43:52,309 --> 00:43:50,319

over r squared

1257

00:43:54,150 --> 00:43:52,319

okay that was our model of gravity

1258

00:43:55,589 --> 00:43:54,160

masses attract each other

1259

00:43:57,190 --> 00:43:55,599

but of course there was no real good

1260

00:43:58,069 --> 00:43:57,200

reason why masses should attract each

1261

00:43:59,510 --> 00:43:58,079

other but

1262

00:44:01,670 --> 00:43:59,520

that'd just be one of those things it

1263

00:44:05,349 --> 00:44:01,680

just is in science so

1264

00:44:09,750 --> 00:44:05,359

that was that was gravity and

1265

00:44:11,750 --> 00:44:09,760

once we had special relativity

1266

00:44:12,870 --> 00:44:11,760

distance and time kind of took on a

1267

00:44:15,109 --> 00:44:12,880

different meaning

1268

00:44:16,470 --> 00:44:15,119

and the relationship between them

1269

00:44:18,950 --> 00:44:16,480

started to

1270

00:44:19,910 --> 00:44:18,960

you know obviously there were

1271

00:44:23,430 --> 00:44:19,920

connections

1272

00:44:25,829 --> 00:44:23,440

between distance and time that

1273

00:44:27,270 --> 00:44:25,839

kind of confuses this issue of the

1274

00:44:30,230 --> 00:44:27,280

distance between them

1275

00:44:30,630 --> 00:44:30,240

for gravity so einstein looked for a

1276

00:44:32,710 --> 00:44:30,640

more

1277

00:44:33,829 --> 00:44:32,720

general solution which is general

1278

00:44:38,309 --> 00:44:33,839

relativity

1279

00:44:38,319 --> 00:44:41,910

you know geometry

1280

00:44:45,990 --> 00:44:44,550

of space time so we had space time now

1281

00:44:49,109 --> 00:44:46,000

and space time had

1282

00:44:49,670 --> 00:44:49,119

geometry it was a surface it flowed it

1283

00:44:53,270 --> 00:44:49,680

had

1284

00:44:56,069 --> 00:44:53,280

peaks and dips and gravity were dips

1285

00:44:58,150 --> 00:44:56,079

in the space time so you'd get something

1286

00:44:58,630 --> 00:44:58,160

that got into space time where there was

1287

00:45:00,150 --> 00:44:58,640

a dip

1288

00:45:01,990 --> 00:45:00,160

and you'd slide down the dip to the

1289

00:45:03,670 --> 00:45:02,000

lower energy state

1290

00:45:06,309 --> 00:45:03,680

because things naturally move from the

1291

00:45:08,950 --> 00:45:06,319

higher energy state to the lower energy

1292

00:45:10,710 --> 00:45:08,960

energy state so then we had a whole new

1293

00:45:13,750 --> 00:45:10,720

idea of gravity

1294

00:45:14,390 --> 00:45:13,760

it was warps and changes in spacetime so

1295

00:45:17,990 --> 00:45:14,400

where you have

1296

00:45:19,990 --> 00:45:18,000

mass you have space-time warping you

1297

00:45:21,750 --> 00:45:20,000

know so the you know the old

1298

00:45:23,270 --> 00:45:21,760

metaphor of you know the bowling ball

1299

00:45:26,470 --> 00:45:23,280

and the trampoline

1300

00:45:29,990 --> 00:45:26,480

kind of thing is is what you get so

1301

00:45:33,430 --> 00:45:30,000

he took gravity and turned it into a

1302

00:45:34,950 --> 00:45:33,440

geometric model where he took our

1303

00:45:37,589 --> 00:45:34,960

you know relativity turned that into a

1304

00:45:39,190 --> 00:45:37,599

geometric model and then

1305

00:45:40,870 --> 00:45:39,200

people have ever since been working out

1306

00:45:43,990 --> 00:45:40,880

the logical consequences

1307

00:45:44,550 --> 00:45:44,000

of that you know of that concept in the

1308

00:45:51,589 --> 00:45:44,560

math

1309

00:45:53,829 --> 00:45:51,599

his theory was basically a theory of

1310

00:45:56,390 --> 00:45:53,839

general relativity is really a theory of

1311

00:45:58,550 --> 00:45:56,400

gravity

1312

00:46:00,230 --> 00:45:58,560

in my mind that's it's that's its basic

1313

00:46:03,750 --> 00:46:00,240

thing all right now

1314

00:46:05,670 --> 00:46:03,760

it had some problems and the way i look

1315

00:46:09,109 --> 00:46:05,680

at it from a bigger picture

1316

00:46:12,829 --> 00:46:09,119

both of those models gmm over

1317

00:46:14,390 --> 00:46:12,839

r square and the space time model of

1318

00:46:17,910 --> 00:46:14,400

relativity

1319

00:46:20,950 --> 00:46:17,920

neither model is exactly right

1320

00:46:24,069 --> 00:46:20,960

neither model is without its issues

1321

00:46:26,790 --> 00:46:24,079

both models give you results

1322

00:46:27,430 --> 00:46:26,800

within their own realm of doing things

1323

00:46:30,950 --> 00:46:27,440

within

1324

00:46:33,430 --> 00:46:30,960

with with the faster you know very fast

1325

00:46:34,069 --> 00:46:33,440

speeds of things okay relativistic

1326

00:46:37,829 --> 00:46:34,079

speeds

1327

00:46:40,150 --> 00:46:37,839

and with very tiny things then the

1328

00:46:42,230 --> 00:46:40,160

you know the uh einstein's model made

1329

00:46:46,230 --> 00:46:42,240

more sense because it

1330

00:46:48,069 --> 00:46:46,240

it worked in a larger range of reality

1331

00:46:49,670 --> 00:46:48,079

but they're just different views

1332

00:46:52,390 --> 00:46:49,680

different ways of expressing

1333

00:46:53,910 --> 00:46:52,400

the same thing different models of

1334

00:46:55,589 --> 00:46:53,920

modeling the same thing

1335

00:46:57,910 --> 00:46:55,599

so it's not that one's right and one's

1336

00:47:01,030 --> 00:46:57,920

wrong it's that if you look at it from

1337

00:47:01,510 --> 00:47:01,040

this viewpoint okay from the viewpoint

1338

00:47:03,109 --> 00:47:01,520

where

1339

00:47:05,190 --> 00:47:03,119

things aren't that fast and not that

1340

00:47:08,309 --> 00:47:05,200

small you know from the

1341

00:47:11,430 --> 00:47:08,319

our regular kind of observational world

1342

00:47:14,069 --> 00:47:11,440

well gmm over r square works pretty good

1343

00:47:14,470 --> 00:47:14,079

matter of fact we do a lot of good you

1344

00:47:16,870 --> 00:47:14,480

know

1345

00:47:20,150 --> 00:47:16,880

space exploration mainly based on things

1346

00:47:23,270 --> 00:47:20,160

like that you know it's a good model

1347

00:47:25,750 --> 00:47:23,280

so if you need to worry about the

1348

00:47:28,150 --> 00:47:25,760

high velocities and small things then

1349

00:47:30,470 --> 00:47:28,160

you need something else

1350

00:47:32,150 --> 00:47:30,480

you need quantum mechanics and you need

1351
00:47:33,030 --> 00:47:32,160
and you need relativity for the high

1352
00:47:36,150 --> 00:47:33,040
speeds

1353
00:47:37,030 --> 00:47:36,160
so you know

1354
00:47:40,390 --> 00:47:37,040
both of them are going to have

1355
00:47:43,349 --> 00:47:40,400
limitations i don't see that his model

1356
00:47:46,390 --> 00:47:44,549
you know i don't know i guess we could

1357
00:47:50,150 --> 00:47:46,400
say it's more general

1358
00:47:54,390 --> 00:47:50,160
it's a more general model but it has

1359
00:47:56,390 --> 00:47:54,400
issues but my model is not

1360
00:47:57,750 --> 00:47:56,400
you know i don't worry too much about

1361
00:48:00,470 --> 00:47:57,760
the details

1362
00:48:01,589 --> 00:48:00,480
of the way the you know the logical

1363
00:48:03,750 --> 00:48:01,599

details

1364

00:48:05,349 --> 00:48:03,760

inside the theory i'm one of those

1365

00:48:06,710 --> 00:48:05,359

persnickety equation people that you

1366

00:48:08,549 --> 00:48:06,720

reference in the book

1367

00:48:11,030 --> 00:48:08,559

and that book by the way it's a huge

1368

00:48:13,589 --> 00:48:11,040

book usually i can get through a book in

1369

00:48:14,630 --> 00:48:13,599

well in a certain a quick amount of time

1370

00:48:17,190 --> 00:48:14,640

but then this one

1371

00:48:18,069 --> 00:48:17,200

like i told you i've been listening to

1372

00:48:21,910 --> 00:48:18,079

it primarily

1373

00:48:24,870 --> 00:48:21,920

for two months maybe more yeah well

1374

00:48:25,270 --> 00:48:24,880

it's packed it's packed with information

1375

00:48:27,190 --> 00:48:25,280

yes

1376

00:48:28,710 --> 00:48:27,200

went through all your slides too and

1377

00:48:30,630 --> 00:48:28,720

this was the only slide that i

1378

00:48:32,230 --> 00:48:30,640

couldn't particularly comprehend so at

1379

00:48:33,829 --> 00:48:32,240

one point we're gonna go through this

1380

00:48:37,750 --> 00:48:33,839

and i also wanted to know just as an

1381

00:48:41,190 --> 00:48:39,990

that it's it's aggravating to me to read

1382

00:48:43,349 --> 00:48:41,200

equations no longer in

1383

00:48:44,710 --> 00:48:43,359

latex because i'm so spoiled by the

1384

00:48:48,710 --> 00:48:44,720

beauty i was

1385

00:48:50,950 --> 00:48:48,720

saying i was writing this book for

1386

00:48:52,630 --> 00:48:50,960

everyday joe i wasn't writing it for

1387

00:48:55,750 --> 00:48:52,640

scientists

1388

00:48:56,470 --> 00:48:55,760

to me one of the one of the things that

1389

00:48:57,990 --> 00:48:56,480

this book

1390

00:48:59,670 --> 00:48:58,000

these books were supposed to do is

1391

00:49:02,790 --> 00:48:59,680

provide an on-ramp

1392

00:49:04,150 --> 00:49:02,800

for left brains on exploration yeah

1393

00:49:06,470 --> 00:49:04,160

on-ramp yeah a way

1394

00:49:07,270 --> 00:49:06,480

to get to an on-ramp to the bigger

1395

00:49:10,390 --> 00:49:07,280

picture

1396

00:49:13,349 --> 00:49:10,400

nature of reality from

1397

00:49:13,910 --> 00:49:13,359

from the biggest picture now people with

1398

00:49:16,470 --> 00:49:13,920

that

1399

00:49:18,309 --> 00:49:16,480

live with logical process you know which

1400

00:49:19,270 --> 00:49:18,319

is mostly scientists but not just

1401

00:49:21,190 --> 00:49:19,280

scientists even

1402

00:49:23,670 --> 00:49:21,200

you know carpenters and other people who

1403

00:49:25,990 --> 00:49:23,680

think logically to do what they do

1404

00:49:28,390 --> 00:49:26,000

those kind of left brain people don't

1405

00:49:30,309 --> 00:49:28,400

have an on-ramp to the bigger picture

1406

00:49:32,069 --> 00:49:30,319

there's lots of on-ramps for

1407

00:49:33,829 --> 00:49:32,079

right-brained people who tend to get

1408

00:49:36,950 --> 00:49:33,839

things intuitively

1409

00:49:38,470 --> 00:49:36,960

but logical people can't go there

1410

00:49:39,990 --> 00:49:38,480

you know they they get there and they

1411

00:49:41,910 --> 00:49:40,000

say oh where's the proof

1412

00:49:43,109 --> 00:49:41,920

you know where's the where's the logic

1413

00:49:45,190 --> 00:49:43,119

it's not there and

1414

00:49:46,150 --> 00:49:45,200

if the logic doesn't go then they can't

1415

00:49:48,309 --> 00:49:46,160

go either

1416

00:49:49,829 --> 00:49:48,319

so i wanted to write a book that was for

1417

00:49:52,470 --> 00:49:49,839

the every day

1418

00:49:54,309 --> 00:49:52,480

joe but something that would also

1419

00:49:56,230 --> 00:49:54,319

provide an on-ramp for the guys that

1420

00:49:58,630 --> 00:49:56,240

require logical process

1421

00:49:59,829 --> 00:49:58,640

so that was what i was trying to do was

1422

00:50:01,430 --> 00:49:59,839

a balance between

1423

00:50:03,510 --> 00:50:01,440

all of those things i wasn't writing the

1424

00:50:05,829 --> 00:50:03,520

first physicist i wasn't

1425

00:50:07,750 --> 00:50:05,839

just writing it for you know technical

1426

00:50:11,589 --> 00:50:07,760

people i wanted everybody

1427

00:50:14,710 --> 00:50:11,599

to be able to read it and get it

1428

00:50:15,190 --> 00:50:14,720

so that's the nature of those of those

1429

00:50:18,549 --> 00:50:15,200

books

1430

00:50:21,349 --> 00:50:18,559

but the material is dense if you

1431

00:50:21,910 --> 00:50:21,359

read it quickly you'll miss most of it

1432

00:50:23,750 --> 00:50:21,920

that's

1433

00:50:26,950 --> 00:50:23,760

probably what you found out you got to

1434

00:50:27,670 --> 00:50:26,960

really read it because it is a logical

1435

00:50:29,670 --> 00:50:27,680

flow like

1436

00:50:30,710 --> 00:50:29,680

like math you know you can't just skip

1437

00:50:32,950 --> 00:50:30,720

through a math book

1438

00:50:35,349 --> 00:50:32,960

you can't speed read a math book you got

1439

00:50:37,109 --> 00:50:35,359

to read each thing because that thing

1440

00:50:38,710 --> 00:50:37,119

kind of takes upon the last still yeah

1441

00:50:40,549 --> 00:50:38,720

builds upon the last builds upon the

1442

00:50:42,630 --> 00:50:40,559

next and is going someplace

1443

00:50:45,190 --> 00:50:42,640

and you have to take the whole trip and

1444

00:50:48,069 --> 00:50:45,200

you have to take it slow enough that you

1445

00:50:49,750 --> 00:50:48,079

you don't just intellectually get it but

1446

00:50:50,710 --> 00:50:49,760

you have to get it on a little deeper

1447

00:50:52,390 --> 00:50:50,720

level

1448

00:50:54,390 --> 00:50:52,400

if you just intellectually get it you

1449

00:50:55,030 --> 00:50:54,400

can go through the book on uh-huh uh-huh

1450

00:50:57,109 --> 00:50:55,040

uh-huh

1451
00:50:58,390 --> 00:50:57,119
all the way to the end and you get out

1452
00:51:00,230 --> 00:50:58,400
the other side

1453
00:51:02,390 --> 00:51:00,240
and okay you could discuss it

1454
00:51:03,349 --> 00:51:02,400
intellectually but you don't really get

1455
00:51:04,950 --> 00:51:03,359
it at all

1456
00:51:06,549 --> 00:51:04,960
you don't see the bigger picture you've

1457
00:51:09,910 --> 00:51:06,559
never made the journey you know

1458
00:51:12,069 --> 00:51:09,920
so that's it is a hard book to read

1459
00:51:13,670 --> 00:51:12,079
you know i i've got one one guy who

1460
00:51:15,750 --> 00:51:13,680
wrote to me he said

1461
00:51:17,670 --> 00:51:15,760
he's read the book he read the book once

1462
00:51:19,430 --> 00:51:17,680
and he read it like two or three weeks

1463
00:51:21,190 --> 00:51:19,440

and he realized he didn't understand it

1464

00:51:23,750 --> 00:51:21,200

so now he's reading which one because

1465

00:51:25,750 --> 00:51:23,760

there's three the first one he wrote

1466

00:51:27,190 --> 00:51:25,760

all three in three weeks read all three

1467

00:51:28,710 --> 00:51:27,200

of them in three weeks he's kind of a

1468

00:51:29,510 --> 00:51:28,720

speed reader guy who reads things

1469

00:51:31,030 --> 00:51:29,520

quickly

1470

00:51:32,710 --> 00:51:31,040

and he got to the end of it and he says

1471

00:51:34,950 --> 00:51:32,720

he didn't have any idea what it was all

1472

00:51:36,630 --> 00:51:34,960

about so he went back and now

1473

00:51:39,109 --> 00:51:36,640

at the end on i think this is like his

1474

00:51:40,710 --> 00:51:39,119

third reading he says he reads 10 pages

1475

00:51:44,069 --> 00:51:40,720

a day

1476

00:51:45,670 --> 00:51:44,079

no more and that's his

1477

00:51:47,510 --> 00:51:45,680

that's his limit he says more than 10

1478

00:51:48,950 --> 00:51:47,520

pages i get confused

1479

00:51:50,309 --> 00:51:48,960

there's something efficacious about

1480

00:51:51,829 --> 00:51:50,319

reading a book till the end and not

1481

00:51:52,390 --> 00:51:51,839

getting the full grasp and then going

1482

00:51:53,670 --> 00:51:52,400

back to it

1483

00:51:55,030 --> 00:51:53,680

it's like at least you get the table of

1484

00:51:55,910 --> 00:51:55,040

contents you know where you're going

1485

00:51:57,910 --> 00:51:55,920

yeah and then

1486

00:51:59,430 --> 00:51:57,920

you get the basic big ideas you just

1487

00:51:59,829 --> 00:51:59,440

don't get the understanding so yeah

1488

00:52:02,829 --> 00:51:59,839

there's

1489

00:52:03,670 --> 00:52:02,839

as you go back as long as you go back

1490

00:52:05,990 --> 00:52:03,680

yeah okay

1491

00:52:07,750 --> 00:52:06,000

so i need help with this on-ramp because

1492

00:52:10,950 --> 00:52:07,760

i'm somewhat of a fool

1493

00:52:12,630 --> 00:52:10,960

and i've been i can intellectually

1494

00:52:15,349 --> 00:52:12,640

understand some of it but

1495

00:52:19,190 --> 00:52:15,359

but i'm having a i guess you would say

1496

00:52:20,549 --> 00:52:19,200

i'm having a difficult time

1497

00:52:22,309 --> 00:52:20,559

like like we were talking about i'm

1498

00:52:23,430 --> 00:52:22,319

thinking about equations as well so

1499

00:52:25,589 --> 00:52:23,440

there's some problems

1500

00:52:26,790 --> 00:52:25,599

when someone says they have a small toe

1501

00:52:28,150 --> 00:52:26,800

forget about big right and i'm

1502

00:52:30,390 --> 00:52:28,160

interested in big totally

1503

00:52:31,910 --> 00:52:30,400

100 that's what the channel is about how

1504

00:52:33,349 --> 00:52:31,920

do you explain consciousness free will

1505

00:52:35,510 --> 00:52:33,359

god

1506

00:52:36,710 --> 00:52:35,520

if there's any well also here's the

1507

00:52:37,430 --> 00:52:36,720

interesting question what does an

1508

00:52:40,630 --> 00:52:37,440

explanation

1509

00:52:42,390 --> 00:52:40,640

mathematical equations

1510

00:52:43,910 --> 00:52:42,400

is it as simple as you start with

1511

00:52:46,069 --> 00:52:43,920

assumptions and then derive from there

1512

00:52:47,510 --> 00:52:46,079

like what does an explanation mean well

1513

00:52:48,230 --> 00:52:47,520

that's a difficult question too but

1514

00:52:50,309 --> 00:52:48,240

either way

1515

00:52:51,430 --> 00:52:50,319

i'm interested in the in a huge token

1516

00:52:54,470 --> 00:52:51,440

okay you just told that we

1517

00:52:57,510 --> 00:52:54,480

okay to answer that one the

1518

00:53:00,870 --> 00:52:57,520

mathematics does not explain it

1519

00:53:02,710 --> 00:53:00,880

basically describes

1520

00:53:04,470 --> 00:53:02,720

things don't again mathematics doesn't

1521

00:53:07,349 --> 00:53:04,480

cause things to happen

1522

00:53:08,710 --> 00:53:07,359

well wow whoa all right tom let's play

1523

00:53:10,230 --> 00:53:08,720

with this because that depends if you're

1524

00:53:11,750 --> 00:53:10,240

a politeness some platonist would say

1525

00:53:12,069 --> 00:53:11,760

that's the real world the real world is

1526

00:53:15,829 --> 00:53:12,079

the

1527

00:53:17,030 --> 00:53:15,839

this world is caused from that now

1528

00:53:19,270 --> 00:53:17,040

someone like penrose

1529

00:53:20,870 --> 00:53:19,280

also he doesn't come right out and say

1530

00:53:24,790 --> 00:53:20,880

that but he alludes to it

1531

00:53:27,910 --> 00:53:24,800

well i would be in the idealist camp but

1532

00:53:29,030 --> 00:53:27,920

this world is computed it is a virtual

1533

00:53:32,150 --> 00:53:29,040

reality

1534

00:53:36,630 --> 00:53:32,160

the computer

1535

00:53:38,710 --> 00:53:36,640

okay but it doesn't mean that

1536

00:53:39,990 --> 00:53:38,720

analytical equations is how it's

1537

00:53:41,829 --> 00:53:40,000

computed

1538

00:53:43,589 --> 00:53:41,839

there's computer science too it's like

1539

00:53:44,390 --> 00:53:43,599

uh you know there's a difference between

1540

00:53:46,470 --> 00:53:44,400

uh

1541

00:53:47,829 --> 00:53:46,480

your your guy doing you know you you

1542

00:53:49,270 --> 00:53:47,839

gave me two people that you wanted to

1543

00:53:50,549 --> 00:53:49,280

talk about you know the one guy's doing

1544

00:53:52,790 --> 00:53:50,559

geometry

1545

00:53:54,069 --> 00:53:52,800

and the other guy's doing computer

1546

00:53:56,470 --> 00:53:54,079

processing

1547

00:53:57,589 --> 00:53:56,480

you know he's looking at links and and

1548

00:54:00,710 --> 00:53:57,599

networks

1549

00:54:01,910 --> 00:54:00,720

you know you're looking like you don't

1550

00:54:03,589 --> 00:54:01,920

know what i'm talking about

1551

00:54:05,349 --> 00:54:03,599

uh no what are you talking about i'm

1552

00:54:09,030 --> 00:54:05,359

talking about wolfram

1553

00:54:12,710 --> 00:54:10,870

eric weinstein yeah weinstein and

1554

00:54:14,870 --> 00:54:12,720

wolfram right so one guy's just looking

1555

00:54:16,309 --> 00:54:14,880

at geometry and equations the math

1556

00:54:18,309 --> 00:54:16,319

but the other guy's really looking at

1557

00:54:20,390 --> 00:54:18,319

computer processing

1558

00:54:21,589 --> 00:54:20,400

computation computational stuff it's

1559

00:54:25,109 --> 00:54:21,599

different okay

1560

00:54:27,750 --> 00:54:25,119

so what math does you know

1561

00:54:29,190 --> 00:54:27,760

if if you understand how the reality is

1562

00:54:32,630 --> 00:54:29,200

being computed

1563

00:54:35,910 --> 00:54:32,640

well then yes you you know you have a

1564

00:54:38,950 --> 00:54:35,920

direct you know a direct understanding

1565

00:54:42,470 --> 00:54:38,960

of the algorithms but our reality is

1566

00:54:45,190 --> 00:54:42,480

a couple of things here one math does

1567

00:54:52,549 --> 00:54:48,710

actually explain math

1568

00:54:53,109 --> 00:54:52,559

predicts math describes so let's just

1569

00:54:55,910 --> 00:54:53,119

take a

1570

00:54:57,829 --> 00:54:55,920

a i've got a charge here say a positive

1571

00:55:00,390 --> 00:54:57,839

charge you can't see my hands

1572

00:55:02,069 --> 00:55:00,400

positive charge here and i'm going to

1573

00:55:04,630 --> 00:55:02,079

i'm going to measure

1574

00:55:07,190 --> 00:55:04,640

uh the force that it'll have on a

1575

00:55:09,990 --> 00:55:07,200

negative charge here

1576

00:55:10,789 --> 00:55:10,000

okay now because this is action at a

1577

00:55:13,190 --> 00:55:10,799

distance

1578

00:55:15,190 --> 00:55:13,200

i'm going to say that there's a field a

1579

00:55:18,069 --> 00:55:15,200

magnetic field between them and that

1580

00:55:18,950 --> 00:55:18,079

field then is what interacts with this

1581

00:55:21,349 --> 00:55:18,960

this

1582

00:55:22,470 --> 00:55:21,359

charge appears and pulls it down right

1583

00:55:25,270 --> 00:55:22,480

it's a field thing

1584

00:55:26,069 --> 00:55:25,280

well there are no fields fields are

1585

00:55:29,670 --> 00:55:26,079

imaginary

1586

00:55:31,270 --> 00:55:29,680

fields don't exist in a virtual reality

1587

00:55:33,670 --> 00:55:31,280

you don't need fields all you need is

1588

00:55:36,710 --> 00:55:33,680

the equation that computes the force

1589

00:55:38,549 --> 00:55:36,720

the force is real the field is just

1590

00:55:40,870 --> 00:55:38,559

mathematics that describes the

1591

00:55:42,549 --> 00:55:40,880

experience you see

1592

00:55:43,750 --> 00:55:42,559

it predicts i can predict what this

1593

00:55:44,789 --> 00:55:43,760

force is because i can do the

1594

00:55:47,190 --> 00:55:44,799

mathematics

1595

00:55:48,710 --> 00:55:47,200

but a prediction isn't a cause i can

1596

00:55:49,990 --> 00:55:48,720

predict when the bus is going to come to

1597

00:55:51,750 --> 00:55:50,000

the bus station but

1598

00:55:53,589 --> 00:55:51,760

i don't cause the bus to come to the bus

1599

00:55:57,030 --> 00:55:53,599

station i just can predict it

1600

00:55:59,109 --> 00:55:57,040

so you have to you have to not take the

1601
00:56:00,789 --> 00:55:59,119
math as seriously as most of the

1602
00:56:03,430 --> 00:56:00,799
physicists take the math

1603
00:56:05,510 --> 00:56:03,440
they're trying to describe something if

1604
00:56:07,510 --> 00:56:05,520
their mathematics is not exactly the

1605
00:56:08,470 --> 00:56:07,520
same as the computations that are

1606
00:56:10,870 --> 00:56:08,480
creating it

1607
00:56:12,549 --> 00:56:10,880
and there's a lot of math that's you

1608
00:56:13,030 --> 00:56:12,559
know the analytical math that you think

1609
00:56:15,750 --> 00:56:13,040
of as

1610
00:56:16,069 --> 00:56:15,760
math besides the computational math is

1611
00:56:18,470 --> 00:56:16,079
quite

1612
00:56:19,349 --> 00:56:18,480
different so it's combinations of these

1613
00:56:21,589 --> 00:56:19,359

things

1614

00:56:23,430 --> 00:56:21,599

and now the way the reality actually

1615

00:56:26,309 --> 00:56:23,440

works though this physical reality we

1616

00:56:27,750 --> 00:56:26,319

kind of need to say this otherwise

1617

00:56:30,549 --> 00:56:27,760

you know you're going to get wounded up

1618

00:56:34,309 --> 00:56:30,559

with over the you know over the math

1619

00:56:37,589 --> 00:56:34,319

and that is that you have a rule set

1620

00:56:39,589 --> 00:56:37,599

this virtual reality was created not by

1621

00:56:40,630 --> 00:56:39,599

programmers programming it but it has

1622

00:56:43,670 --> 00:56:40,640

evolved

1623

00:56:44,950 --> 00:56:43,680

it's an evolving thing it started with a

1624

00:56:48,630 --> 00:56:44,960

initial conditions

1625

00:56:51,670 --> 00:56:48,640

was that

1626
00:56:53,349 --> 00:56:51,680
plasma

1627
00:56:55,270 --> 00:56:53,359
high temperature high pressure whatever

1628
00:56:56,390 --> 00:56:55,280
initial conditions and then the run

1629
00:56:59,109 --> 00:56:56,400
button was hit

1630
00:57:00,150 --> 00:56:59,119
and those initial conditions change

1631
00:57:03,030 --> 00:57:00,160
according to the

1632
00:57:04,309 --> 00:57:03,040
rule set now ruleset is what we think of

1633
00:57:07,510 --> 00:57:04,319
as physics

1634
00:57:09,750 --> 00:57:07,520
so that rule set is primarily

1635
00:57:13,270 --> 00:57:09,760
deterministic

1636
00:57:15,750 --> 00:57:13,280
so it has random things in it

1637
00:57:17,349 --> 00:57:15,760
but it's pretty much deterministic with

1638
00:57:18,309 --> 00:57:17,359

some randomness added because some

1639

00:57:21,430 --> 00:57:18,319

events are just

1640

00:57:25,910 --> 00:57:21,440

random as a good description so anyway

1641

00:57:26,630 --> 00:57:25,920

then the world that we're talking about

1642

00:57:30,309 --> 00:57:26,640

is not

1643

00:57:32,309 --> 00:57:30,319

calculated from that rule set

1644

00:57:33,589 --> 00:57:32,319

the world that we experience out here in

1645

00:57:37,109 --> 00:57:33,599

the physical world

1646

00:57:39,190 --> 00:57:37,119

is a probabilistic world because

1647

00:57:40,789 --> 00:57:39,200

calculating everything from the ground

1648

00:57:44,549 --> 00:57:40,799

up starting with quarks

1649

00:57:46,710 --> 00:57:44,559

and working your way up is not

1650

00:57:47,589 --> 00:57:46,720

it's untenable it's untenable it doesn't

1651

00:57:49,589 --> 00:57:47,599

work

1652

00:57:51,510 --> 00:57:49,599

i wouldn't say it's impossible it's just

1653

00:57:52,829 --> 00:57:51,520

there's also at least wolfram would say

1654

00:57:54,870 --> 00:57:52,839

something called computational

1655

00:57:56,309 --> 00:57:54,880

irreducibility which means that even if

1656

00:57:59,589 --> 00:57:56,319

we were to try to compute

1657

00:58:01,030 --> 00:57:59,599

the actions of the next say 10 minutes

1658

00:58:02,470 --> 00:58:01,040

the amount of computational power that

1659

00:58:03,990 --> 00:58:02,480

would be needed would be the size of the

1660

00:58:05,109 --> 00:58:04,000

room or the size of the universe and so

1661

00:58:08,230 --> 00:58:05,119

you can't do it yeah anyway

1662

00:58:09,990 --> 00:58:08,240

just exactly skirting right it's hurting

1663

00:58:11,750 --> 00:58:10,000

you yeah it just doesn't make any sense

1664

00:58:14,309 --> 00:58:11,760

so what happens is that

1665

00:58:15,270 --> 00:58:14,319

the rule set creates the probability

1666

00:58:16,710 --> 00:58:15,280

distributions

1667

00:58:18,870 --> 00:58:16,720

what's the rule set do you mean the

1668

00:58:20,309 --> 00:58:18,880

physical law yeah the physical laws the

1669

00:58:22,309 --> 00:58:20,319

rule set remember we start with initial

1670

00:58:24,230 --> 00:58:22,319

conditions and a rule set yeah

1671

00:58:25,829 --> 00:58:24,240

and we punch the run button and the

1672

00:58:27,589 --> 00:58:25,839

initial conditions change according to a

1673

00:58:30,309 --> 00:58:27,599

rule set we end up with this universe

1674

00:58:31,589 --> 00:58:30,319

okay so it's all just evolving initial

1675

00:58:34,789 --> 00:58:31,599

conditions evolve

1676

00:58:36,150 --> 00:58:34,799

under the rule set and it evolves and

1677

00:58:37,349 --> 00:58:36,160

then we can just pick up with the

1678

00:58:39,190 --> 00:58:37,359

physicist you know the whole thing

1679

00:58:40,470 --> 00:58:39,200

evolves and the biologists and the whole

1680

00:58:43,349 --> 00:58:40,480

thing evolves

1681

00:58:44,710 --> 00:58:43,359

so that's the virtual reality that's how

1682

00:58:47,109 --> 00:58:44,720

it's computed it's computed in

1683

00:58:48,870 --> 00:58:47,119

consciousness it's a simulation

1684

00:58:50,150 --> 00:58:48,880

and it's not it's not that somebody

1685

00:58:52,230 --> 00:58:50,160

programs it so

1686

00:58:53,510 --> 00:58:52,240

if you understand that now when we do

1687

00:58:54,870 --> 00:58:53,520

something here

1688

00:58:56,870 --> 00:58:54,880

let's say we're just going to a good

1689

00:58:58,470 --> 00:58:56,880

example is we fire a cannon simple

1690

00:58:59,109 --> 00:58:58,480

example because cannon's a very simple

1691

00:59:01,270 --> 00:58:59,119

machine

1692

00:59:02,630 --> 00:59:01,280

it's a tube with a ball in it and

1693

00:59:04,789 --> 00:59:02,640

gunpowder behind it you light the

1694

00:59:05,990 --> 00:59:04,799

gunpowder and it increases the pressure

1695

00:59:07,990 --> 00:59:06,000

and out goes the ball

1696

00:59:09,910 --> 00:59:08,000

okay that's simple now if you tried to

1697

00:59:11,750 --> 00:59:09,920

describe that in detail at the

1698

00:59:13,670 --> 00:59:11,760

even the molecular level you couldn't do

1699

00:59:16,150 --> 00:59:13,680

it it'd be too hard

1700

00:59:16,789 --> 00:59:16,160

or it would take a lot of computer thing

1701

00:59:19,030 --> 00:59:16,799

power

1702

00:59:21,030 --> 00:59:19,040

so what you do is you describe it with

1703

00:59:22,950 --> 00:59:21,040

statistics with probability

1704

00:59:24,470 --> 00:59:22,960

and you say okay here's a canon made out

1705

00:59:26,150 --> 00:59:24,480

of certain kinds of material

1706

00:59:28,309 --> 00:59:26,160

you know constructed a certain way the

1707

00:59:29,589 --> 00:59:28,319

barrel isn't really exactly a cylinder

1708

00:59:31,510 --> 00:59:29,599

there's lumps and creases

1709

00:59:32,950 --> 00:59:31,520

in it and the ball isn't precisely a

1710

00:59:34,789 --> 00:59:32,960

sphere it's got

1711

00:59:37,510 --> 00:59:34,799

things in it too and the powder doesn't

1712

00:59:39,349 --> 00:59:37,520

burn particularly whatever so you have

1713

00:59:41,349 --> 00:59:39,359

the cannonball if you fire the cannon 10

1714

00:59:43,030 --> 00:59:41,359

times that ball will not land in exactly

1715

00:59:44,150 --> 00:59:43,040

the same place it'll land in a bunch of

1716

00:59:45,990 --> 00:59:44,160

different places

1717

00:59:47,510 --> 00:59:46,000

it'll produce a pattern that's called a

1718

00:59:50,309 --> 00:59:47,520

you know the dispersion

1719

00:59:52,710 --> 00:59:50,319

of the cannon and you represent that

1720

00:59:55,430 --> 00:59:52,720

with a probability distribution

1721

00:59:57,589 --> 00:59:55,440

now in a virtual reality the and you

1722

00:59:59,270 --> 00:59:57,599

have a war going on with these cannons

1723

01:00:02,150 --> 00:59:59,280

somebody fires a cannon

1724

01:00:04,150 --> 01:00:02,160

and the rendering engine that renders

1725

01:00:06,470 --> 01:00:04,160

the virtual reality goes into that

1726

01:00:07,430 --> 01:00:06,480

that dispersion that probability

1727

01:00:09,910 --> 01:00:07,440

distribution

1728

01:00:11,270 --> 01:00:09,920

randomly picks out something that is

1729

01:00:12,470 --> 01:00:11,280

probable

1730

01:00:13,829 --> 01:00:12,480

that's where it puts the k you know

1731

01:00:15,030 --> 01:00:13,839

possible and that's where it puts the

1732

01:00:18,150 --> 01:00:15,040

cannonball

1733

01:00:21,990 --> 01:00:18,160

you see so you don't have the system

1734

01:00:26,390 --> 01:00:22,000

doesn't have to to model

1735

01:00:28,630 --> 01:00:26,400

the whole process in detail it develops

1736

01:00:29,829 --> 01:00:28,640

probability distributions based on the

1737

01:00:31,750 --> 01:00:29,839

rule set

1738

01:00:33,990 --> 01:00:31,760

and then it can use these probability

1739

01:00:36,470 --> 01:00:34,000

distributions to create

1740

01:00:37,589 --> 01:00:36,480

the canon in the real world so now we

1741

01:00:40,309 --> 01:00:37,599

fire a canon

1742

01:00:43,109 --> 01:00:40,319

and the system just puts a ball at a

1743

01:00:44,950 --> 01:00:43,119

particular place

1744

01:00:46,710 --> 01:00:44,960

okay so an analogy would be fairly

1745

01:00:48,150 --> 01:00:46,720

simple it would be like a video game

1746

01:00:49,829 --> 01:00:48,160

it has a probability distribution like

1747

01:00:50,789 --> 01:00:49,839

think of it like that then just scale it

1748

01:00:53,270 --> 01:00:50,799

up to your experience

1749

01:00:55,270 --> 01:00:53,280

exactly so that's the way it works so

1750

01:00:58,309 --> 01:00:55,280

from from my viewpoint what's going on

1751

01:01:02,150 --> 01:00:58,319

here in our in our physical world in pmr

1752

01:01:04,069 --> 01:01:02,160

okay that's at the probabilistic level

1753

01:01:05,670 --> 01:01:04,079

everything here's what hits me here's

1754

01:01:07,190 --> 01:01:05,680

what hits me right away okay so there's

1755

01:01:08,870 --> 01:01:07,200

the matrix obviously like simulation

1756

01:01:10,069 --> 01:01:08,880

hypothesis and then there's also donald

1757

01:01:12,470 --> 01:01:10,079

hoffman if you've heard of

1758

01:01:14,390 --> 01:01:12,480

yeah it's consciousness theorist okay so

1759

01:01:17,270 --> 01:01:14,400

let's compare and contrast yours

1760

01:01:17,910 --> 01:01:17,280

and the matrix well let's say simulation

1761

01:01:20,549 --> 01:01:17,920

in general

1762

01:01:21,910 --> 01:01:20,559

so simulated reality and then donald

1763

01:01:23,030 --> 01:01:21,920

hoffman so where do you agree and

1764

01:01:27,349 --> 01:01:23,040

disagree with those two

1765

01:01:29,829 --> 01:01:27,359

hypothesis hypotheses uh

1766

01:01:32,230 --> 01:01:29,839

my i also have a you know i would fit

1767

01:01:34,230 --> 01:01:32,240

under a simulation hypothesis too

1768

01:01:35,270 --> 01:01:34,240

my you could put my work into that

1769

01:01:38,150 --> 01:01:35,280

category

1770

01:01:39,510 --> 01:01:38,160

but mine is very different than it's not

1771

01:01:40,710 --> 01:01:39,520

that we're being simulated by higher

1772

01:01:43,430 --> 01:01:40,720

intelligent beings

1773

01:01:44,309 --> 01:01:43,440

right so what happened yeah what

1774

01:01:45,750 --> 01:01:44,319

happened these other

1775

01:01:47,589 --> 01:01:45,760

these other guys doing their their

1776

01:01:50,789 --> 01:01:47,599

virtual realities somebody asked well

1777

01:01:52,950 --> 01:01:50,799

you know who's what's the computer

1778

01:01:54,950 --> 01:01:52,960

who are the programmers and they're

1779

01:01:56,470 --> 01:01:54,960

stuck for an answer

1780

01:01:58,789 --> 01:01:56,480

yeah they don't know you get an infinite

1781

01:02:00,870 --> 01:01:58,799

regress which is illogical

1782

01:02:01,829 --> 01:02:00,880

that doesn't make any sense there is no

1783

01:02:05,349 --> 01:02:01,839

infinite regress

1784

01:02:05,990 --> 01:02:05,359

in physics infinity doesn't really exist

1785

01:02:09,109 --> 01:02:06,000

as a physical

1786

01:02:11,589 --> 01:02:09,119

thing all right so we have i don't but

1787

01:02:12,710 --> 01:02:11,599

okay okay so okay let's just say on this

1788

01:02:16,069 --> 01:02:12,720

path for just this okay

1789

01:02:16,950 --> 01:02:16,079

all right all right so they come up with

1790

01:02:19,589 --> 01:02:16,960

something that's this

1791

01:02:21,510 --> 01:02:19,599

way stretch you know hand waving thing

1792

01:02:22,470 --> 01:02:21,520

it's our future selves or something that

1793

01:02:24,630 --> 01:02:22,480

are doing this

1794

01:02:26,549 --> 01:02:24,640

well that's a pretty that's a pretty

1795

01:02:27,990 --> 01:02:26,559

huge leap you know

1796

01:02:30,630 --> 01:02:28,000

that's one of those in a miracle

1797

01:02:31,430 --> 01:02:30,640

occurred so i don't go there with that

1798

01:02:35,349 --> 01:02:31,440

kind of a big

1799

01:02:37,349 --> 01:02:35,359

big leap so i have

1800

01:02:38,549 --> 01:02:37,359

that uh you know consciousness is the

1801

01:02:40,710 --> 01:02:38,559

computer and i can

1802

01:02:42,309 --> 01:02:40,720

logically explain why consciousness

1803

01:02:43,029 --> 01:02:42,319

would want to make this virtual reality

1804

01:02:44,549 --> 01:02:43,039

you know that's

1805

01:02:46,069 --> 01:02:44,559

that's a lot that's part of the logical

1806

01:02:48,390 --> 01:02:46,079

process that gets

1807

01:02:50,150 --> 01:02:48,400

that will be you know explained and what

1808

01:02:50,710 --> 01:02:50,160

the point of it is and the purpose and

1809

01:02:53,349 --> 01:02:50,720

the whole

1810

01:02:54,230 --> 01:02:53,359

thing comes out very logically but then

1811

01:02:57,109 --> 01:02:54,240

i have this

1812

01:02:58,150 --> 01:02:57,119

reality that isn't computing all the

1813

01:03:01,990 --> 01:02:58,160

details

1814

01:03:04,549 --> 01:03:02,000

it's basically computing probabilities

1815

01:03:05,510 --> 01:03:04,559

and it go it puts as much detail in it

1816

01:03:07,270 --> 01:03:05,520

as it needs

1817

01:03:09,829 --> 01:03:07,280

so if we're taking a measurement and now

1818

01:03:12,789 --> 01:03:09,839

i take my my millimeter wave radar

1819

01:03:13,510 --> 01:03:12,799

and i track that cannonball now it has

1820

01:03:16,870 --> 01:03:13,520

to

1821

01:03:18,789 --> 01:03:16,880

simulate that it only does what it needs

1822

01:03:19,990 --> 01:03:18,799

in order to save on computational power

1823

01:03:22,950 --> 01:03:20,000

or for what reason

1824

01:03:24,710 --> 01:03:22,960

it just does it only does as much detail

1825

01:03:26,069 --> 01:03:24,720

as it needs to do for the measurements

1826

01:03:28,870 --> 01:03:26,079

that are being taken

1827

01:03:30,710 --> 01:03:28,880

so here we are we are the avatars our

1828

01:03:32,789 --> 01:03:30,720

bodies we're the avatars

1829

01:03:33,910 --> 01:03:32,799

who we actually are ourselves we're

1830

01:03:35,510 --> 01:03:33,920

consciousness

1831

01:03:38,230 --> 01:03:35,520

we're an individuated unit of

1832

01:03:41,270 --> 01:03:38,240

consciousness okay we're not the avatar

1833

01:03:43,430 --> 01:03:41,280

the avatar's just the player quick aside

1834

01:03:44,309 --> 01:03:43,440

quick aside come right back we'll come

1835

01:03:46,470 --> 01:03:44,319

right back you said we're an

1836

01:03:48,390 --> 01:03:46,480

individuated unit of consciousness now

1837

01:03:50,470 --> 01:03:48,400

what about some of the proposals that we

1838

01:03:51,029 --> 01:03:50,480

comprise multiple consciousnesses vying

1839

01:03:52,630 --> 01:03:51,039

for

1840

01:03:54,069 --> 01:03:52,640

power so when you split the corpus

1841

01:03:55,910 --> 01:03:54,079

callosum you know that there's two

1842

01:03:57,270 --> 01:03:55,920

and it seems like whenever we get mad

1843

01:03:58,470 --> 01:03:57,280

it's as if that personality that

1844

01:04:00,870 --> 01:03:58,480

consciousness comes out is

1845

01:04:01,990 --> 01:04:00,880

whenever we get let's say anxious it's

1846

01:04:03,109 --> 01:04:02,000

like that one wins

1847

01:04:04,230 --> 01:04:03,119

and it's as if they're their own

1848

01:04:05,190 --> 01:04:04,240

consciousness they're their own little

1849

01:04:08,150 --> 01:04:05,200

personalities

1850

01:04:09,430 --> 01:04:08,160

vying inside our head fighting now how

1851

01:04:10,950 --> 01:04:09,440

do we make sense of that

1852

01:04:12,789 --> 01:04:10,960

when we say that we're a unified

1853

01:04:14,549 --> 01:04:12,799

individual unit of consciousness

1854

01:04:19,829 --> 01:04:14,559

you are an individuated unit of

1855

01:04:23,670 --> 01:04:22,789

you have two ways of processing data and

1856

01:04:25,750 --> 01:04:23,680

this is there's two

1857

01:04:26,870 --> 01:04:25,760

two things two sides to this that i need

1858

01:04:28,630 --> 01:04:26,880

to give you one

1859

01:04:30,230 --> 01:04:28,640

you have two ways of processing data you

1860

01:04:31,750 --> 01:04:30,240

can process data as

1861

01:04:34,150 --> 01:04:31,760

consciousness you are a consciousness

1862

01:04:37,109 --> 01:04:34,160

you process data intellectually

1863

01:04:37,990 --> 01:04:37,119

and you can process data intuitively

1864

01:04:40,309 --> 01:04:38,000

those are two

1865

01:04:41,910 --> 01:04:40,319

different ways that your consciousness

1866

01:04:45,349 --> 01:04:41,920

processes data

1867

01:04:47,349 --> 01:04:45,359

okay now the when you in when you use

1868

01:04:49,589 --> 01:04:47,359

your intellect to process data the major

1869

01:04:52,150 --> 01:04:49,599

tool you use is called logic

1870

01:04:53,750 --> 01:04:52,160

and logic is a very precise tool but the

1871

01:04:55,990 --> 01:04:53,760

problem with using your intellect is

1872

01:04:58,950 --> 01:04:56,000

mostly you don't have enough information

1873

01:05:01,349 --> 01:04:58,960

to make a deductive right you know a

1874

01:05:02,789 --> 01:05:01,359

deduct you could use deductive logic

1875

01:05:04,630 --> 01:05:02,799

because you just don't have enough

1876

01:05:07,589 --> 01:05:04,640

information i agree so

1877

01:05:07,990 --> 01:05:07,599

on the intuitive side so you've got this

1878

01:05:11,670 --> 01:05:08,000

you've got

1879

01:05:13,190 --> 01:05:11,680

this precise tool called logic

1880

01:05:14,789 --> 01:05:13,200

and an intellect but it needs to be

1881

01:05:16,230 --> 01:05:14,799

directed in what direction it doesn't

1882

01:05:20,829 --> 01:05:16,240

have a whole lot of information

1883

01:05:20,839 --> 01:05:25,510

side

1884

01:05:29,829 --> 01:05:28,390

okay thank you so much oh no problem

1885

01:05:31,109 --> 01:05:29,839

yeah no problem at all i

1886

01:05:32,630 --> 01:05:31,119

i've been i've been doing some

1887

01:05:34,390 --> 01:05:32,640

transcendental meditation we can talk

1888

01:05:35,670 --> 01:05:34,400

about that i was

1889

01:05:37,029 --> 01:05:35,680

pretty much just following your advice

1890

01:05:38,710 --> 01:05:37,039

you said try it out for three months i

1891

01:05:42,549 --> 01:05:38,720

think i'm a month and a half into it

1892

01:05:44,789 --> 01:05:42,559

we'll talk about that too okay so okay

1893

01:05:45,670 --> 01:05:44,799

let me work on this so we have the

1894

01:05:47,750 --> 01:05:45,680

intellect and

1895

01:05:50,470 --> 01:05:47,760

and uh we have its logic right but we

1896

01:05:51,990 --> 01:05:50,480

have lousy information for the most part

1897

01:05:53,910 --> 01:05:52,000

very incomplete let's just say

1898

01:05:56,710 --> 01:05:53,920

incomplete ready information

1899

01:05:57,990 --> 01:05:56,720

over on the intuitive side you have your

1900

01:06:01,029 --> 01:05:58,000

your awareness

1901

01:06:01,510 --> 01:06:01,039

okay it's your mind is the tool not the

1902

01:06:05,270 --> 01:06:01,520

logic

1903

01:06:08,549 --> 01:06:05,280

it's your mind it's your awareness and

1904

01:06:09,190 --> 01:06:08,559

that awareness is not the precise tool

1905

01:06:11,029 --> 01:06:09,200

of logic

1906

01:06:13,510 --> 01:06:11,039

it's kind of a ratty tool because that

1907

01:06:16,630 --> 01:06:13,520

awareness has to do with your mind

1908

01:06:18,630 --> 01:06:16,640

being in a productive state not being

1909

01:06:21,589 --> 01:06:18,640

full of thoughts you know it needs to

1910

01:06:25,349 --> 01:06:21,599

focus it needs to have low noise

1911

01:06:27,109 --> 01:06:25,359

it needs to to not be intellectually

1912

01:06:27,430 --> 01:06:27,119

trying to process things the intellect

1913

01:06:29,510 --> 01:06:27,440

will

1914

01:06:30,950 --> 01:06:29,520

get in the way it needs to let that

1915

01:06:34,230 --> 01:06:30,960

intellect go

1916

01:06:34,870 --> 01:06:34,240

so it's over there but it has all the

1917

01:06:41,589 --> 01:06:34,880

data

1918

01:06:47,109 --> 01:06:41,599

precise

1919

01:06:49,510 --> 01:06:47,119

and and and very deep uh amount of data

1920

01:06:51,109 --> 01:06:49,520

but the tool is ratty so you know you

1921

01:06:52,470 --> 01:06:51,119

have these so you have these two sides

1922

01:06:55,109 --> 01:06:52,480

to a person right

1923

01:06:56,150 --> 01:06:55,119

these two things all right now also the

1924

01:06:59,670 --> 01:06:56,160

person has

1925

01:07:01,589 --> 01:06:59,680

fear okay fear is the big problem

1926

01:07:04,150 --> 01:07:01,599

fear is what we're trying to evolve away

1927

01:07:06,150 --> 01:07:04,160

from and i can also logically say that

1928

01:07:08,390 --> 01:07:06,160

you know we say consciousness is

1929

01:07:09,029 --> 01:07:08,400

evolving it evolves to lower entropy

1930

01:07:15,910 --> 01:07:09,039

states

1931

01:07:18,710 --> 01:07:15,920

the same as evolving toward being caring

1932

01:07:20,870 --> 01:07:18,720

being cooperative sharing those sorts of

1933

01:07:21,990 --> 01:07:20,880

things and that is a logical process too

1934

01:07:25,190 --> 01:07:22,000

i can explain

1935

01:07:27,750 --> 01:07:25,200

that as well a lot you know deductively

1936

01:07:29,510 --> 01:07:27,760

so we just have to accept that for now

1937

01:07:31,029 --> 01:07:29,520

until we get to that explanation

1938

01:07:33,029 --> 01:07:31,039

so if you have this the fear is the

1939

01:07:34,549 --> 01:07:33,039

problem and you're trying to evolve

1940

01:07:37,910 --> 01:07:34,559

toward becoming

1941

01:07:40,309 --> 01:07:37,920

love okay so if you have this fear

1942

01:07:41,589 --> 01:07:40,319

this fear creates self-centeredness

1943

01:07:44,950 --> 01:07:41,599

because fear is all about

1944

01:07:47,029 --> 01:07:44,960

you and it you know you so it creates

1945

01:07:51,270 --> 01:07:47,039

self-centeredness it creates

1946

01:07:53,670 --> 01:07:51,280

ego it creates beliefs you

1947

01:07:55,670 --> 01:07:53,680

so you have this fear now you're talking

1948

01:07:57,349 --> 01:07:55,680

about you get angry and suddenly

1949

01:07:58,789 --> 01:07:57,359

well if you didn't have the fear you

1950

01:08:00,870 --> 01:07:58,799

wouldn't get angry

1951

01:08:03,190 --> 01:08:00,880

if you got rid of that ego you wouldn't

1952

01:08:05,190 --> 01:08:03,200

get angry you wouldn't have those things

1953

01:08:07,270 --> 01:08:05,200

so basically you've got part of your

1954

01:08:10,309 --> 01:08:07,280

consciousness that is dysfunctional

1955

01:08:11,670 --> 01:08:10,319

in that it is fear-based and there's

1956

01:08:13,750 --> 01:08:11,680

another part of you that is

1957

01:08:15,430 --> 01:08:13,760

growing up that is caring and

1958

01:08:16,470 --> 01:08:15,440

cooperative and wanting to see bigger

1959

01:08:19,669 --> 01:08:16,480

pictures

1960

01:08:22,390 --> 01:08:19,679

and those two sometimes struggle

1961

01:08:22,789 --> 01:08:22,400

and get in each other's way are those

1962

01:08:24,950 --> 01:08:22,799

two

1963

01:08:26,470 --> 01:08:24,960

different consciousnesses no no no it's

1964

01:08:29,510 --> 01:08:26,480

just all part of the same thing

1965

01:08:31,990 --> 01:08:29,520

it's a consciousness that is not

1966

01:08:33,590 --> 01:08:32,000

very highly evolved it's a consciousness

1967

01:08:35,590 --> 01:08:33,600

that has fear

1968

01:08:37,430 --> 01:08:35,600

so and it has a lot of fear fear

1969

01:08:40,630 --> 01:08:37,440

manifests

1970

01:08:43,669 --> 01:08:40,640

your anger is coming from that fear

1971

01:08:45,829 --> 01:08:43,679

let's say somebody insults you says you

1972

01:08:47,430 --> 01:08:45,839

don't know anything about that you know

1973

01:08:48,870 --> 01:08:47,440

you're the dumbest person i've ever met

1974

01:08:51,669 --> 01:08:48,880

they insult you somehow

1975

01:08:53,189 --> 01:08:51,679

and you get angry about that because

1976

01:08:55,110 --> 01:08:53,199

it's somebody you respect or somebody

1977

01:08:57,669 --> 01:08:55,120

you need to respect like maybe your boss

1978

01:08:59,030 --> 01:08:57,679

or uh someone else so you get that kind

1979

01:09:02,630 --> 01:08:59,040

of an insult

1980

01:09:04,309 --> 01:09:02,640

well if you were completely confident if

1981

01:09:06,390 --> 01:09:04,319

you didn't have any fear

1982

01:09:08,149 --> 01:09:06,400

that info that insult would not trigger

1983

01:09:09,430 --> 01:09:08,159

anything it wouldn't trigger any you

1984

01:09:12,470 --> 01:09:09,440

wouldn't have anger

1985

01:09:15,189 --> 01:09:12,480

you'd be aware that that other person

1986

01:09:16,390 --> 01:09:15,199

is just misunderstanding and instead of

1987

01:09:18,309 --> 01:09:16,400

being angry

1988

01:09:19,510 --> 01:09:18,319

you'd have some compassion and see if

1989

01:09:21,189 --> 01:09:19,520

you couldn't maybe fix that

1990

01:09:22,070 --> 01:09:21,199

misunderstanding that they had rather

1991

01:09:24,309 --> 01:09:22,080

than getting

1992

01:09:25,749 --> 01:09:24,319

angry so it's not that you have two

1993

01:09:27,030 --> 01:09:25,759

different minds and two different

1994

01:09:28,870 --> 01:09:27,040

consciousness you just have a

1995

01:09:32,229 --> 01:09:28,880

consciousness that has

1996

01:09:35,590 --> 01:09:32,239

fear it has beliefs and it has

1997

01:09:38,789 --> 01:09:35,600

ego the ego and the beliefs are both

1998

01:09:40,789 --> 01:09:38,799

created by the fear ego

1999

01:09:41,990 --> 01:09:40,799

is awareness in the service of fear

2000

01:09:43,430 --> 01:09:42,000

that's why you get these different

2001
01:09:44,070 --> 01:09:43,440
things going on if you wouldn't have

2002
01:09:48,149 --> 01:09:44,080
that

2003
01:09:49,669 --> 01:09:48,159
matter of fact this will maybe uh uh

2004
01:09:52,709 --> 01:09:49,679
give you a cause to uh

2005
01:09:53,590 --> 01:09:52,719
to to think differently too if you got

2006
01:09:55,030 --> 01:09:53,600
rid of your fear

2007
01:09:56,630 --> 01:09:55,040
you as consciousness got rid of your

2008
01:09:57,510 --> 01:09:56,640
fear which means you're highly evolved

2009
01:09:59,350 --> 01:09:57,520
now

2010
01:10:01,510 --> 01:09:59,360
you're evolving to get rid of your fear

2011
01:10:03,990 --> 01:10:01,520
so you've gotten rid of your fear

2012
01:10:06,229 --> 01:10:04,000
at that point you don't have a

2013
01:10:09,270 --> 01:10:06,239

subconscious

2014

01:10:11,830 --> 01:10:09,280

you are entirely conscious of everything

2015

01:10:13,110 --> 01:10:11,840

about you everything that happens you

2016

01:10:16,550 --> 01:10:13,120

don't have any hidden

2017

01:10:19,030 --> 01:10:16,560

part there's there's you're your

2018

01:10:19,669 --> 01:10:19,040

sexuality you know your all the other

2019

01:10:21,990 --> 01:10:19,679

things that

2020

01:10:23,669 --> 01:10:22,000

that freud would put into an id that's

2021

01:10:25,270 --> 01:10:23,679

part of the subconscious and so on

2022

01:10:28,149 --> 01:10:25,280

you're aware of all of that

2023

01:10:29,189 --> 01:10:28,159

nothing's written and you don't have any

2024

01:10:31,830 --> 01:10:29,199

buttons to push

2025

01:10:33,030 --> 01:10:31,840

you don't get angry you don't get upset

2026

01:10:36,950 --> 01:10:33,040

you don't even get

2027

01:10:39,110 --> 01:10:36,960

uh stressed okay so you live in a

2028

01:10:40,790 --> 01:10:39,120

you you live in a place of peace and a

2029

01:10:44,310 --> 01:10:40,800

place of joy

2030

01:10:46,310 --> 01:10:44,320

and caring so that's you know

2031

01:10:48,390 --> 01:10:46,320

kind of going to the extreme but the

2032

01:10:52,470 --> 01:10:48,400

subconscious

2033

01:10:55,910 --> 01:10:52,480

mind of freud is really

2034

01:10:58,470 --> 01:10:55,920

a dysfunctional part

2035

01:10:59,990 --> 01:10:58,480

of the consciousness what about carl

2036

01:11:01,750 --> 01:11:00,000

jung because carl jung might say that

2037

01:11:04,550 --> 01:11:01,760

the unconscious comprises

2038

01:11:05,830 --> 01:11:04,560

99 of you and that it's impossible for

2039

01:11:07,590 --> 01:11:05,840

you to ever be

2040

01:11:09,750 --> 01:11:07,600

fully conscious you're always going to

2041

01:11:13,350 --> 01:11:09,760

have a massive amount that's unconscious

2042

01:11:16,709 --> 01:11:13,360

so i defer with jung in that respect

2043

01:11:19,750 --> 01:11:16,719

yeah no well they are having they're

2044

01:11:23,030 --> 01:11:19,760

making a very accurate um

2045

01:11:26,310 --> 01:11:23,040

description of people in general

2046

01:11:28,870 --> 01:11:26,320

people in general have lots of fear

2047

01:11:30,709 --> 01:11:28,880

this this uh this virtual reality of

2048

01:11:32,070 --> 01:11:30,719

ours is a schoolhouse it's an entropy

2049

01:11:35,830 --> 01:11:32,080

reduction trainer

2050

01:11:38,950 --> 01:11:35,840

if you will and most people

2051

01:11:39,990 --> 01:11:38,960

haven't evolved a whole lot so there's

2052

01:11:42,070 --> 01:11:40,000

lots and lots of fear

2053

01:11:43,030 --> 01:11:42,080

so freud looks at it and he says oh ego

2054

01:11:45,430 --> 01:11:43,040

that's a good thing

2055

01:11:47,430 --> 01:11:45,440

everybody needs a healthy ego and carl

2056

01:11:49,030 --> 01:11:47,440

young would say yeah you're never gonna

2057

01:11:51,030 --> 01:11:49,040

you know you're never gonna get to the

2058

01:11:53,430 --> 01:11:51,040

point that you know

2059

01:11:54,870 --> 01:11:53,440

that you don't have the shadow part of

2060

01:11:56,070 --> 01:11:54,880

yourself you know it's always going to

2061

01:11:58,310 --> 01:11:56,080

be a part of you

2062

01:11:59,669 --> 01:11:58,320

well it's not true it doesn't have to

2063

01:12:03,510 --> 01:11:59,679

always be a part of you

2064

01:12:05,430 --> 01:12:03,520

but it is a part of virtually everyone

2065

01:12:08,470 --> 01:12:05,440

because everyone has fear

2066

01:12:11,510 --> 01:12:08,480

and there's very few people that

2067

01:12:13,030 --> 01:12:11,520

ever get rid of all that fear so to make

2068

01:12:14,550 --> 01:12:13,040

an analogy would be like looking at the

2069

01:12:14,950 --> 01:12:14,560

earth and saying all the elements that

2070

01:12:16,149 --> 01:12:14,960

exist

2071

01:12:17,510 --> 01:12:16,159

are the ones that are on the earth but

2072

01:12:19,669 --> 01:12:17,520

they don't realize that you can combine

2073

01:12:21,830 --> 01:12:19,679

them and create some that are rare yeah

2074

01:12:22,709 --> 01:12:21,840

that's just exceptional circumstances

2075

01:12:25,990 --> 01:12:22,719

well freud

2076

01:12:27,590 --> 01:12:26,000

and and young both were

2077

01:12:29,270 --> 01:12:27,600

were experimentalists in a sense they

2078

01:12:30,310 --> 01:12:29,280

looked at people and looked at

2079

01:12:32,709 --> 01:12:30,320

themselves

2080

01:12:34,470 --> 01:12:32,719

and here's what here's what i see here's

2081

01:12:35,510 --> 01:12:34,480

what i see in myself here's what i see

2082

01:12:37,510 --> 01:12:35,520

in other people

2083

01:12:38,790 --> 01:12:37,520

and they're making models based on

2084

01:12:42,790 --> 01:12:38,800

people well

2085

01:12:44,550 --> 01:12:42,800

everybody almost everybody is full of

2086

01:12:46,470 --> 01:12:44,560

fear there may be a few exceptions but

2087

01:12:48,390 --> 01:12:46,480

these are extremely rare people

2088

01:12:50,070 --> 01:12:48,400

so if everybody's full of fear then

2089

01:12:51,830 --> 01:12:50,080

everybody's going to have a shadow

2090

01:12:53,430 --> 01:12:51,840

and if you can't get rid of yours then

2091

01:12:54,390 --> 01:12:53,440

you assume that nobody can get rid of

2092

01:12:56,630 --> 01:12:54,400

theirs either

2093

01:12:57,669 --> 01:12:56,640

so it's it's that sort of a thing it's

2094

01:12:59,830 --> 01:12:57,679

just but it's

2095

01:13:01,669 --> 01:12:59,840

not necessary that's the dysfunctional

2096

01:13:04,790 --> 01:13:01,679

part of us that's the part that

2097

01:13:06,470 --> 01:13:04,800

is causing us trouble makes us angry you

2098

01:13:07,910 --> 01:13:06,480

know it's not another mind it's not like

2099

01:13:09,990 --> 01:13:07,920

there's two minds struggling

2100

01:13:10,950 --> 01:13:10,000

it's just one consciousness trying to

2101

01:13:12,630 --> 01:13:10,960

grow up

2102

01:13:14,390 --> 01:13:12,640

trying to evolve the quality of its

2103

01:13:16,229 --> 01:13:14,400

consciousness

2104

01:13:20,070 --> 01:13:16,239

okay so here's what occurs to me when i

2105

01:13:22,229 --> 01:13:20,080

hear some people they're usually

2106

01:13:23,990 --> 01:13:22,239

more buddhist oriented or more new age

2107

01:13:26,229 --> 01:13:24,000

or spiritual oriented and they

2108

01:13:27,189 --> 01:13:26,239

dislike fear and say that we need to get

2109

01:13:29,350 --> 01:13:27,199

rid of fear

2110

01:13:32,149 --> 01:13:29,360

and i understand that fear can be

2111

01:13:33,750 --> 01:13:32,159

unadaptive but at the same time people

2112

01:13:35,590 --> 01:13:33,760

who don't feel

2113

01:13:37,510 --> 01:13:35,600

well if you don't feel pain let's say

2114

01:13:39,990 --> 01:13:37,520

that's a neurological disorder

2115

01:13:41,750 --> 01:13:40,000

if you don't feel fear fear is actually

2116

01:13:43,830 --> 01:13:41,760

necessary for the consolidation of

2117

01:13:44,790 --> 01:13:43,840

long-term memory for declarative memory

2118

01:13:46,470 --> 01:13:44,800

in particular

2119

01:13:48,310 --> 01:13:46,480

and there are a few patients who just

2120

01:13:49,830 --> 01:13:48,320

have a disorder it would be called a

2121

01:13:51,270 --> 01:13:49,840

disorder because it's unadaptive

2122

01:13:53,189 --> 01:13:51,280

where they don't feel fear and then they

2123

01:13:55,430 --> 01:13:53,199

can't remember much they also

2124

01:13:57,189 --> 01:13:55,440

have no bounds socially they come up to

2125

01:13:58,870 --> 01:13:57,199

your face and talk to your nose to nose

2126
01:14:00,709 --> 01:13:58,880
because they just don't read the cues

2127
01:14:02,870 --> 01:14:00,719
they don't feel the slight social fear

2128
01:14:04,950 --> 01:14:02,880
the slight guilt the slight shame

2129
01:14:06,630 --> 01:14:04,960
and those i see is also tempering

2130
01:14:09,270 --> 01:14:06,640
mechanisms for us to interact

2131
01:14:10,709 --> 01:14:09,280
so when people say eliminate your fear i

2132
01:14:13,110 --> 01:14:10,719
wonder

2133
01:14:14,070 --> 01:14:13,120
if they mean what i'm interpreting them

2134
01:14:17,430 --> 01:14:14,080
to mean

2135
01:14:19,669 --> 01:14:17,440
because it can't be all fear and also

2136
01:14:21,350 --> 01:14:19,679
can't be simply ego based given that

2137
01:14:23,990 --> 01:14:21,360
there's the startle reflex

2138
01:14:24,950 --> 01:14:24,000

there's like that's not under conscious

2139

01:14:27,110 --> 01:14:24,960

control there's

2140

01:14:29,510 --> 01:14:27,120

fear you know getting rid of fear

2141

01:14:32,070 --> 01:14:29,520

doesn't mean that you become stupid

2142

01:14:34,070 --> 01:14:32,080

so somebody might say well if you're not

2143

01:14:35,510 --> 01:14:34,080

afraid then jump off the cliff well no

2144

01:14:38,070 --> 01:14:35,520

i won't jump off the cliff because

2145

01:14:39,430 --> 01:14:38,080

that's stupid you know i

2146

01:14:41,350 --> 01:14:39,440

just because i don't have fear doesn't

2147

01:14:43,030 --> 01:14:41,360

mean i want to die you know well don't

2148

01:14:45,110 --> 01:14:43,040

go out and walk in the woods

2149

01:14:46,070 --> 01:14:45,120

where the grizzly bears are because you

2150

01:14:47,830 --> 01:14:46,080

know you might

2151
01:14:49,430 --> 01:14:47,840
run into one and that would be a problem

2152
01:14:51,590 --> 01:14:49,440
so you don't go out and that fear

2153
01:14:53,430 --> 01:14:51,600
keeps you safe the fear doesn't keep you

2154
01:14:55,350 --> 01:14:53,440
safe the fear

2155
01:14:57,030 --> 01:14:55,360
will always make things worse if you

2156
01:14:57,510 --> 01:14:57,040
have to go out in those woods for some

2157
01:15:00,070 --> 01:14:57,520
reason

2158
01:15:01,990 --> 01:15:00,080
and you have fear you're less likely to

2159
01:15:04,550 --> 01:15:02,000
survive than if you don't

2160
01:15:05,990 --> 01:15:04,560
okay so you don't go out in that woods

2161
01:15:12,229 --> 01:15:06,000
because

2162
01:15:13,750 --> 01:15:12,239
you understand so it's not that fear

2163
01:15:15,669 --> 01:15:13,760

saves people from going out in the woods

2164

01:15:18,790 --> 01:15:15,679

with grizzly bears

2165

01:15:20,390 --> 01:15:18,800

intelligence does that being aware and

2166

01:15:21,910 --> 01:15:20,400

if you have to go out in that woods

2167

01:15:22,709 --> 01:15:21,920

because grandma who lives on the other

2168

01:15:25,350 --> 01:15:22,719

side of the woods

2169

01:15:25,830 --> 01:15:25,360

is having a problem and you need to go

2170

01:15:29,189 --> 01:15:25,840

then

2171

01:15:32,470 --> 01:15:29,199

if you're fearful you will attract bears

2172

01:15:35,510 --> 01:15:32,480

you will attract predators you will do

2173

01:15:36,390 --> 01:15:35,520

exactly the wrong thing you'll run which

2174

01:15:38,790 --> 01:15:36,400

is a prey

2175

01:15:40,310 --> 01:15:38,800

symbol and you will have you just do all

2176

01:15:42,790 --> 01:15:40,320

the wrong things if you

2177

01:15:44,550 --> 01:15:42,800

are intelligent and not afraid well then

2178

01:15:45,590 --> 01:15:44,560

you have come with your pepper spray and

2179

01:15:47,189 --> 01:15:45,600

your air horn

2180

01:15:48,870 --> 01:15:47,199

and you will know whether to stare in

2181

01:15:49,910 --> 01:15:48,880

his eye or to look at the ground you'll

2182

01:15:53,590 --> 01:15:49,920

know whether to run

2183

01:15:56,390 --> 01:15:53,600

or to walk slowly so not being afraid

2184

01:15:57,030 --> 01:15:56,400

is what saves you from the bears it's

2185

01:16:00,229 --> 01:15:57,040

the fear

2186

01:16:02,870 --> 01:16:00,239

is what will kill you we

2187

01:16:04,390 --> 01:16:02,880

we say that people you know are better

2188

01:16:05,669 --> 01:16:04,400

off if they have fear of the bears

2189

01:16:05,990 --> 01:16:05,679

because it keeps them out of the woods

2190

01:16:09,430 --> 01:16:06,000

well

2191

01:16:11,669 --> 01:16:09,440

no you see we're making

2192

01:16:13,669 --> 01:16:11,679

we're assigning the wrong the wrong

2193

01:16:15,669 --> 01:16:13,679

thing to the to the causality there it's

2194

01:16:18,830 --> 01:16:15,679

not the fear that's the thing that's

2195

01:16:20,709 --> 01:16:18,840

that's helping the fear is always a

2196

01:16:23,990 --> 01:16:20,719

problem it's the

2197

01:16:26,630 --> 01:16:24,000

it's the uh intelligent decisions good

2198

01:16:28,550 --> 01:16:26,640

choices making good choices is what

2199

01:16:30,870 --> 01:16:28,560

saves people fear always makes

2200

01:16:33,189 --> 01:16:30,880

everything worse

2201

01:16:35,189 --> 01:16:33,199

so you know you were talking about the

2202

01:16:38,550 --> 01:16:35,199

you know you have this uh

2203

01:16:41,430 --> 01:16:38,560

this automatic response let's say

2204

01:16:42,709 --> 01:16:41,440

a response to fear it's not the fear

2205

01:16:45,110 --> 01:16:42,719

that creates that

2206

01:16:47,030 --> 01:16:45,120

that's part of your instincts you've got

2207

01:16:51,030 --> 01:16:47,040

instincts that are hardwired in your

2208

01:16:53,830 --> 01:16:51,040

in your dna in your system and you get a

2209

01:16:54,870 --> 01:16:53,840

stimulus you'll give a response you know

2210

01:16:57,110 --> 01:16:54,880

the fight flight

2211

01:16:58,550 --> 01:16:57,120

you crush your leg and get a little

2212

01:17:00,310 --> 01:16:58,560

rubber hammer and tap it at the right

2213

01:17:03,030 --> 01:17:00,320

place your leg will shoot up

2214

01:17:04,870 --> 01:17:03,040

that's just because we have instincts we

2215

01:17:07,590 --> 01:17:04,880

have hard wiring

2216

01:17:09,270 --> 01:17:07,600

and that hard wiring will do whatever it

2217

01:17:11,189 --> 01:17:09,280

does it's like an if then statement

2218

01:17:13,750 --> 01:17:11,199

in a computer you know if you trigger it

2219

01:17:15,270 --> 01:17:13,760

it'll you'll get the result

2220

01:17:17,030 --> 01:17:15,280

so you do have those things but they're

2221

01:17:20,950 --> 01:17:17,040

not fear-based

2222

01:17:24,390 --> 01:17:20,960

fear always creates a problem

2223

01:17:28,070 --> 01:17:24,400

you know it's you know we

2224

01:17:28,950 --> 01:17:28,080

you know we don't explain sexuality to

2225

01:17:30,470 --> 01:17:28,960

our

2226

01:17:32,470 --> 01:17:30,480

young people because we think if they're

2227

01:17:33,350 --> 01:17:32,480

afraid of it you know we we scare them

2228

01:17:36,630 --> 01:17:33,360

about it

2229

01:17:39,669 --> 01:17:36,640

so that you know they'll be afraid

2230

01:17:41,590 --> 01:17:39,679

to play with it until they're much older

2231

01:17:42,870 --> 01:17:41,600

so we think that fear will keep them

2232

01:17:45,350 --> 01:17:42,880

safe you know the fear

2233

01:17:46,310 --> 01:17:45,360

is what gets them into trouble knowledge

2234

01:17:49,350 --> 01:17:46,320

will keep them safe

2235

01:17:54,390 --> 01:17:49,360

fear

2236

01:17:57,270 --> 01:17:54,400

so what do you think of the statement

2237

01:18:00,709 --> 01:17:57,280

fear of god as the beginning of wisdom

2238

01:18:04,550 --> 01:18:00,719

well i think that's just wrong it's not

2239

01:18:05,990 --> 01:18:04,560

fear of god you shouldn't be fearing god

2240

01:18:07,830 --> 01:18:06,000

you know we just assume that there's

2241

01:18:09,110 --> 01:18:07,840

such a thing as god just for the sake of

2242

01:18:12,390 --> 01:18:09,120

the conversation

2243

01:18:13,990 --> 01:18:12,400

but fearing is the wrong thing you need

2244

01:18:17,669 --> 01:18:14,000

to understand

2245

01:18:19,910 --> 01:18:17,679

god and and what it means and what that

2246

01:18:21,189 --> 01:18:19,920

is and what the relationship that you

2247

01:18:22,870 --> 01:18:21,199

have is

2248

01:18:25,189 --> 01:18:22,880

and what's expected and what you should

2249

01:18:28,149 --> 01:18:25,199

be doing and if you understand

2250

01:18:29,030 --> 01:18:28,159

all of that then fear is just gets in

2251

01:18:32,149 --> 01:18:29,040

the way

2252

01:18:35,910 --> 01:18:32,159

fear locks you up fear keeps you from

2253

01:18:37,030 --> 01:18:35,920

from being you you know if you fear

2254

01:18:39,510 --> 01:18:37,040

something

2255

01:18:40,709 --> 01:18:39,520

let's say let's take that example so if

2256

01:18:43,110 --> 01:18:40,719

you do things let's say i

2257

01:18:44,950 --> 01:18:43,120

i'm because i fear god i'm going to be

2258

01:18:46,709 --> 01:18:44,960

nice and kind to people because god says

2259

01:18:48,870 --> 01:18:46,719

you should be nice and kind to people

2260

01:18:50,310 --> 01:18:48,880

okay so when i see somebody that you

2261

01:18:51,830 --> 01:18:50,320

know i can be nice to then i'll go over

2262

01:18:56,470 --> 01:18:51,840

and i'll be nice to them

2263

01:19:00,149 --> 01:18:56,480

well that is acting you're acting nice

2264

01:19:02,790 --> 01:19:00,159

because you have fear you're acting nice

2265

01:19:04,550 --> 01:19:02,800

well acting nice is civilizing but it

2266

01:19:07,189 --> 01:19:04,560

doesn't help you grow up any

2267

01:19:08,390 --> 01:19:07,199

you got to be nice and there's a big

2268

01:19:11,510 --> 01:19:08,400

difference between

2269

01:19:12,630 --> 01:19:11,520

acting kind and being kind a huge

2270

01:19:14,790 --> 01:19:12,640

difference

2271

01:19:15,669 --> 01:19:14,800

so the fear perhaps will make you act

2272

01:19:17,830 --> 01:19:15,679

kind

2273

01:19:19,030 --> 01:19:17,840

but though civilizing is not going to

2274

01:19:21,830 --> 01:19:19,040

help you grow up

2275

01:19:23,430 --> 01:19:21,840

it's not who you are you're just acting

2276

01:19:24,950 --> 01:19:23,440

because then some other time when it's

2277

01:19:27,189 --> 01:19:24,960

not convenient that kind

2278

01:19:29,430 --> 01:19:27,199

you won't be kind because you're really

2279

01:19:31,750 --> 01:19:29,440

self-centered and if it's all about you

2280

01:19:34,070 --> 01:19:31,760

you'll be unkind but when anybody's

2281

01:19:35,590 --> 01:19:34,080

looking you'll act kind because

2282

01:19:37,590 --> 01:19:35,600

you want to have a good reputation for

2283

01:19:39,669 --> 01:19:37,600

being a nice guy so you see

2284

01:19:40,790 --> 01:19:39,679

if you're not really kind you haven't

2285

01:19:42,550 --> 01:19:40,800

grown up any

2286

01:19:44,470 --> 01:19:42,560

so that's the thing so the fear of god

2287

01:19:47,510 --> 01:19:44,480

may make you act differently

2288

01:19:48,229 --> 01:19:47,520

but it's not about acting it's about

2289

01:19:50,310 --> 01:19:48,239

being

2290

01:19:52,149 --> 01:19:50,320

and the fear will never make you be

2291

01:19:55,910 --> 01:19:52,159

anything the fear

2292

01:19:58,470 --> 01:19:55,920

can only make you act won't make you

2293

01:20:00,470 --> 01:19:58,480

change who you are it'll make you just

2294

01:20:03,189 --> 01:20:00,480

be

2295

01:20:05,110 --> 01:20:03,199

i don't know what to say duplicitous so

2296

01:20:06,790 --> 01:20:05,120

it creates another problem

2297

01:20:09,030 --> 01:20:06,800

so now you have the problem that you're

2298

01:20:11,350 --> 01:20:09,040

living your image

2299

01:20:12,229 --> 01:20:11,360

not who you are and that'll cause all

2300

01:20:14,070 --> 01:20:12,239

kinds of

2301
01:20:16,149 --> 01:20:14,080
issues you know make you neurotic when

2302
01:20:18,229 --> 01:20:16,159
you aren't in consonance with who you

2303
01:20:21,750 --> 01:20:18,239
really are you're living an image

2304
01:20:25,430 --> 01:20:21,760
so fear is you know

2305
01:20:28,950 --> 01:20:25,440
give me another example of good fear

2306
01:20:30,950 --> 01:20:28,960
well as i was reading your book

2307
01:20:32,629 --> 01:20:30,960
i see plenty of similarities to jordan

2308
01:20:35,189 --> 01:20:32,639
peterson if you're familiar with him at

2309
01:20:38,629 --> 01:20:35,199
all such as an emphasis on individualism

2310
01:20:40,790 --> 01:20:38,639
and the primacy of your experience also

2311
01:20:42,229 --> 01:20:40,800
peterson does say that there's a book

2312
01:20:43,990 --> 01:20:42,239
called ordinary men you should read that

2313
01:20:45,110 --> 01:20:44,000

book and it's about how ordinary people

2314

01:20:46,709 --> 01:20:45,120

can become monsters

2315

01:20:48,229 --> 01:20:46,719

and shoot pregnant women at the back of

2316

01:20:49,430 --> 01:20:48,239

their head even though you're an

2317

01:20:50,709 --> 01:20:49,440

ordinary person he said

2318

01:20:52,550 --> 01:20:50,719

you should read that because you should

2319

01:20:53,030 --> 01:20:52,560

know what your shadow is in the union

2320

01:20:55,430 --> 01:20:53,040

terms

2321

01:20:56,310 --> 01:20:55,440

because then you would become fearful of

2322

01:20:59,270 --> 01:20:56,320

that and then

2323

01:21:01,030 --> 01:20:59,280

you would start to act right now that's

2324

01:21:04,390 --> 01:21:01,040

one aspect that i see you differing

2325

01:21:07,430 --> 01:21:04,400

from peterson yeah right i don't

2326

01:21:10,790 --> 01:21:07,440

again acting right is civilizing but

2327

01:21:13,110 --> 01:21:10,800

being right is growing

2328

01:21:14,790 --> 01:21:13,120

it's becoming it's growing up it's

2329

01:21:15,430 --> 01:21:14,800

becoming something else when you just

2330

01:21:19,510 --> 01:21:15,440

act

2331

01:21:23,030 --> 01:21:19,520

you're not becoming

2332

01:21:23,350 --> 01:21:23,040

better person okay i see that fear now

2333

01:21:26,229 --> 01:21:23,360

i'll

2334

01:21:27,669 --> 01:21:26,239

act better civilizing but not really

2335

01:21:30,070 --> 01:21:27,679

helpful because

2336

01:21:31,110 --> 01:21:30,080

as soon as you get between a rock and a

2337

01:21:34,310 --> 01:21:31,120

hard place

2338

01:21:35,030 --> 01:21:34,320

that acting that image is gonna come

2339

01:21:38,149 --> 01:21:35,040

right off

2340

01:21:40,390 --> 01:21:38,159

it's it's not even skin deep

2341

01:21:42,310 --> 01:21:40,400

it's a suit you wear it's a behavior

2342

01:21:45,430 --> 01:21:42,320

that you that you do

2343

01:21:48,470 --> 01:21:45,440

but it's not really who you are so

2344

01:21:49,830 --> 01:21:48,480

all you're doing is acting nicer

2345

01:21:51,669 --> 01:21:49,840

so yeah you okay you look at this

2346

01:21:53,830 --> 01:21:51,679

horrible thing and now you'll act better

2347

01:21:55,910 --> 01:21:53,840

now that's civilizing but not really

2348

01:21:56,629 --> 01:21:55,920

helpful it doesn't take you any place

2349

01:21:59,590 --> 01:21:56,639

you got to be

2350

01:22:00,310 --> 01:21:59,600

better not just act so if we all had

2351
01:22:02,709 --> 01:22:00,320
this great

2352
01:22:04,070 --> 01:22:02,719
uh you know illusionary persona that we

2353
01:22:05,750 --> 01:22:04,080
carry around with us

2354
01:22:07,270 --> 01:22:05,760
and we all act nice to each other and

2355
01:22:09,430 --> 01:22:07,280
are polite and kind and

2356
01:22:10,870 --> 01:22:09,440
and so on well like i say said civil

2357
01:22:13,270 --> 01:22:10,880
lines that's nice

2358
01:22:14,790 --> 01:22:13,280
but as soon as something horrible

2359
01:22:17,910 --> 01:22:14,800
happens to where now that

2360
01:22:20,550 --> 01:22:17,920
that nice persona you know

2361
01:22:21,750 --> 01:22:20,560
isn't uh isn't functioning for you

2362
01:22:23,430 --> 01:22:21,760
anymore because now you're in a

2363
01:22:24,950 --> 01:22:23,440

life-and-death situation well you're

2364

01:22:26,149 --> 01:22:24,960

going to shoot that pregnant woman

2365

01:22:27,590 --> 01:22:26,159

because that's the only thing that's

2366

01:22:29,350 --> 01:22:27,600

going to save your life because

2367

01:22:30,550 --> 01:22:29,360

somebody else has told you to do that

2368

01:22:31,430 --> 01:22:30,560

and they're going to shoot you if you

2369

01:22:35,030 --> 01:22:31,440

don't

2370

01:22:39,030 --> 01:22:35,040

so you have fear fear of death

2371

01:22:40,070 --> 01:22:39,040

perhaps and you degenerate to what you

2372

01:22:42,550 --> 01:22:40,080

really are

2373

01:22:44,470 --> 01:22:42,560

so when the going gets tough people

2374

01:22:47,270 --> 01:22:44,480

degenerate to what they really are

2375

01:22:47,910 --> 01:22:47,280

what's inside that's why ordinary people

2376

01:22:50,709 --> 01:22:47,920

can do

2377

01:22:51,270 --> 01:22:50,719

horrendous things because they are

2378

01:22:54,709 --> 01:22:51,280

walking

2379

01:22:57,750 --> 01:22:54,719

images they're not really so much

2380

01:23:00,070 --> 01:22:57,760

nice people as they act that way so

2381

01:23:01,910 --> 01:23:00,080

i say that that's the difference yes i

2382

01:23:03,590 --> 01:23:01,920

would disagree with that the whole point

2383

01:23:04,310 --> 01:23:03,600

isn't for us to act better it's for us

2384

01:23:07,750 --> 01:23:04,320

to become

2385

01:23:08,070 --> 01:23:07,760

better yeah okay see let's not harp on

2386

01:23:09,590 --> 01:23:08,080

this

2387

01:23:11,110 --> 01:23:09,600

but i'm trying to make sense of it

2388

01:23:11,590 --> 01:23:11,120

myself so please forgive me if it sounds

2389

01:23:13,430 --> 01:23:11,600

like

2390

01:23:15,669 --> 01:23:13,440

just playing devil's advocate yeah no

2391

01:23:16,870 --> 01:23:15,679

dude you're helping me with that on-ramp

2392

01:23:19,990 --> 01:23:16,880

so

2393

01:23:20,950 --> 01:23:20,000

yeah okay see the way that i see it

2394

01:23:24,070 --> 01:23:20,960

currently

2395

01:23:26,709 --> 01:23:24,080

is that it's not just that you need fear

2396

01:23:27,669 --> 01:23:26,719

you also need pleasure and both are twin

2397

01:23:29,590 --> 01:23:27,679

mechanisms that

2398

01:23:31,030 --> 01:23:29,600

push you forward in a propitious manner

2399

01:23:33,030 --> 01:23:31,040

so in a salutary place

2400

01:23:34,709 --> 01:23:33,040

so let's say you mentioned civilized

2401

01:23:38,629 --> 01:23:34,719

okay how about this

2402

01:23:40,550 --> 01:23:38,639

people who lack guilt who lack shame

2403

01:23:42,229 --> 01:23:40,560

there's a term for them and it's called

2404

01:23:44,790 --> 01:23:42,239

psychopaths and not all

2405

01:23:46,310 --> 01:23:44,800

serial killers kill because of fear in

2406

01:23:46,870 --> 01:23:46,320

fact they kill because it makes them

2407

01:23:48,149 --> 01:23:46,880

feel

2408

01:23:49,990 --> 01:23:48,159

well first of all sometimes it's

2409

01:23:52,310 --> 01:23:50,000

sexually gratifying at least for them

2410

01:23:54,310 --> 01:23:52,320

and then sometimes it increases their

2411

01:23:56,070 --> 01:23:54,320

sense of worth it increases their power

2412

01:23:57,270 --> 01:23:56,080

but i don't see it as they're killing

2413

01:23:58,550 --> 01:23:57,280

because someone's going to kill them

2414

01:23:59,910 --> 01:23:58,560

like the example that you mentioned i

2415

01:24:02,709 --> 01:23:59,920

don't see them killing out of

2416

01:24:04,310 --> 01:24:02,719

fear and i see plenty of harm that can

2417

01:24:05,830 --> 01:24:04,320

be done in the absence of fear

2418

01:24:07,350 --> 01:24:05,840

and i see plenty of good that can be

2419

01:24:08,629 --> 01:24:07,360

done in the presence of fear that's why

2420

01:24:09,830 --> 01:24:08,639

i'm having a difficult time

2421

01:24:11,990 --> 01:24:09,840

with the claims that we need to

2422

01:24:13,830 --> 01:24:12,000

eliminate fear totally okay

2423

01:24:15,910 --> 01:24:13,840

now the person that you see who's

2424

01:24:18,550 --> 01:24:15,920

psychotic and killing or doing something

2425

01:24:20,310 --> 01:24:18,560

horrible out of fear

2426

01:24:21,830 --> 01:24:20,320

not out of fear they are doing that out

2427

01:24:24,390 --> 01:24:21,840

of fear you're not seeing fear

2428

01:24:25,430 --> 01:24:24,400

as a fundamental thing at the core of

2429

01:24:28,709 --> 01:24:25,440

their being

2430

01:24:29,910 --> 01:24:28,719

you're seeing fear in the sense of what

2431

01:24:31,990 --> 01:24:29,920

they're afraid of

2432

01:24:33,669 --> 01:24:32,000

intellectually you're only thinking

2433

01:24:35,990 --> 01:24:33,679

about them as an intellect

2434

01:24:37,510 --> 01:24:36,000

not as a as a consciousness and as

2435

01:24:39,750 --> 01:24:37,520

consciousness has fear

2436

01:24:42,229 --> 01:24:39,760

okay the reason that person is doing

2437

01:24:45,189 --> 01:24:42,239

that killing is because they have

2438

01:24:46,950 --> 01:24:45,199

they have a fear they have a fear of not

2439

01:24:50,229 --> 01:24:46,960

being good enough they have a fear

2440

01:24:52,149 --> 01:24:50,239

of um you know the world uh

2441

01:24:54,709 --> 01:24:52,159

is treating them badly they have a lot

2442

01:24:57,750 --> 01:24:54,719

of self-centeredness it's all about them

2443

01:24:59,590 --> 01:24:57,760

the fear let's say they were you know

2444

01:25:00,229 --> 01:24:59,600

badly treated as a child and that

2445

01:25:04,629 --> 01:25:00,239

creates

2446

01:25:06,629 --> 01:25:04,639

situations that create fear

2447

01:25:07,990 --> 01:25:06,639

they feel like they're they're the

2448

01:25:10,390 --> 01:25:08,000

victim and

2449

01:25:11,110 --> 01:25:10,400

they don't have guilt because they

2450

01:25:13,750 --> 01:25:11,120

justify

2451

01:25:15,910 --> 01:25:13,760

everything in their mind as being okay

2452

01:25:17,669 --> 01:25:15,920

and those aren't real people anyway

2453

01:25:19,030 --> 01:25:17,679

you know so they they do all those

2454

01:25:21,189 --> 01:25:19,040

things and yes that's that's a

2455

01:25:22,870 --> 01:25:21,199

psychopath but it's not because they

2456

01:25:25,430 --> 01:25:22,880

don't have fears because they do have

2457

01:25:26,470 --> 01:25:25,440

fear fear is at the core of all of those

2458

01:25:29,189 --> 01:25:26,480

things matter of fact

2459

01:25:31,110 --> 01:25:29,199

i would say that if you take all of the

2460

01:25:32,950 --> 01:25:31,120

psychiatric you know we have this book

2461

01:25:35,830 --> 01:25:32,960

of psychiatric illnesses

2462

01:25:37,669 --> 01:25:35,840

that are listed and if you take that you

2463

01:25:38,629 --> 01:25:37,679

would find that if you eliminated all

2464

01:25:40,709 --> 01:25:38,639

the ones that were

2465

01:25:42,470 --> 01:25:40,719

basically biological based you know

2466

01:25:42,950 --> 01:25:42,480

don't make enough serotonin or something

2467

01:25:45,110 --> 01:25:42,960

like that

2468

01:25:46,629 --> 01:25:45,120

brain damage if you take all the ones

2469

01:25:50,629 --> 01:25:46,639

that are not

2470

01:25:53,189 --> 01:25:50,639

physical based i'd say that

2471

01:25:54,229 --> 01:25:53,199

almost all of them if not all of them

2472

01:25:56,950 --> 01:25:54,239

are fear-based

2473

01:25:58,070 --> 01:25:56,960

every one of those illnesses is a fear

2474

01:25:59,910 --> 01:25:58,080

at the root

2475

01:26:01,910 --> 01:25:59,920

people are fearful reason people get

2476

01:26:05,830 --> 01:26:01,920

angry is because they feel

2477

01:26:07,189 --> 01:26:05,840

that other they fear that other people

2478

01:26:08,709 --> 01:26:07,199

don't appreciate them they feel that

2479

01:26:10,149 --> 01:26:08,719

other people don't like them or other

2480

01:26:10,790 --> 01:26:10,159

people are going to put them down that

2481

01:26:16,870 --> 01:26:10,800

they

2482

01:26:19,910 --> 01:26:16,880

this fear so when somebody

2483

01:26:21,990 --> 01:26:19,920

says something to them that's an insult

2484

01:26:23,430 --> 01:26:22,000

you know they they roar up because of

2485

01:26:26,629 --> 01:26:23,440

that fear

2486

01:26:30,310 --> 01:26:26,639

or you get the psychopath who kills

2487

01:26:31,830 --> 01:26:30,320

because he had a you know a traumatic

2488

01:26:33,510 --> 01:26:31,840

childhood where his mother

2489

01:26:35,590 --> 01:26:33,520

beat him every day or something and he's

2490

01:26:38,790 --> 01:26:35,600

got this issue with women

2491

01:26:41,110 --> 01:26:38,800

and he's got probably other problems as

2492

01:26:42,709 --> 01:26:41,120

well which may also be biological as

2493

01:26:45,590 --> 01:26:42,719

well as psychological

2494

01:26:46,629 --> 01:26:45,600

but he takes that out the women he's

2495

01:26:49,350 --> 01:26:46,639

killing

2496

01:26:50,870 --> 01:26:49,360

isn't they're not really you know

2497

01:26:52,470 --> 01:26:50,880

they're not really

2498

01:26:54,310 --> 01:26:52,480

women that he's killing he's killing the

2499

01:26:56,229 --> 01:26:54,320

symbol he's killing something

2500

01:26:58,470 --> 01:26:56,239

that is a symbol of his that's causing

2501

01:27:02,229 --> 01:26:58,480

his pain that's what he's doing

2502

01:27:03,669 --> 01:27:02,239

but he's doing that because of fear

2503

01:27:05,830 --> 01:27:03,679

because he's got this so i'm talking

2504

01:27:08,149 --> 01:27:05,840

about fear not just

2505

01:27:10,310 --> 01:27:08,159

being afraid and wanting to run away i'm

2506

01:27:11,830 --> 01:27:10,320

talking about fear is a very fundamental

2507

01:27:14,870 --> 01:27:11,840

dysfunctional thing

2508

01:27:17,910 --> 01:27:14,880

that's at the core of most

2509

01:27:19,750 --> 01:27:17,920

everybody's consciousness and it's the

2510

01:27:21,430 --> 01:27:19,760

thing we need to get rid of

2511

01:27:23,110 --> 01:27:21,440

okay that's somewhat different than what

2512

01:27:24,629 --> 01:27:23,120

i hear from most i don't know what to

2513

01:27:26,310 --> 01:27:24,639

call them but let's say spiritual types

2514

01:27:27,990 --> 01:27:26,320

or new age types or whatever it may be

2515

01:27:29,510 --> 01:27:28,000

that say that we must in its entirety

2516

01:27:31,590 --> 01:27:29,520

eliminate fear

2517

01:27:32,950 --> 01:27:31,600

because the way that you've explicated

2518

01:27:35,189 --> 01:27:32,960

fear is just simply

2519

01:27:37,270 --> 01:27:35,199

what's negative for you and what i see

2520

01:27:39,590 --> 01:27:37,280

as fear is as a specific

2521

01:27:41,030 --> 01:27:39,600

neurological feeling that's separate

2522

01:27:42,470 --> 01:27:41,040

from anxiety because there are different

2523

01:27:45,430 --> 01:27:42,480

neurological pathways for

2524

01:27:46,310 --> 01:27:45,440

anxiety for disgust for rancor for

2525

01:27:48,229 --> 01:27:46,320

resentment

2526

01:27:49,350 --> 01:27:48,239

than there is for fear like you can

2527

01:27:50,870 --> 01:27:49,360

actually well i don't know of any

2528

01:27:52,629 --> 01:27:50,880

studies that have done this but i'm sure

2529

01:27:54,229 --> 01:27:52,639

you can take out one with and

2530

01:27:56,390 --> 01:27:54,239

leave the others alone and experience

2531

01:27:58,229 --> 01:27:56,400

one and leave the others alone as well

2532

01:27:59,669 --> 01:27:58,239

so that's why when you mentioned well

2533

01:28:01,270 --> 01:27:59,679

this person has a bitterness about

2534

01:28:02,629 --> 01:28:01,280

reality i would call that bitterness

2535

01:28:04,629 --> 01:28:02,639

or i would call that rancor i wouldn't

2536

01:28:07,270 --> 01:28:04,639

call that fear

2537

01:28:08,149 --> 01:28:07,280

and this and the rank or come from it

2538

01:28:09,750 --> 01:28:08,159

comes right okay

2539

01:28:11,430 --> 01:28:09,760

right i hear that i hear that plenty

2540

01:28:12,629 --> 01:28:11,440

yeah i hear that plenty and i'm

2541

01:28:14,709 --> 01:28:12,639

i'm having a difficult time

2542

01:28:16,390 --> 01:28:14,719

understanding how that's true

2543

01:28:18,070 --> 01:28:16,400

or how that can be shown to be true

2544

01:28:19,189 --> 01:28:18,080

other than you take psychedelics and

2545

01:28:20,790 --> 01:28:19,199

then the person has some

2546

01:28:21,750 --> 01:28:20,800

breakthrough where they've eliminated

2547

01:28:23,189 --> 01:28:21,760

her and now all of a sudden they're

2548

01:28:26,149 --> 01:28:23,199

acting in a more adaptive manner

2549

01:28:27,590 --> 01:28:26,159

but let's put that aside i guess okay we

2550

01:28:29,430 --> 01:28:27,600

can talk about that another time okay

2551
01:28:30,310 --> 01:28:29,440
okay yeah yeah think about fear as the

2552
01:28:33,750 --> 01:28:30,320
as a

2553
01:28:34,470 --> 01:28:33,760
fundamental creator of all those other

2554
01:28:35,990 --> 01:28:34,480
things

2555
01:28:37,510 --> 01:28:36,000
you know of all those other negative

2556
01:28:38,709 --> 01:28:37,520
things that you're talking about that if

2557
01:28:40,709 --> 01:28:38,719
you didn't have fear

2558
01:28:42,390 --> 01:28:40,719
think of it this way think of a person

2559
01:28:43,350 --> 01:28:42,400
who doesn't have fear think think of a

2560
01:28:46,310 --> 01:28:43,360
person who is

2561
01:28:47,270 --> 01:28:46,320
love now love is about other not about

2562
01:28:50,629 --> 01:28:47,280
self

2563
01:28:52,310 --> 01:28:50,639

there is actually one known patient who

2564

01:28:55,030 --> 01:28:52,320

just couldn't experience fear

2565

01:28:56,229 --> 01:28:55,040

and i think the name's sm046 and she had

2566

01:28:58,390 --> 01:28:56,239

a horrible horrible

2567

01:28:59,270 --> 01:28:58,400

life and it was horrible to people but

2568

01:29:01,830 --> 01:28:59,280

when they say

2569

01:29:03,189 --> 01:29:01,840

couldn't experience fear that doesn't

2570

01:29:06,310 --> 01:29:03,199

mean that she didn't have

2571

01:29:09,110 --> 01:29:06,320

fear it just means that she didn't

2572

01:29:10,070 --> 01:29:09,120

process it she refused to process it she

2573

01:29:13,189 --> 01:29:10,080

refused to act

2574

01:29:17,750 --> 01:29:13,199

on it she refused to experience it

2575

01:29:22,310 --> 01:29:20,070

okay the reason that she can't process

2576

01:29:25,669 --> 01:29:22,320

it is probably because she does

2577

01:29:28,229 --> 01:29:25,679

have a lot of fear can't deal with it

2578

01:29:29,270 --> 01:29:28,239

can't connect to it so she's pushed it

2579

01:29:33,590 --> 01:29:29,280

all away

2580

01:29:36,070 --> 01:29:33,600

and none of that none of that

2581

01:29:37,350 --> 01:29:36,080

bothers her anymore she's just somewhat

2582

01:29:40,629 --> 01:29:37,360

like repression

2583

01:29:42,470 --> 01:29:40,639

get to the point you can repress

2584

01:29:44,229 --> 01:29:42,480

all of that so people can do anything

2585

01:29:45,270 --> 01:29:44,239

you like and you just sit there and

2586

01:29:47,270 --> 01:29:45,280

ignore it because

2587

01:29:49,270 --> 01:29:47,280

you don't really care to even be alive

2588

01:29:52,310 --> 01:29:49,280

anyway you know you just are

2589

01:29:55,830 --> 01:29:52,320

like a robot you've you've no you've

2590

01:29:58,950 --> 01:29:55,840

given up connecting and caring

2591

01:30:00,550 --> 01:29:58,960

and then you're a sociopath well you

2592

01:30:02,470 --> 01:30:00,560

give up connecting and caring because of

2593

01:30:04,790 --> 01:30:02,480

fear

2594

01:30:05,990 --> 01:30:04,800

so yes you can that person would maybe

2595

01:30:08,950 --> 01:30:06,000

have no guilt or have no

2596

01:30:10,870 --> 01:30:08,960

fear but that doesn't mean they don't

2597

01:30:12,709 --> 01:30:10,880

express the fear so when you do

2598

01:30:14,629 --> 01:30:12,719

something scary they don't jump or they

2599

01:30:15,510 --> 01:30:14,639

don't say oh get that spider off my arm

2600

01:30:17,750 --> 01:30:15,520

or anything

2601
01:30:18,950 --> 01:30:17,760
because they're past the point of caring

2602
01:30:21,590 --> 01:30:18,960
about any of that

2603
01:30:23,110 --> 01:30:21,600
and that's because they have fear fear

2604
01:30:23,750 --> 01:30:23,120
and fear and love are the opposite

2605
01:30:26,950 --> 01:30:23,760
things

2606
01:30:29,270 --> 01:30:26,960
okay so love is about other and

2607
01:30:31,270 --> 01:30:29,280
other you know it's how can i help not

2608
01:30:34,550 --> 01:30:31,280
what can i get

2609
01:30:37,830 --> 01:30:34,560
what can i do yeah it's all about giving

2610
01:30:41,110 --> 01:30:37,840
not taking it's a it's about

2611
01:30:43,189 --> 01:30:41,120
uh you know other people

2612
01:30:45,030 --> 01:30:43,199
and it's not that you don't you no

2613
01:30:45,910 --> 01:30:45,040

longer are aware of yourself of course

2614

01:30:50,310 --> 01:30:45,920

you are

2615

01:30:52,310 --> 01:30:50,320

you know it's just that you you

2616

01:30:53,990 --> 01:30:52,320

what makes you happy what motivates you

2617

01:30:57,910 --> 01:30:54,000

what gets you to do things

2618

01:31:00,149 --> 01:30:57,920

what uh what

2619

01:31:02,629 --> 01:31:00,159

makes you uh you know what makes you

2620

01:31:05,270 --> 01:31:02,639

smile is helping

2621

01:31:06,709 --> 01:31:05,280

being a part of other people's solutions

2622

01:31:08,149 --> 01:31:06,719

you care about others

2623

01:31:10,229 --> 01:31:08,159

yeah you still take a shower in the

2624

01:31:12,310 --> 01:31:10,239

morning because you care about yourself

2625

01:31:14,070 --> 01:31:12,320

you know you want to wash the dirt off

2626

01:31:16,790 --> 01:31:14,080

but it's that's not your primary

2627

01:31:18,629 --> 01:31:16,800

motivator in life as opposed to your

2628

01:31:21,910 --> 01:31:18,639

primary motivator being

2629

01:31:22,550 --> 01:31:21,920

about you so that's the thing if you

2630

01:31:27,350 --> 01:31:22,560

don't have

2631

01:31:29,350 --> 01:31:27,360

fear then you don't get angry

2632

01:31:30,709 --> 01:31:29,360

and the reason that you will probably

2633

01:31:33,430 --> 01:31:30,719

also never have guilt

2634

01:31:34,070 --> 01:31:33,440

is because you'll never do anything to

2635

01:31:35,990 --> 01:31:34,080

ever

2636

01:31:37,910 --> 01:31:36,000

feel guilty about because you care about

2637

01:31:38,950 --> 01:31:37,920

people you feel guilty when you do

2638

01:31:41,350 --> 01:31:38,960

something

2639

01:31:42,830 --> 01:31:41,360

you know rude to somebody else well you

2640

01:31:46,229 --> 01:31:42,840

do that because of

2641

01:31:48,709 --> 01:31:46,239

fear so it's a it's just a matter of

2642

01:31:49,910 --> 01:31:48,719

you know you're seeing it on a you're

2643

01:31:53,590 --> 01:31:49,920

seeing the results

2644

01:31:56,950 --> 01:31:53,600

of having fear and naming those results

2645

01:31:59,910 --> 01:31:56,960

as things in themselves rather than as

2646

01:32:00,470 --> 01:31:59,920

creations of fear so i'm reducing it to

2647

01:32:02,950 --> 01:32:00,480

two

2648

01:32:04,790 --> 01:32:02,960

fundamental aspects of being and that's

2649

01:32:08,229 --> 01:32:04,800

fear and love

2650

01:32:09,750 --> 01:32:08,239

and you can everything else all the rest

2651
01:32:12,550 --> 01:32:09,760
of psychology

2652
01:32:13,350 --> 01:32:12,560
can be explained in terms of just those

2653
01:32:15,270 --> 01:32:13,360
things

2654
01:32:18,229 --> 01:32:15,280
of fear and love and you can see how the

2655
01:32:20,070 --> 01:32:18,239
fear creates all these other conditions

2656
01:32:21,669 --> 01:32:20,080
that you does the fear come from the

2657
01:32:22,310 --> 01:32:21,679
intellect and love comes from the

2658
01:32:24,470 --> 01:32:22,320
intuitive

2659
01:32:26,550 --> 01:32:24,480
part of you or no it's not like that at

2660
01:32:28,550 --> 01:32:26,560
all that fear is a part of you it's also

2661
01:32:29,669 --> 01:32:28,560
down at your core it's part of your

2662
01:32:32,149 --> 01:32:29,679
intuitive self it's

2663
01:32:33,590 --> 01:32:32,159

it's part of your consciousness your

2664

01:32:36,629 --> 01:32:33,600

consciousness

2665

01:32:39,510 --> 01:32:36,639

is trying to evolve

2666

01:32:40,229 --> 01:32:39,520

out of its fear it's trying to grow up

2667

01:32:42,709 --> 01:32:40,239

okay

2668

01:32:44,709 --> 01:32:42,719

that's the dysfunctional part that's the

2669

01:32:46,629 --> 01:32:44,719

that's the random bits

2670

01:32:47,830 --> 01:32:46,639

it's okay when you say my consciousness

2671

01:32:49,669 --> 01:32:47,840

it's a bit of a strange

2672

01:32:51,110 --> 01:32:49,679

phrase because it's like i'm not my

2673

01:32:53,669 --> 01:32:51,120

consciousness it's almost as if

2674

01:32:55,110 --> 01:32:53,679

it's a separate item like this cup so do

2675

01:32:56,229 --> 01:32:55,120

you mean to say like that or is it just

2676

01:32:59,270 --> 01:32:56,239

a useful way of

2677

01:33:00,629 --> 01:32:59,280

because almost everybody thinks that

2678

01:33:02,870 --> 01:33:00,639

they're their body

2679

01:33:03,910 --> 01:33:02,880

yeah i see it i see if i talk about

2680

01:33:07,350 --> 01:33:03,920

consciousness

2681

01:33:09,350 --> 01:33:07,360

big something in the sky

2682

01:33:10,709 --> 01:33:09,360

but your consciousness basically is what

2683

01:33:12,950 --> 01:33:10,719

you are if

2684

01:33:14,629 --> 01:33:12,960

if you thought of your body as an avatar

2685

01:33:15,990 --> 01:33:14,639

and you were consciousness then i could

2686

01:33:18,629 --> 01:33:16,000

just say you

2687

01:33:20,149 --> 01:33:18,639

well you have this you have that but

2688

01:33:20,790 --> 01:33:20,159

most people don't think that way they

2689

01:33:23,669 --> 01:33:20,800

think of

2690

01:33:25,270 --> 01:33:23,679

me as the body right so i say your

2691

01:33:28,229 --> 01:33:25,280

consciousness because of

2692

01:33:29,189 --> 01:33:28,239

because of that so okay so sorry to go

2693

01:33:30,550 --> 01:33:29,199

back you're saying that

2694

01:33:32,310 --> 01:33:30,560

fear is a deep part of one's

2695

01:33:32,870 --> 01:33:32,320

consciousness and it needs to be there

2696

01:33:34,870 --> 01:33:32,880

because

2697

01:33:37,030 --> 01:33:34,880

it's trying to evolve it doesn't need to

2698

01:33:39,270 --> 01:33:37,040

be there it just is there

2699

01:33:40,870 --> 01:33:39,280

it's there because you because the

2700

01:33:44,149 --> 01:33:40,880

conscious hasn't evolved

2701
01:33:46,950 --> 01:33:44,159
yet consciousness comes in potential

2702
01:33:47,750 --> 01:33:46,960
it has potential to do things okay it's

2703
01:33:50,149 --> 01:33:47,760
an awareness

2704
01:33:51,830 --> 01:33:50,159
it makes choices it has the potential to

2705
01:33:53,110 --> 01:33:51,840
make good choices a potential to make

2706
01:33:55,830 --> 01:33:53,120
bad choices

2707
01:33:56,310 --> 01:33:55,840
so it is mostly potential and until it

2708
01:33:58,629 --> 01:33:56,320
has

2709
01:33:59,590 --> 01:33:58,639
experience that potential is just his

2710
01:34:02,550 --> 01:33:59,600
potential

2711
01:34:03,189 --> 01:34:02,560
it has experience by making choices and

2712
01:34:06,470 --> 01:34:03,199
if it makes

2713
01:34:07,590 --> 01:34:06,480

choices that are toward caring and

2714

01:34:10,149 --> 01:34:07,600

kindness and love

2715

01:34:10,950 --> 01:34:10,159

then you know it's evolving if it makes

2716

01:34:14,149 --> 01:34:10,960

choices

2717

01:34:16,310 --> 01:34:14,159

that are self-centered and and you know

2718

01:34:18,149 --> 01:34:16,320

mean-spirited and that sort of thing

2719

01:34:20,629 --> 01:34:18,159

then it de-evolves

2720

01:34:21,750 --> 01:34:20,639

so consciousness has potential now you

2721

01:34:25,110 --> 01:34:21,760

take consciousness

2722

01:34:27,830 --> 01:34:25,120

as it existed originally in

2723

01:34:29,990 --> 01:34:27,840

this consciousness system and think of

2724

01:34:32,149 --> 01:34:30,000

that as like a big

2725

01:34:33,750 --> 01:34:32,159

chat room you have all these individual

2726

01:34:35,750 --> 01:34:33,760

units of consciousness and what

2727

01:34:38,229 --> 01:34:35,760

consciousness does is it communicates

2728

01:34:39,669 --> 01:34:38,239

and makes choices that's what

2729

01:34:41,189 --> 01:34:39,679

consciousness does so it's interesting

2730

01:34:42,629 --> 01:34:41,199

that related to os or is that's

2731

01:34:45,990 --> 01:34:42,639

completely different than os

2732

01:34:49,030 --> 01:34:46,000

no that is that's really

2733

01:34:51,669 --> 01:34:49,040

before os that's

2734

01:34:53,510 --> 01:34:51,679

prior to os is there an acronym that

2735

01:34:55,430 --> 01:34:53,520

you've said in the book

2736

01:34:56,629 --> 01:34:55,440

about the consciousness is interacting

2737

01:34:57,270 --> 01:34:56,639

with one another because everything

2738

01:34:59,590 --> 01:34:57,280

you're saying

2739

01:35:00,950 --> 01:34:59,600

remember tom i've been listening to your

2740

01:35:02,390 --> 01:35:00,960

voice for two months

2741

01:35:03,590 --> 01:35:02,400

okay so everything you're saying i'm

2742

01:35:04,070 --> 01:35:03,600

trying to relate it back to what i've

2743

01:35:06,149 --> 01:35:04,080

learned

2744

01:35:07,350 --> 01:35:06,159

yeah uh if this is actually what you

2745

01:35:10,550 --> 01:35:07,360

said this would be

2746

01:35:16,870 --> 01:35:10,560

as we as we move from

2747

01:35:20,390 --> 01:35:19,189

it's in that transition okay so auo just

2748

01:35:23,510 --> 01:35:20,400

for the people listening

2749

01:35:26,550 --> 01:35:23,520

is and then awoom is oh please

2750

01:35:28,709 --> 01:35:26,560

okay quick aside yeah um

2751

01:35:29,990 --> 01:35:28,719

is um i don't know it's gonna be hard

2752

01:35:36,550 --> 01:35:30,000

for me to come up with these too

2753

01:35:40,470 --> 01:35:38,709

i don't know i'd have to look them up i

2754

01:35:42,790 --> 01:35:40,480

wrote that book

2755

01:35:44,470 --> 01:35:42,800

what 20 absolute unbounded oneness was

2756

01:35:47,510 --> 01:35:44,480

one yeah absolute bounded

2757

01:35:51,350 --> 01:35:47,520

oneness that's a um oh no

2758

01:35:54,229 --> 01:35:51,360

that's auo right absolute you unbounded

2759

01:35:55,189 --> 01:35:54,239

oneness okay and and then what's

2760

01:35:59,430 --> 01:35:55,199

absolutely and

2761

01:36:01,189 --> 01:35:59,440

something manifold all right a-u-m

2762

01:36:03,350 --> 01:36:01,199

don't worry i can cut this out if we can

2763

01:36:04,870 --> 01:36:03,360

if we can i don't know

2764

01:36:06,629 --> 01:36:04,880

i don't remember a long time i don't use

2765

01:36:09,109 --> 01:36:06,639

those terms anymore usually i use

2766

01:36:12,310 --> 01:36:09,119

lcs for a larger consciousness system

2767

01:36:14,709 --> 01:36:12,320

which is kind of the aum

2768

01:36:16,390 --> 01:36:14,719

aum that i ended up with just becomes a

2769

01:36:16,870 --> 01:36:16,400

larger conscious system and i used that

2770

01:36:18,550 --> 01:36:16,880

term

2771

01:36:21,030 --> 01:36:18,560

for so long that i haven't used those

2772

01:36:22,470 --> 01:36:21,040

acronyms for probably 15 years

2773

01:36:24,870 --> 01:36:22,480

and you know how acronyms are if you

2774

01:36:27,590 --> 01:36:24,880

don't use them for a long period of time

2775

01:36:29,910 --> 01:36:27,600

they disappear but anyway it was in the

2776

01:36:32,950 --> 01:36:29,920

process that consciousness

2777

01:36:36,229 --> 01:36:32,960

evolved from a monolithic thing

2778

01:36:38,229 --> 01:36:36,239

a consciousness to multiple

2779

01:36:40,229 --> 01:36:38,239

consciousnesses and it did that because

2780

01:36:43,149 --> 01:36:40,239

that was on its path to

2781

01:36:45,109 --> 01:36:43,159

decreasing its entropy there's more

2782

01:36:47,109 --> 01:36:45,119

possibilities

2783

01:36:48,470 --> 01:36:47,119

okay there's more structure there's more

2784

01:36:52,229 --> 01:36:48,480

things that you can be

2785

01:36:54,790 --> 01:36:52,239

if you're a set of of uh

2786

01:36:56,070 --> 01:36:54,800

individuated consciousnesses that can

2787

01:36:58,470 --> 01:36:56,080

interact with free will

2788

01:36:59,830 --> 01:36:58,480

now the possibilities go up whereas if

2789

01:37:00,950 --> 01:36:59,840

you just have one monolithic

2790

01:37:02,629 --> 01:37:00,960

consciousness

2791

01:37:04,629 --> 01:37:02,639

there's only so much you can do because

2792

01:37:07,189 --> 01:37:04,639

you're limited by your beliefs by your

2793

01:37:10,070 --> 01:37:07,199

attitudes by other things

2794

01:37:11,669 --> 01:37:10,080

so that's a you know cells did the same

2795

01:37:12,950 --> 01:37:11,679

thing you had single cell things and

2796

01:37:14,310 --> 01:37:12,960

these single celled things were very

2797

01:37:15,830 --> 01:37:14,320

limited there's only so much that you

2798

01:37:17,990 --> 01:37:15,840

can do with single sales

2799

01:37:18,870 --> 01:37:18,000

but if you get multiple sales working

2800

01:37:22,149 --> 01:37:18,880

together

2801
01:37:25,030 --> 01:37:22,159
now you can make something more complex

2802
01:37:26,149 --> 01:37:25,040
more ordered lower entropy and then you

2803
01:37:28,310 --> 01:37:26,159
can get

2804
01:37:29,910 --> 01:37:28,320
you know organizations of cells like our

2805
01:37:31,430 --> 01:37:29,920
body you know we have livers and hearts

2806
01:37:34,629 --> 01:37:31,440
and organs and things where

2807
01:37:37,030 --> 01:37:34,639
specialization of of sales

2808
01:37:37,990 --> 01:37:37,040
and now it's even more complex more

2809
01:37:40,229 --> 01:37:38,000
flexible

2810
01:37:41,350 --> 01:37:40,239
more capable of doing more things

2811
01:37:44,310 --> 01:37:41,360
because of the

2812
01:37:45,430 --> 01:37:44,320
because of that additional order that

2813
01:37:46,950 --> 01:37:45,440

you have and it's not just

2814

01:37:48,310 --> 01:37:46,960

random order it's order that's

2815

01:37:49,830 --> 01:37:48,320

meaningful that works together that

2816

01:37:52,070 --> 01:37:49,840

cooperates

2817

01:37:53,830 --> 01:37:52,080

you know with each other so it's the

2818

01:37:55,590 --> 01:37:53,840

same thing consciousness had to find

2819

01:37:56,229 --> 01:37:55,600

that same thing it was one monolithic

2820

01:37:58,629 --> 01:37:56,239

thing

2821

01:38:00,470 --> 01:37:58,639

and it decided that that was limiting it

2822

01:38:03,350 --> 01:38:00,480

couldn't lower its entropy

2823

01:38:05,109 --> 01:38:03,360

very quickly that way so it created

2824

01:38:07,270 --> 01:38:05,119

subsets of itself

2825

01:38:09,270 --> 01:38:07,280

and those subsets then each had free

2826

01:38:12,870 --> 01:38:09,280

will and they interact with each other

2827

01:38:15,830 --> 01:38:12,880

and now the pr the potential

2828

01:38:17,510 --> 01:38:15,840

of the whole system goes up it's bigger

2829

01:38:18,870 --> 01:38:17,520

entropy is lowered you have a more

2830

01:38:22,149 --> 01:38:18,880

complex

2831

01:38:23,750 --> 01:38:22,159

ordering of things so now you have these

2832

01:38:25,830 --> 01:38:23,760

individuals but all they are is like in

2833

01:38:28,229 --> 01:38:25,840

a big chat room they communicate

2834

01:38:29,510 --> 01:38:28,239

and they make choices okay they have

2835

01:38:31,189 --> 01:38:29,520

potential

2836

01:38:32,629 --> 01:38:31,199

but they're not growing very quickly

2837

01:38:34,390 --> 01:38:32,639

either because

2838

01:38:37,030 --> 01:38:34,400

why does entropy increase when there's

2839

01:38:39,030 --> 01:38:37,040

more potential no entropy decreases

2840

01:38:40,550 --> 01:38:39,040

i'm sorry did i say no sorry why does no

2841

01:38:42,149 --> 01:38:40,560

what i misspoke

2842

01:38:44,470 --> 01:38:42,159

why does entropy decrease and not

2843

01:38:45,109 --> 01:38:44,480

increase when this entropy decreases

2844

01:38:48,149 --> 01:38:45,119

because

2845

01:38:51,189 --> 01:38:48,159

you have there's more things you can do

2846

01:38:53,990 --> 01:38:51,199

one measure of entropy is that

2847

01:38:55,109 --> 01:38:54,000

is disorder okay that's one measure of

2848

01:39:04,470 --> 01:38:55,119

entropy

2849

01:39:07,669 --> 01:39:04,480

system to do work

2850

01:39:09,510 --> 01:39:07,679

to do things those are both different

2851
01:39:11,590 --> 01:39:09,520
but equivalent

2852
01:39:12,629 --> 01:39:11,600
ways of looking at entropy so if we look

2853
01:39:15,669 --> 01:39:12,639
at it as just

2854
01:39:17,750 --> 01:39:15,679
order then you have more order

2855
01:39:18,790 --> 01:39:17,760
if you have a more highly evolved

2856
01:39:20,709 --> 01:39:18,800
structure

2857
01:39:22,629 --> 01:39:20,719
okay and you have more ability to do

2858
01:39:25,109 --> 01:39:22,639
things more potential

2859
01:39:26,790 --> 01:39:25,119
more more work that you can do if you

2860
01:39:27,590 --> 01:39:26,800
have interactions of things rather than

2861
01:39:30,310 --> 01:39:27,600
just one

2862
01:39:31,430 --> 01:39:30,320
monolithic thing these interactions can

2863
01:39:37,030 --> 01:39:31,440

can

2864

01:39:38,229 --> 01:39:37,040

build things whereas this one thing

2865

01:39:40,149 --> 01:39:38,239

doesn't

2866

01:39:42,550 --> 01:39:40,159

it's the same thing with one single cell

2867

01:39:44,310 --> 01:39:42,560

multiple cell

2868

01:39:45,990 --> 01:39:44,320

i can probably show you where my

2869

01:39:47,189 --> 01:39:46,000

confusion lies if i write it

2870

01:39:49,350 --> 01:39:47,199

and then you could just point it out it

2871

01:39:52,229 --> 01:39:49,360

might be simple like oh you're mistaking

2872

01:39:59,910 --> 01:39:55,669

please because you're just like me

2873

01:40:03,350 --> 01:39:59,920

and that you are primarily a physicist

2874

01:40:05,510 --> 01:40:03,360

okay so if we look here this is

2875

01:40:07,669 --> 01:40:05,520

sorry if there's a double speak because

2876

01:40:10,070 --> 01:40:07,679

for whatever reason my cell phone has to

2877

01:40:10,870 --> 01:40:10,080

reply i don't hear it i just you're

2878

01:40:14,229 --> 01:40:10,880

single

2879

01:40:16,870 --> 01:40:14,239

okay entropy

2880

01:40:17,910 --> 01:40:16,880

is something like $k d$ that's a boltzmann

2881

01:40:21,350 --> 01:40:17,920

constant

2882

01:40:25,590 --> 01:40:21,360

lawn and then this guy is

2883

01:40:28,070 --> 01:40:25,600

total number of states

2884

01:40:29,590 --> 01:40:28,080

okay so obviously i'm not saying

2885

01:40:30,629 --> 01:40:29,600

anything you don't know but obviously

2886

01:40:33,030 --> 01:40:30,639

this guy

2887

01:40:35,030 --> 01:40:33,040

looks like looks like this so then as

2888

01:40:36,790 --> 01:40:35,040

the total number of states goes up

2889

01:40:38,070 --> 01:40:36,800

entropy goes up that's why i'm having a

2890

01:40:41,109 --> 01:40:38,080

difficult time understanding

2891

01:40:43,669 --> 01:40:41,119

why is it when more is occurring entropy

2892

01:40:44,550 --> 01:40:43,679

decreases okay then let's look at it

2893

01:40:47,030 --> 01:40:44,560

this way

2894

01:40:48,149 --> 01:40:47,040

we started with all the bits in his

2895

01:40:51,270 --> 01:40:48,159

information system

2896

01:40:52,550 --> 01:40:51,280

random right we ordered the bits now we

2897

01:40:55,990 --> 01:40:52,560

have some meaning

2898

01:40:58,950 --> 01:40:56,000

now entropy goes down because we ordered

2899

01:41:01,030 --> 01:40:58,960

some bits we now have less randomness

2900

01:41:02,709 --> 01:41:01,040

so we order the bits we have a little

2901
01:41:03,590 --> 01:41:02,719
more complexity instead of all the bits

2902
01:41:05,189 --> 01:41:03,600
being random

2903
01:41:07,350 --> 01:41:05,199
we have ordered bits and those ordered

2904
01:41:09,510 --> 01:41:07,360
bits can be can mean things they could

2905
01:41:11,750 --> 01:41:09,520
be numbers or letters or they could

2906
01:41:12,629 --> 01:41:11,760
have some sort of meaning to them

2907
01:41:15,510 --> 01:41:12,639
they're symbols

2908
01:41:16,790 --> 01:41:15,520
they could be so when you order bits you

2909
01:41:19,109 --> 01:41:16,800
lower the entropy

2910
01:41:19,990 --> 01:41:19,119
high entropy is all the bits are random

2911
01:41:22,950 --> 01:41:20,000
so by

2912
01:41:24,070 --> 01:41:22,960
making a system more complicated more

2913
01:41:26,229 --> 01:41:24,080

complex

2914

01:41:27,750 --> 01:41:26,239

more meaningful more significant it can

2915

01:41:30,950 --> 01:41:27,760

do more things

2916

01:41:32,229 --> 01:41:30,960

you are you're looking at entropy as it

2917

01:41:35,350 --> 01:41:32,239

is defined

2918

01:41:37,750 --> 01:41:35,360

for heat problems

2919

01:41:39,189 --> 01:41:37,760

you're looking at thermodynamics there

2920

01:41:41,350 --> 01:41:39,199

but they're equivalent definitions

2921

01:41:43,270 --> 01:41:41,360

yeah you have to think of entropy in a

2922

01:41:45,109 --> 01:41:43,280

very fundamental way

2923

01:41:46,470 --> 01:41:45,119

okay fundamentally it's a measure of

2924

01:41:49,990 --> 01:41:46,480

disorder

2925

01:41:52,950 --> 01:41:50,000

okay so if you create order entropy gets

2926

01:41:53,590 --> 01:41:52,960

lowered so think of it in fundamental

2927

01:41:55,189 --> 01:41:53,600

terms don't

2928

01:41:57,109 --> 01:41:55,199

don't get lost in that equation that

2929

01:41:58,709 --> 01:41:57,119

equation was written for a very specific

2930

01:42:01,830 --> 01:41:58,719

purpose that had to do with

2931

01:42:03,030 --> 01:42:01,840

with entropy probably in um i don't know

2932

01:42:05,669 --> 01:42:03,040

what uh

2933

01:42:11,669 --> 01:42:05,679

adiabatic transfer of heat between

2934

01:42:17,430 --> 01:42:15,189

so but but these two are equivalent

2935

01:42:18,950 --> 01:42:17,440

and then and obviously there's another

2936

01:42:21,189 --> 01:42:18,960

one that has to do with probability

2937

01:42:22,709 --> 01:42:21,199

but but they're all equivalent all the

2938

01:42:24,390 --> 01:42:22,719

different definitions of entropy

2939

01:42:26,830 --> 01:42:24,400

so when people say entropy measures

2940

01:42:29,270 --> 01:42:26,840

disorder

2941

01:42:31,350 --> 01:42:29,280

i it

2942

01:42:32,390 --> 01:42:31,360

well it technically measures the amount

2943

01:42:34,870 --> 01:42:32,400

of microstates

2944

01:42:36,950 --> 01:42:34,880

as you put heat into it you get more

2945

01:42:38,390 --> 01:42:36,960

disorder because everything is spinning

2946

01:42:41,270 --> 01:42:38,400

around more randomly right you're

2947

01:42:43,910 --> 01:42:41,280

randomizing the the molecules in the jar

2948

01:42:45,910 --> 01:42:43,920

right so you add heat and all the

2949

01:42:47,669 --> 01:42:45,920

molecules start zipping around

2950

01:42:49,750 --> 01:42:47,679

and then you take out heat and pretty

2951
01:42:50,709 --> 01:42:49,760
soon you get you take out enough heat to

2952
01:42:52,550 --> 01:42:50,719
get ice

2953
01:42:55,669 --> 01:42:52,560
now your molecules aren't zipping around

2954
01:42:58,070 --> 01:42:55,679
anymore you've got more order

2955
01:42:59,830 --> 01:42:58,080
you've got when we're talking about npr

2956
01:43:03,030 --> 01:42:59,840
i remember you said that

2957
01:43:05,510 --> 01:43:03,040
if what we have here is something like

2958
01:43:07,350 --> 01:43:05,520
this is physical matter reality right

2959
01:43:07,990 --> 01:43:07,360
physical matter reality it's some subset

2960
01:43:10,390 --> 01:43:08,000
of npr

2961
01:43:11,270 --> 01:43:10,400
let me know if this is too small yeah i

2962
01:43:13,189 --> 01:43:11,280
can see it

2963
01:43:13,900 --> 01:43:13,199

okay great it's pretty small but i can i

2964

01:43:15,270 --> 01:43:13,910

can see it

2965

01:43:18,310 --> 01:43:15,280

[Music]

2966

01:43:20,629 --> 01:43:18,320

look looks like n p m

2967

01:43:22,149 --> 01:43:20,639

r looks like this it's just i'm trying

2968

01:43:23,669 --> 01:43:22,159

to clarify please because

2969

01:43:25,189 --> 01:43:23,679

i have some questions about npr

2970

01:43:27,189 --> 01:43:25,199

afterwards and how to interact with it

2971

01:43:27,669 --> 01:43:27,199

and do you see it as if it's in front of

2972

01:43:29,510 --> 01:43:27,679

you like

2973

01:43:31,030 --> 01:43:29,520

like me and you are talking and and how

2974

01:43:33,030 --> 01:43:31,040

does one go about doing that

2975

01:43:34,229 --> 01:43:33,040

all good questions great great great

2976

01:43:37,189 --> 01:43:34,239

okay so we have npr

2977

01:43:38,470 --> 01:43:37,199

npmr and then we also have pmr i'll just

2978

01:43:41,590 --> 01:43:38,480

write that here

2979

01:43:45,030 --> 01:43:41,600

yeah okay okay and the claim is that

2980

01:43:48,470 --> 01:43:45,040

pmr is a subset of npm yeah right now

2981

01:43:53,030 --> 01:43:48,480

can npmr interact over here like

2982

01:43:55,030 --> 01:43:53,040

they're causally influenced within npmr

2983

01:43:57,830 --> 01:43:55,040

something can causally influence another

2984

01:44:01,830 --> 01:43:57,840

part of npmr

2985

01:44:02,870 --> 01:44:01,840

um or or only do you have to go to a

2986

01:44:06,470 --> 01:44:02,880

higher

2987

01:44:09,990 --> 01:44:06,480

np mr let's say

2988

01:44:10,950 --> 01:44:10,000

two this is npm r1 and only this guy can

2989

01:44:13,750 --> 01:44:10,960

influence here

2990

01:44:15,830 --> 01:44:13,760

no the things can be influenced within

2991

01:44:17,590 --> 01:44:15,840

within that npr things can happen

2992

01:44:19,030 --> 01:44:17,600

decisions can be made choices can be

2993

01:44:22,229 --> 01:44:19,040

done that affect things

2994

01:44:24,790 --> 01:44:22,239

yes okay because then

2995

01:44:27,030 --> 01:44:24,800

like i'm overly done-ish so doesn't that

2996

01:44:28,229 --> 01:44:27,040

indicate that pmr is not a subset but

2997

01:44:31,189 --> 01:44:28,239

instead more like a

2998

01:44:32,310 --> 01:44:31,199

a target on a domain so here is npr and

2999

01:44:34,550 --> 01:44:32,320

i'll tell you the reason why

3000

01:44:36,950 --> 01:44:34,560

and please forgive me if this is too

3001

01:44:39,910 --> 01:44:36,960

foolishly technical for no reason

3002

01:44:42,149 --> 01:44:39,920

but it's like there's a function let's

3003

01:44:44,310 --> 01:44:42,159

call it f and the domain is npmr

3004

01:44:47,109 --> 01:44:44,320

and then it goes to pmr and the reason

3005

01:44:50,149 --> 01:44:47,119

why i say these are separate

3006

01:44:51,189 --> 01:44:50,159

is because pmr can't influence you said

3007

01:44:54,629 --> 01:44:51,199

that you have to go out

3008

01:44:58,790 --> 01:44:54,639

only npmr can influence this guy

3009

01:45:00,149 --> 01:44:58,800

correct um can pmr influence without

3010

01:45:03,270 --> 01:45:00,159

npmr

3011

01:45:05,590 --> 01:45:03,280

no pmr is uh is a product

3012

01:45:06,550 --> 01:45:05,600

it's created by npmr yeah yeah right

3013

01:45:08,709 --> 01:45:06,560

right so then

3014

01:45:10,390 --> 01:45:08,719

the reason why i was having a bit of a

3015

01:45:11,030 --> 01:45:10,400

tricky time understanding this is

3016

01:45:14,070 --> 01:45:11,040

because if

3017

01:45:15,590 --> 01:45:14,080

pmr was simply a subset right here

3018

01:45:17,510 --> 01:45:15,600

it should be able to influence within

3019

01:45:19,430 --> 01:45:17,520

itself just like npr can influence

3020

01:45:20,950 --> 01:45:19,440

within itself because it's a subset

3021

01:45:23,109 --> 01:45:20,960

unless there's something special about

3022

01:45:24,550 --> 01:45:23,119

this upset well well pmr does influence

3023

01:45:26,149 --> 01:45:24,560

within itself you know i mean we make

3024

01:45:29,030 --> 01:45:26,159

choices

3025

01:45:30,070 --> 01:45:29,040

come here and have this talk you know

3026

01:45:32,229 --> 01:45:30,080

and that that may change

3027

01:45:34,390 --> 01:45:32,239

things you know now did that choice

3028

01:45:37,990 --> 01:45:34,400

occur in npr or in pmr

3029

01:45:41,350 --> 01:45:38,000

oh at all all the your consciousness

3030

01:45:43,189 --> 01:45:41,360

is in npr consciousness is not physical

3031

01:45:45,750 --> 01:45:43,199

consciousness is non-physical

3032

01:45:48,229 --> 01:45:45,760

information is non-physical

3033

01:45:49,750 --> 01:45:48,239

you are a non-physical consciousness

3034

01:45:54,870 --> 01:45:49,760

you're just playing

3035

01:45:59,030 --> 01:45:56,390

but the problem you're having is that

3036

01:46:02,070 --> 01:45:59,040

these concepts are so

3037

01:46:05,350 --> 01:46:02,080

different from the basic world view

3038

01:46:07,030 --> 01:46:05,360

and and concepts that you know that most

3039

01:46:08,790 --> 01:46:07,040

people have particularly

3040

01:46:11,109 --> 01:46:08,800

technical people particularly physics

3041

01:46:11,430 --> 01:46:11,119

and science people that it just seems to

3042

01:46:13,830 --> 01:46:11,440

be

3043

01:46:14,550 --> 01:46:13,840

really hard to get your mind wrapped

3044

01:46:17,590 --> 01:46:14,560

around them

3045

01:46:19,590 --> 01:46:17,600

and and all the little problems that

3046

01:46:21,350 --> 01:46:19,600

pop up will disappear just once you get

3047

01:46:24,830 --> 01:46:21,360

that basic concept that we

3048

01:46:25,990 --> 01:46:24,840

are consciousness we are playing a

3049

01:46:27,750 --> 01:46:26,000

character

3050

01:46:29,430 --> 01:46:27,760

just like you would play an elf in world

3051
01:46:30,629 --> 01:46:29,440
of warcraft you're playing a character

3052
01:46:33,910 --> 01:46:30,639
that character

3053
01:46:36,550 --> 01:46:33,920
is your physical body that's the avatar

3054
01:46:37,430 --> 01:46:36,560
your consciousness now from that

3055
01:46:42,870 --> 01:46:37,440
avatar's

3056
01:46:44,310 --> 01:46:42,880
viewpoint the player is non-physical

3057
01:46:46,229 --> 01:46:44,320
and yeah i see you i see you're just

3058
01:46:48,229 --> 01:46:46,239
like just like a video game

3059
01:46:50,390 --> 01:46:48,239
and the computer is non-physical it is a

3060
01:46:51,669 --> 01:46:50,400
video game right it's a virtual reality

3061
01:46:54,430 --> 01:46:51,679
a video game

3062
01:46:56,229 --> 01:46:54,440
so you're the consciousness you are

3063
01:46:58,149 --> 01:46:56,239

non-physical

3064

01:47:00,470 --> 01:46:58,159

relative to the viewpoint inside of the

3065

01:47:02,390 --> 01:47:00,480

virtual reality which is your body

3066

01:47:04,550 --> 01:47:02,400

so your consciousness is a non-physical

3067

01:47:06,070 --> 01:47:04,560

thing but it's really who you are that

3068

01:47:07,830 --> 01:47:06,080

consciousness is a player

3069

01:47:09,350 --> 01:47:07,840

that consciousness is making all the

3070

01:47:11,669 --> 01:47:09,360

choices for that

3071

01:47:13,350 --> 01:47:11,679

avatar if the conscience doesn't give

3072

01:47:14,870 --> 01:47:13,360

that avatar it doesn't make any choices

3073

01:47:15,430 --> 01:47:14,880

the avatar just sits there i mean think

3074

01:47:17,270 --> 01:47:15,440

of your

3075

01:47:18,790 --> 01:47:17,280

your elf that you're playing if you

3076

01:47:20,709 --> 01:47:18,800

don't if you don't

3077

01:47:22,229 --> 01:47:20,719

you know hit a key or move a mouse you

3078

01:47:23,510 --> 01:47:22,239

don't give it any instructions it just

3079

01:47:24,390 --> 01:47:23,520

sits there and wobbles doesn't do

3080

01:47:28,149 --> 01:47:24,400

anything

3081

01:47:31,750 --> 01:47:28,159

well so all the choices all the memory

3082

01:47:33,590 --> 01:47:31,760

all the thoughts all the

3083

01:47:35,590 --> 01:47:33,600

all the processing goes on in

3084

01:47:38,790 --> 01:47:35,600

consciousness not in the brain

3085

01:47:43,189 --> 01:47:38,800

there really is no brain the

3086

01:47:45,270 --> 01:47:43,199

the brain is is not even rendered

3087

01:47:46,470 --> 01:47:45,280

unless somebody is opens a skull and has

3088

01:47:49,270 --> 01:47:46,480

to look at it

3089

01:47:49,990 --> 01:47:49,280

it's just a virtual reality right you

3090

01:47:52,790 --> 01:47:50,000

see yourself

3091

01:47:54,629 --> 01:47:52,800

as consciousness and you make all the

3092

01:47:56,709 --> 01:47:54,639

decisions you're making all the choices

3093

01:47:58,790 --> 01:47:56,719

and you are not in that virtual reality

3094

01:48:02,070 --> 01:47:58,800

so you are an npr

3095

01:48:03,430 --> 01:48:02,080

you're non-physical to that that that

3096

01:48:04,709 --> 01:48:03,440

physical matter reality it's just a

3097

01:48:06,149 --> 01:48:04,719

virtual reality just like world of

3098

01:48:08,870 --> 01:48:06,159

warcraft it's a game

3099

01:48:10,149 --> 01:48:08,880

it's an energy reduction trainer what

3100

01:48:12,390 --> 01:48:10,159

happens

3101
01:48:14,390 --> 01:48:12,400
when there's brain damage which seems to

3102
01:48:16,709 --> 01:48:14,400
occur in physical matter reality

3103
01:48:18,070 --> 01:48:16,719
and exactly when there's brain damage

3104
01:48:21,350 --> 01:48:18,080
what happens is according

3105
01:48:22,870 --> 01:48:21,360
remember this virtual reality evolved

3106
01:48:25,750 --> 01:48:22,880
according to a rule set

3107
01:48:26,470 --> 01:48:25,760
right it's an evolved thing all right so

3108
01:48:29,030 --> 01:48:26,480
the way

3109
01:48:30,390 --> 01:48:29,040
the stuff is in that virtual reality is

3110
01:48:32,629 --> 01:48:30,400
because of the rule set

3111
01:48:33,830 --> 01:48:32,639
you know the rule set says that we can't

3112
01:48:35,990 --> 01:48:33,840
flap our arms and fly

3113
01:48:38,310 --> 01:48:36,000

so we can't do that it's the physics

3114

01:48:41,030 --> 01:48:38,320

chemistry biology that's the rule set

3115

01:48:42,310 --> 01:48:41,040

all right so now here you are and your

3116

01:48:44,709 --> 01:48:42,320

at your

3117

01:48:46,550 --> 01:48:44,719

avatar gets brain damage somebody hits

3118

01:48:48,950 --> 01:48:46,560

them in the head with an iron pipe

3119

01:48:51,109 --> 01:48:48,960

now the rule set says that that's going

3120

01:48:52,629 --> 01:48:51,119

to change the constraints on what that

3121

01:48:55,189 --> 01:48:52,639

system can do

3122

01:48:57,510 --> 01:48:55,199

same with your elf if your elf that

3123

01:48:59,830 --> 01:48:57,520

you're playing in world of warcraft

3124

01:49:01,430 --> 01:48:59,840

falls off a high cliff and hits the

3125

01:49:03,510 --> 01:49:01,440

rocks at the bottom

3126

01:49:05,030 --> 01:49:03,520

it's going to be damaged it's going to

3127

01:49:07,189 --> 01:49:05,040

lose hit points

3128

01:49:08,790 --> 01:49:07,199

it's going to have to you know go

3129

01:49:11,669 --> 01:49:08,800

someplace and rest or

3130

01:49:14,870 --> 01:49:11,679

eat or do something else it damages it

3131

01:49:17,589 --> 01:49:14,880

and now the player has to play with a

3132

01:49:18,550 --> 01:49:17,599

with constraints so you have brain

3133

01:49:20,550 --> 01:49:18,560

damage

3134

01:49:22,550 --> 01:49:20,560

you're the consciousness you now have to

3135

01:49:25,350 --> 01:49:22,560

play an avatar that has straight

3136

01:49:25,669 --> 01:49:25,360

constraints according to the rule set

3137

01:49:27,350 --> 01:49:25,679

okay

3138

01:49:28,950 --> 01:49:27,360

ruleset tells you what the constraints

3139

01:49:31,750 --> 01:49:28,960

are okay

3140

01:49:33,510 --> 01:49:31,760

so let's say i'm going to disembody this

3141

01:49:35,430 --> 01:49:33,520

and make some sort of visual metaphor

3142

01:49:36,870 --> 01:49:35,440

okay so your consciousness is up here

3143

01:49:38,870 --> 01:49:36,880

and somehow it's tapping into a video

3144

01:49:39,510 --> 01:49:38,880

game that's down here and it's playing

3145

01:49:42,709 --> 01:49:39,520

and

3146

01:49:45,109 --> 01:49:42,719

this is just like

3147

01:49:46,629 --> 01:49:45,119

now these two have a fight down here and

3148

01:49:48,470 --> 01:49:46,639

one of them is represented by you maybe

3149

01:49:51,830 --> 01:49:48,480

one is represented by someone else

3150

01:49:54,149 --> 01:49:51,840

okay that somehow affects what this guy

3151

01:49:55,990 --> 01:49:54,159

feels because the rule set says what

3152

01:49:57,750 --> 01:49:56,000

happens down here affects how you feel

3153

01:49:59,109 --> 01:49:57,760

am i correct so far is this or is this

3154

01:50:01,189 --> 01:49:59,119

off no

3155

01:50:02,550 --> 01:50:01,199

yeah the all the feelings are in the

3156

01:50:05,990 --> 01:50:02,560

consciousness

3157

01:50:07,430 --> 01:50:06,000

exactly now what makes you what makes

3158

01:50:09,910 --> 01:50:07,440

this consciousness

3159

01:50:10,709 --> 01:50:09,920

you because the way that i'm

3160

01:50:12,390 --> 01:50:10,719

understanding

3161

01:50:13,830 --> 01:50:12,400

an identity which is such a slippery

3162

01:50:15,270 --> 01:50:13,840

concept if you just

3163

01:50:17,270 --> 01:50:15,280

if you examine it it's not a

3164

01:50:19,910 --> 01:50:17,280

well-defined concept to begin with

3165

01:50:20,629 --> 01:50:19,920

but let's imagine it is which is

3166

01:50:23,589 --> 01:50:20,639

difficult

3167

01:50:25,030 --> 01:50:23,599

but what defines you is something like

3168

01:50:27,589 --> 01:50:25,040

you have a personality you have a

3169

01:50:30,070 --> 01:50:27,599

certain viewpoint you have

3170

01:50:31,990 --> 01:50:30,080

you have your choices and so on but if

3171

01:50:34,070 --> 01:50:32,000

those can be affected by what's physical

3172

01:50:35,669 --> 01:50:34,080

what's pmr

3173

01:50:38,229 --> 01:50:35,679

right with v with brain damage or

3174

01:50:41,189 --> 01:50:38,239

augmentations then that's affecting the

3175

01:50:42,709 --> 01:50:41,199

you which is up here which i meant yeah

3176

01:50:45,589 --> 01:50:42,719

it's just constraining

3177

01:50:46,550 --> 01:50:45,599

you so you have let's say you have brain

3178

01:50:49,430 --> 01:50:46,560

damage and now

3179

01:50:50,149 --> 01:50:49,440

you can't remember and you slur your

3180

01:50:52,709 --> 01:50:50,159

words

3181

01:50:54,149 --> 01:50:52,719

and you drag your left foot okay now

3182

01:50:55,350 --> 01:50:54,159

you're the consciousness

3183

01:50:57,669 --> 01:50:55,360

and i thought what's happened to your

3184

01:50:59,189 --> 01:50:57,679

avatar your avatar fell off a cliff and

3185

01:51:01,990 --> 01:50:59,199

hit his head on a rock

3186

01:51:03,109 --> 01:51:02,000

so now you have to play a character that

3187

01:51:05,990 --> 01:51:03,119

slurs its words

3188

01:51:07,109 --> 01:51:06,000

can't remember and whatever you you are

3189

01:51:09,270 --> 01:51:07,119

limited

3190

01:51:10,229 --> 01:51:09,280

by what the rule set says your avatar

3191

01:51:13,270 --> 01:51:10,239

can do

3192

01:51:14,950 --> 01:51:13,280

so you have a computer remember the

3193

01:51:16,709 --> 01:51:14,960

computer is computing this

3194

01:51:18,709 --> 01:51:16,719

now you're getting a data stream from

3195

01:51:20,550 --> 01:51:18,719

that computer yeah

3196

01:51:22,870 --> 01:51:20,560

and you're interpreting that data as

3197

01:51:26,070 --> 01:51:22,880

what's going on in that virtual reality

3198

01:51:29,189 --> 01:51:26,080

so now the computer says that

3199

01:51:31,510 --> 01:51:29,199

you can't get up and dance because

3200

01:51:33,350 --> 01:51:31,520

you're dragging your left foot you can't

3201
01:51:34,470 --> 01:51:33,360
go give a speech because you're slurring

3202
01:51:36,149 --> 01:51:34,480
your words

3203
01:51:38,070 --> 01:51:36,159
so if you say well i'd like to go give a

3204
01:51:40,310 --> 01:51:38,080
speech now

3205
01:51:42,950 --> 01:51:40,320
you can't get that the computer isn't

3206
01:51:45,830 --> 01:51:42,960
going to draw that in that reality

3207
01:51:47,910 --> 01:51:45,840
because the rule set says no can't do

3208
01:51:49,510 --> 01:51:47,920
that just like if you're playing an elf

3209
01:51:50,229 --> 01:51:49,520
and you'd say oh my elf's in a tight

3210
01:51:52,790 --> 01:51:50,239
situation

3211
01:51:53,589 --> 01:51:52,800
elf flap your arms and fly and what'll

3212
01:51:56,310 --> 01:51:53,599
happen

3213
01:51:58,149 --> 01:51:56,320

nothing it won't do that because the

3214

01:52:00,870 --> 01:51:58,159

rule set in world of warcraft

3215

01:52:01,270 --> 01:52:00,880

won't let your elf flap his arms and fly

3216

01:52:07,669 --> 01:52:01,280

so

3217

01:52:10,229 --> 01:52:07,679

you know you have the constraints that

3218

01:52:11,669 --> 01:52:10,239

you have to work with as consciousness

3219

01:52:13,750 --> 01:52:11,679

now you're the consciousness you're

3220

01:52:14,709 --> 01:52:13,760

making the choices and you have all the

3221

01:52:16,629 --> 01:52:14,719

feelings part of

3222

01:52:18,790 --> 01:52:16,639

consciousness is the feeling part it's

3223

01:52:19,990 --> 01:52:18,800

the emotional part

3224

01:52:21,669 --> 01:52:20,000

so you're the one that feels the

3225

01:52:22,950 --> 01:52:21,679

emotions you're the one that feels the

3226

01:52:25,109 --> 01:52:22,960

pain you're the one that's

3227

01:52:26,629 --> 01:52:25,119

tongue feels too fat to get in your

3228

01:52:30,870 --> 01:52:26,639

mouth all that's part of

3229

01:52:33,189 --> 01:52:30,880

what you interpret the data to be

3230

01:52:35,030 --> 01:52:33,199

remember you are getting the data that

3231

01:52:37,990 --> 01:52:35,040

is all the sense data

3232

01:52:39,910 --> 01:52:38,000

that this avatar is getting okay so we

3233

01:52:41,510 --> 01:52:39,920

do world of warcraft it's just basically

3234

01:52:43,430 --> 01:52:41,520

visual and sound

3235

01:52:45,430 --> 01:52:43,440

okay when you do this virtual reality

3236

01:52:46,310 --> 01:52:45,440

it's visual sound and feeling it's touch

3237

01:52:49,589 --> 01:52:46,320

it's smell

3238

01:52:50,310 --> 01:52:49,599

it's everything okay i guess here's my

3239

01:52:51,990 --> 01:52:50,320

confusion

3240

01:52:54,310 --> 01:52:52,000

and i think this metaphor somewhat

3241

01:52:55,750 --> 01:52:54,320

rectifies it in world of warcraft

3242

01:52:57,430 --> 01:52:55,760

let's just choose that in world of

3243

01:52:58,790 --> 01:52:57,440

warcraft you have an avatar and you have

3244

01:52:59,669 --> 01:52:58,800

hit points and so on you have a certain

3245

01:53:02,070 --> 01:52:59,679

set of attributes

3246

01:53:03,189 --> 01:53:02,080

okay then what you're saying is it would

3247

01:53:06,390 --> 01:53:03,199

be a mistake

3248

01:53:07,430 --> 01:53:06,400

to identify the you as the avatar rather

3249

01:53:10,790 --> 01:53:07,440

than the player

3250

01:53:13,270 --> 01:53:10,800

is that true absolutely so then

3251

01:53:14,310 --> 01:53:13,280

what's left of the individual once

3252

01:53:17,350 --> 01:53:14,320

you've scrapped

3253

01:53:20,310 --> 01:53:17,360

the inclinations and the set of emotions

3254

01:53:22,229 --> 01:53:20,320

and the personality what's left why

3255

01:53:23,669 --> 01:53:22,239

would that be me why should i identify

3256

01:53:25,750 --> 01:53:23,679

with that

3257

01:53:27,189 --> 01:53:25,760

like i'm just being devil's advocate

3258

01:53:29,510 --> 01:53:27,199

well let me see if i

3259

01:53:31,270 --> 01:53:29,520

can answer your question this way so you

3260

01:53:33,430 --> 01:53:31,280

your your piece of consciousness

3261

01:53:34,310 --> 01:53:33,440

and you're going to log on to this this

3262

01:53:35,430 --> 01:53:34,320

avatar

3263

01:53:37,910 --> 01:53:35,440

and you're going to log on to that

3264

01:53:40,629 --> 01:53:37,920

avatar when that avatar is

3265

01:53:41,750 --> 01:53:40,639

very very young maybe even before it's

3266

01:53:43,350 --> 01:53:41,760

born

3267

01:53:45,189 --> 01:53:43,360

so you know it depends when there's

3268

01:53:47,109 --> 01:53:45,199

enough data coming in for you to

3269

01:53:48,470 --> 01:53:47,119

experience that's when you probably log

3270

01:53:52,950 --> 01:53:48,480

on

3271

01:53:54,950 --> 01:53:52,960

with any history

3272

01:53:56,310 --> 01:53:54,960

all of your intellectual part doesn't

3273

01:53:56,870 --> 01:53:56,320

come with you the only thing that comes

3274

01:53:59,750 --> 01:53:56,880

with you

3275

01:54:00,629 --> 01:53:59,760

is the quality you've earned the amount

3276

01:54:02,470 --> 01:54:00,639

of entropy

3277

01:54:04,390 --> 01:54:02,480

you know that that you've reduced up to

3278

01:54:05,270 --> 01:54:04,400

this point so i call that quality of

3279

01:54:07,109 --> 01:54:05,280

consciousness

3280

01:54:08,950 --> 01:54:07,119

that comes with you and now you're

3281

01:54:10,070 --> 01:54:08,960

logged on just as quality of conscience

3282

01:54:13,189 --> 01:54:10,080

is logged onto this

3283

01:54:15,830 --> 01:54:13,199

avatar and all of the

3284

01:54:18,070 --> 01:54:15,840

sense data that you begin to get maybe

3285

01:54:20,790 --> 01:54:18,080

in utero maybe being born maybe

3286

01:54:21,990 --> 01:54:20,800

right afterwards all that sense data you

3287

01:54:24,870 --> 01:54:22,000

define that

3288

01:54:26,709 --> 01:54:24,880

as you because that's the only

3289

01:54:29,750 --> 01:54:26,719

intellectual information

3290

01:54:31,669 --> 01:54:29,760

that you've gotten in other words that's

3291

01:54:33,669 --> 01:54:31,679

it you didn't come with any memory like

3292

01:54:35,189 --> 01:54:33,679

okay i'm really sitting in my computer

3293

01:54:36,070 --> 01:54:35,199

and it's time for lunch i'm going to put

3294

01:54:38,149 --> 01:54:36,080

this game on hold

3295

01:54:40,310 --> 01:54:38,159

and go have a sandwich it's not like

3296

01:54:43,589 --> 01:54:40,320

that you're a hundred percent

3297

01:54:47,750 --> 01:54:43,599

evolved in involved in that player

3298

01:54:49,830 --> 01:54:47,760

and everything that that avatar has done

3299

01:54:51,750 --> 01:54:49,840

you feel like you have done because the

3300

01:54:53,430 --> 01:54:51,760

only data you're getting defining

3301

01:54:54,390 --> 01:54:53,440

reality is the data the computer's

3302

01:54:58,950 --> 01:54:54,400

sending you

3303

01:55:01,189 --> 01:54:58,960

describing what that avatar is sensing

3304

01:55:03,510 --> 01:55:01,199

now you have the emotions you have the

3305

01:55:03,990 --> 01:55:03,520

feelings the avatar is just some eye

3306

01:55:06,950 --> 01:55:04,000

candy

3307

01:55:08,629 --> 01:55:06,960

for you to look at so that you can see

3308

01:55:11,830 --> 01:55:08,639

the interactions and see what's going

3309

01:55:15,189 --> 01:55:11,840

on it's it's how you interpret the game

3310

01:55:17,990 --> 01:55:15,199

map and the players so you get that data

3311

01:55:19,669 --> 01:55:18,000

that's the data you have that's how you

3312

01:55:22,870 --> 01:55:19,679

interpret it

3313

01:55:24,310 --> 01:55:22,880

infant you know you learn to tell the

3314

01:55:26,870 --> 01:55:24,320

difference between uh you know

3315

01:55:28,390 --> 01:55:26,880

a house and your mother you just learn

3316

01:55:29,589 --> 01:55:28,400

that through your experience

3317

01:55:31,430 --> 01:55:29,599

so here you are this piece of

3318

01:55:33,430 --> 01:55:31,440

consciousness and you learn the

3319

01:55:34,470 --> 01:55:33,440

difference between mom and an apple and

3320

01:55:36,390 --> 01:55:34,480

dad and the car

3321

01:55:37,830 --> 01:55:36,400

and all these things as you grow up you

3322

01:55:39,990 --> 01:55:37,840

start building

3323

01:55:41,350 --> 01:55:40,000

language and vocabulary and ideas and

3324

01:55:43,589 --> 01:55:41,360

beliefs and things

3325

01:55:44,790 --> 01:55:43,599

so that's your world as consciousness

3326
01:55:46,790 --> 01:55:44,800
it's not like

3327
01:55:48,470 --> 01:55:46,800
you have something else going on you've

3328
01:55:49,430 --> 01:55:48,480
just this piece of consciousness is

3329
01:55:53,270 --> 01:55:49,440
wholly

3330
01:55:53,750 --> 01:55:53,280
100 logged on and you didn't come with

3331
01:55:57,030 --> 01:55:53,760
any

3332
01:55:57,350 --> 01:55:57,040
intellectual part now in my model i call

3333
01:55:59,990 --> 01:55:57,360
that

3334
01:56:01,430 --> 01:56:00,000
a free will awareness unit it's a subset

3335
01:56:02,629 --> 01:56:01,440
of the individuated unit of

3336
01:56:04,470 --> 01:56:02,639
consciousness

3337
01:56:06,229 --> 01:56:04,480
so the individual unit of conscious just

3338
01:56:10,070 --> 01:56:06,239

takes a subset of itself

3339

01:56:13,510 --> 01:56:10,080

and just its quality and logs on to this

3340

01:56:16,790 --> 01:56:13,520

this uh this game yeah

3341

01:56:17,510 --> 01:56:16,800

to get the data for that character okay

3342

01:56:21,109 --> 01:56:17,520

so

3343

01:56:23,430 --> 01:56:21,119

unit of consciousness

3344

01:56:24,629 --> 01:56:23,440

who has logged on a piece of itself you

3345

01:56:27,189 --> 01:56:24,639

put a partition

3346

01:56:29,910 --> 01:56:27,199

down to that piece of itself and you log

3347

01:56:31,910 --> 01:56:29,920

that on to this virtual reality game

3348

01:56:33,830 --> 01:56:31,920

you see that's kind of that's the way

3349

01:56:36,149 --> 01:56:33,840

you should kind of look at the structure

3350

01:56:37,350 --> 01:56:36,159

so yes let me see if i can explain back

3351

01:56:38,550 --> 01:56:37,360

to you so you know if i actually

3352

01:56:41,189 --> 01:56:38,560

understand it

3353

01:56:42,550 --> 01:56:41,199

okay i'm just imagining some orb okay

3354

01:56:43,750 --> 01:56:42,560

that's just the way my visual systems

3355

01:56:46,070 --> 01:56:43,760

work okay so i'm imagining an

3356

01:56:47,910 --> 01:56:46,080

orb over a landscape and this landscape

3357

01:56:49,350 --> 01:56:47,920

the orb can

3358

01:56:51,109 --> 01:56:49,360

shoot out one of its tendrils and then

3359

01:56:51,750 --> 01:56:51,119

it's odd then that's the equivalent of

3360

01:56:53,189 --> 01:56:51,760

logging on

3361

01:56:54,629 --> 01:56:53,199

okay and the orb represents

3362

01:56:56,229 --> 01:56:54,639

consciousness the orb represents me in

3363

01:56:57,750 --> 01:56:56,239

some way but this orb right now

3364

01:56:59,669 --> 01:56:57,760

doesn't have feelings because it's not

3365

01:57:01,189 --> 01:56:59,679

logged on i don't know if that's

3366

01:57:02,629 --> 01:57:01,199

actually true but in my metaphor okay so

3367

01:57:05,350 --> 01:57:02,639

right now has no sense data

3368

01:57:06,149 --> 01:57:05,360

it somehow puts out an arm goes into

3369

01:57:08,070 --> 01:57:06,159

this little baby

3370

01:57:09,990 --> 01:57:08,080

little baby boy who has certain

3371

01:57:12,149 --> 01:57:10,000

proclivities and then grows up and it

3372

01:57:13,589 --> 01:57:12,159

and it's fed that to its consciousness

3373

01:57:16,790 --> 01:57:13,599

that orb okay

3374

01:57:18,470 --> 01:57:16,800

then when this boy dies

3375

01:57:21,189 --> 01:57:18,480

in the physical world the body dies

3376

01:57:22,950 --> 01:57:21,199

let's say is the claim that the orb

3377

01:57:24,790 --> 01:57:22,960

persists and also that the orb was there

3378

01:57:26,629 --> 01:57:24,800

before the baby was born

3379

01:57:27,830 --> 01:57:26,639

or is it that the orb was created with

3380

01:57:30,550 --> 01:57:27,840

the baby somehow

3381

01:57:32,149 --> 01:57:30,560

okay it's it's all of the above it's a

3382

01:57:33,990 --> 01:57:32,159

little confusing but let me

3383

01:57:35,510 --> 01:57:34,000

try to lay it out for you yeah just

3384

01:57:38,550 --> 01:57:35,520

correct me where i'm okay

3385

01:57:41,109 --> 01:57:38,560

somewhat insensitive so we start with a

3386

01:57:42,149 --> 01:57:41,119

individuated unit of consciousness okay

3387

01:57:44,470 --> 01:57:42,159

and that's really

3388

01:57:45,270 --> 01:57:44,480

who you are you're a piece of conscious

3389

01:57:46,790 --> 01:57:45,280

you just

3390

01:57:48,310 --> 01:57:46,800

you know think of it as this big

3391

01:57:51,030 --> 01:57:48,320

conscious system

3392

01:57:51,830 --> 01:57:51,040

and it just takes a part of itself and

3393

01:57:55,109 --> 01:57:51,840

petitions that

3394

01:57:57,189 --> 01:57:55,119

often calls it you yeah okay that's

3395

01:57:58,390 --> 01:57:57,199

an iuoc it's just a piece of itself so

3396

01:58:01,669 --> 01:57:58,400

you can think of a

3397

01:58:04,229 --> 01:58:01,679

of an emulated uh you know

3398

01:58:04,950 --> 01:58:04,239

piece of this larger system so you're

3399

01:58:07,189 --> 01:58:04,960

just

3400

01:58:08,550 --> 01:58:07,199

a piece of the larger system and all

3401
01:58:09,589 --> 01:58:08,560
right so now that's you you're the

3402
01:58:12,390 --> 01:58:09,599
consciousness

3403
01:58:13,350 --> 01:58:12,400
okay now he finds out that you can

3404
01:58:16,470 --> 01:58:13,360
evolve

3405
01:58:18,070 --> 01:58:16,480
more readily if you log on to this game

3406
01:58:19,350 --> 01:58:18,080
because this is an entry reduction

3407
01:58:20,629 --> 01:58:19,360
trainer and what you're trying to do is

3408
01:58:22,709 --> 01:58:20,639
reduce your entropy

3409
01:58:23,750 --> 01:58:22,719
okay so because of that you take a piece

3410
01:58:25,990 --> 01:58:23,760
of yourself

3411
01:58:28,070 --> 01:58:26,000
now you partition off just a piece of

3412
01:58:30,470 --> 01:58:28,080
yourself that contains

3413
01:58:31,669 --> 01:58:30,480

your quality of consciousness and that

3414

01:58:34,790 --> 01:58:31,679

piece of yourself

3415

01:58:35,750 --> 01:58:34,800

now is the thing that's receiving the

3416

01:58:37,510 --> 01:58:35,760

data stream

3417

01:58:39,030 --> 01:58:37,520

and is logged onto the game and is

3418

01:58:41,669 --> 01:58:39,040

working the game

3419

01:58:42,709 --> 01:58:41,679

okay so it has an avatar and it's

3420

01:58:44,470 --> 01:58:42,719

experiencing

3421

01:58:46,310 --> 01:58:44,480

it's just a piece of myself though just

3422

01:58:47,910 --> 01:58:46,320

a piece of yourself

3423

01:58:49,910 --> 01:58:47,920

what are the other pieces doing in in

3424

01:58:52,470 --> 01:58:49,920

this example the other piece

3425

01:58:53,750 --> 01:58:52,480

is is basically going to be the

3426

01:58:56,229 --> 01:58:53,760

accumulation

3427

01:58:57,189 --> 01:58:56,239

function of all of your experiences

3428

01:59:00,310 --> 01:58:57,199

because the whole point

3429

01:59:04,629 --> 01:59:00,320

is to is to evolve and to do that

3430

01:59:06,950 --> 01:59:04,639

is as a as a iterative process

3431

01:59:07,990 --> 01:59:06,960

all of my experiences from past lives or

3432

01:59:10,310 --> 01:59:08,000

all of my lives

3433

01:59:12,070 --> 01:59:10,320

all of your experience from all of the

3434

01:59:13,669 --> 01:59:12,080

from all the avatars you've ever played

3435

01:59:16,790 --> 01:59:13,679

all the choices that you've ever made

3436

01:59:18,550 --> 01:59:16,800

all of that is kept and accumulated

3437

01:59:19,589 --> 01:59:18,560

because it's all part of this growing up

3438

01:59:21,109 --> 01:59:19,599

process

3439

01:59:22,790 --> 01:59:21,119

if you understand your history it's

3440

01:59:24,709 --> 01:59:22,800

easier to make sense of

3441

01:59:26,870 --> 01:59:24,719

you know what you're doing so it's it's

3442

01:59:30,390 --> 01:59:26,880

this community function so that's what

3443

01:59:32,709 --> 01:59:30,400

your your iuc is that function

3444

01:59:33,910 --> 01:59:32,719

so it takes a part of itself not the

3445

01:59:36,149 --> 01:59:33,920

memory of all those past

3446

01:59:38,390 --> 01:59:36,159

lives or anything else takes up just the

3447

01:59:40,550 --> 01:59:38,400

quality logs on

3448

01:59:41,430 --> 01:59:40,560

becomes you the little baby boy you go

3449

01:59:42,950 --> 01:59:41,440

through life

3450

01:59:45,030 --> 01:59:42,960

and that little baby boy gets old and

3451

01:59:46,950 --> 01:59:45,040

dies of old age and

3452

01:59:48,870 --> 01:59:46,960

now what happens as soon as he dies of

3453

01:59:51,189 --> 01:59:48,880

old age

3454

01:59:52,709 --> 01:59:51,199

he's no longer in the avatar anymore

3455

01:59:54,070 --> 01:59:52,719

avatar is dead

3456

01:59:55,750 --> 01:59:54,080

so the avatar you're not getting any

3457

01:59:57,270 --> 01:59:55,760

more sense data from the avatar since

3458

02:00:01,189 --> 01:59:57,280

data stopped

3459

02:00:02,149 --> 02:00:01,199

okay so that that consciousness that was

3460

02:00:05,270 --> 02:00:02,159

this

3461

02:00:08,310 --> 02:00:05,280

subset

3462

02:00:10,870 --> 02:00:08,320

of the iuoc it starts to

3463

02:00:12,950 --> 02:00:10,880

take that partition down it starts to

3464

02:00:13,830 --> 02:00:12,960

reintegrate with the individuated unit

3465

02:00:17,270 --> 02:00:13,840

of consciousness

3466

02:00:20,310 --> 02:00:17,280

life over so yes

3467

02:00:21,189 --> 02:00:20,320

that individuated unit of consciousness

3468

02:00:23,430 --> 02:00:21,199

is immortal

3469

02:00:24,550 --> 02:00:23,440

it lives on through many lifetimes just

3470

02:00:26,550 --> 02:00:24,560

because your elf dies

3471

02:00:28,709 --> 02:00:26,560

the player doesn't drop over dead you

3472

02:00:32,070 --> 02:00:28,719

know the player continues on

3473

02:00:33,109 --> 02:00:32,080

so now that uh but said instead of being

3474

02:00:36,070 --> 02:00:33,119

a player

3475

02:00:37,510 --> 02:00:36,080

where you just have all of you you know

3476

02:00:39,030 --> 02:00:37,520

you're there you're in your room you

3477

02:00:40,070 --> 02:00:39,040

know you have a refrigerator in the next

3478

02:00:41,830 --> 02:00:40,080

door and you're playing

3479

02:00:42,950 --> 02:00:41,840

and you can always put it on pause we're

3480

02:00:44,470 --> 02:00:42,960

not doing it that way we're going to

3481

02:00:46,070 --> 02:00:44,480

take a part of you

3482

02:00:48,390 --> 02:00:46,080

that's going to log on and stay with

3483

02:00:50,229 --> 02:00:48,400

that game period

3484

02:00:51,750 --> 02:00:50,239

from that point on it's just logged onto

3485

02:00:52,870 --> 02:00:51,760

that game and doesn't do anything else

3486

02:00:54,790 --> 02:00:52,880

and it starts

3487

02:00:56,950 --> 02:00:54,800

not with any memory of what it started

3488

02:01:00,390 --> 02:00:56,960

with but just with its quality

3489

02:01:02,709 --> 02:01:00,400

okay so okay so it's just a piece of you

3490

02:01:03,430 --> 02:01:02,719

all right now that you die that piece of

3491

02:01:05,350 --> 02:01:03,440

you now

3492

02:01:06,470 --> 02:01:05,360

the partition's taken down because it's

3493

02:01:08,790 --> 02:01:06,480

not logged on

3494

02:01:10,470 --> 02:01:08,800

no point logging onto a dead thing so

3495

02:01:12,550 --> 02:01:10,480

the petition's taking down that free

3496

02:01:14,709 --> 02:01:12,560

will awareness unit kind of re

3497

02:01:16,390 --> 02:01:14,719

becomes a part of the individuated unit

3498

02:01:17,910 --> 02:01:16,400

of consciousness and one more lifetime

3499

02:01:20,870 --> 02:01:17,920

of experience is there

3500

02:01:23,189 --> 02:01:20,880

for it to try to evolve from its

3501

02:01:25,109 --> 02:01:23,199

experience and then it begins

3502

02:01:28,229 --> 02:01:25,119

the individual unit of consciousness

3503

02:01:30,950 --> 02:01:28,239

starts to negotiate for another

3504

02:01:31,510 --> 02:01:30,960

another lifetime another chance to learn

3505

02:01:33,589 --> 02:01:31,520

things

3506

02:01:37,109 --> 02:01:33,599

and it repeats again it partitions off a

3507

02:01:38,629 --> 02:01:37,119

part of itself at its now new higher

3508

02:01:40,070 --> 02:01:38,639

quality of consciousness because you

3509

02:01:41,830 --> 02:01:40,080

were a good boy and you did a lot of

3510

02:01:42,790 --> 02:01:41,840

good things so now you leave the hole a

3511

02:01:46,950 --> 02:01:42,800

little higher

3512

02:01:48,870 --> 02:01:46,960

level quality of consciousness

3513

02:01:50,629 --> 02:01:48,880

and starts the thing all over again

3514

02:01:53,750 --> 02:01:50,639

starts to in you know

3515

02:01:55,669 --> 02:01:53,760

connects logs on to interesting baby

3516

02:01:56,390 --> 02:01:55,679

okay so that's the way the process works

3517

02:01:58,229 --> 02:01:56,400

so

3518

02:02:00,229 --> 02:01:58,239

you the consciousness that's making

3519

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

choices is just a subset

3520

02:02:08,550 --> 02:02:05,040

of the of you you're i'd say okay iuc

3521

02:02:11,750 --> 02:02:08,560

okay so you're the cumulative

3522

02:02:13,350 --> 02:02:11,760

part yeah now when people say you should

3523

02:02:15,189 --> 02:02:13,360

have been one should abandon their ego

3524

02:02:16,709 --> 02:02:15,199

is that somewhat approximately like

3525

02:02:18,709 --> 02:02:16,719

saying don't

3526

02:02:20,629 --> 02:02:18,719

mistaken the avatar as the orb or

3527

02:02:21,669 --> 02:02:20,639

mistaken the avatar as the individuated

3528

02:02:24,790 --> 02:02:21,679

unit of consciousness

3529

02:02:26,149 --> 02:02:24,800

or is that different no abandoning your

3530

02:02:28,709 --> 02:02:26,159

ego

3531

02:02:29,830 --> 02:02:28,719

is a little is a little different thing

3532

02:02:32,149 --> 02:02:29,840

ego

3533

02:02:33,990 --> 02:02:32,159

their first consciousness is awareness

3534

02:02:36,149 --> 02:02:34,000

that makes choices

3535

02:02:37,910 --> 02:02:36,159

simple definition of consciousness it's

3536

02:02:41,750 --> 02:02:37,920

awareness that makes choices

3537

02:02:44,629 --> 02:02:41,760

all right now ego is awareness in the

3538

02:02:51,350 --> 02:02:47,910

ego is about self it's self-focused

3539

02:02:52,390 --> 02:02:51,360

and that's because of fear so fear

3540

02:02:54,950 --> 02:02:52,400

really creates

3541

02:02:55,430 --> 02:02:54,960

ego it's awareness in the service of

3542

02:02:58,470 --> 02:02:55,440

fear

3543

02:02:58,950 --> 02:02:58,480

that's ego now given that most everybody

3544

02:03:05,270 --> 02:02:58,960

in our

3545

02:03:06,709 --> 02:03:05,280

so much so that when freud looked at

3546

02:03:08,310 --> 02:03:06,719

everybody in the world he said well

3547

02:03:09,750 --> 02:03:08,320

everybody's got ego and they seem to be

3548

02:03:10,709 --> 02:03:09,760

doing all right so it must be a good

3549

02:03:17,510 --> 02:03:10,719

thing

3550

02:03:19,109 --> 02:03:17,520

we're trying to outgrow and get rid of

3551

02:03:21,510 --> 02:03:19,119

we don't want to have our any of our

3552

02:03:25,589 --> 02:03:21,520

awareness in the service of fear

3553

02:03:28,629 --> 02:03:25,599

okay so that's so ego is

3554

02:03:31,270 --> 02:03:28,639

is that ego is is a

3555

02:03:31,910 --> 02:03:31,280

representation of your fear ego is the

3556

02:03:34,870 --> 02:03:31,920

thing

3557

02:03:36,470 --> 02:03:34,880

that tries that helps you whitewash over

3558

02:03:37,109 --> 02:03:36,480

wait wait sorry ego is a representation

3559

02:03:40,790 --> 02:03:37,119

of fear

3560

02:03:42,950 --> 02:03:40,800

put it that way

3561

02:03:44,390 --> 02:03:42,960

it represents the fear in the sense that

3562

02:03:47,270 --> 02:03:44,400

what the ego does

3563

02:03:49,510 --> 02:03:47,280

is it tries to make you feel better

3564

02:03:52,790 --> 02:03:49,520

about the fear it whitewashes the fear

3565

02:03:54,149 --> 02:03:52,800

the fear says oh you know i feel

3566

02:03:57,669 --> 02:03:54,159

terribly inadequate

3567

02:04:00,550 --> 02:03:57,679

and the ego says oh i'm not inadequate

3568

02:04:02,709 --> 02:04:00,560

that person's just a you know just a

3569

02:04:04,149 --> 02:04:02,719

crud that person's really stupid

3570

02:04:06,149 --> 02:04:04,159

they just think i'm inadequate because

3571

02:04:09,510 --> 02:04:06,159

they're so stupid that's the ego

3572

02:04:11,109 --> 02:04:09,520

that tries to whitewash over the fear so

3573

02:04:13,990 --> 02:04:11,119

you don't have to deal with that fear

3574

02:04:15,109 --> 02:04:14,000

you blame it on somebody else oh i don't

3575

02:04:17,030 --> 02:04:15,119

get angry

3576
02:04:18,149 --> 02:04:17,040
george makes me angry could you feel

3577
02:04:20,629 --> 02:04:18,159
fear without an ego

3578
02:04:21,189 --> 02:04:20,639
and could you have an ego without fear

3579
02:04:23,669 --> 02:04:21,199
if you

3580
02:04:25,750 --> 02:04:23,679
didn't have any fear you wouldn't have

3581
02:04:28,950 --> 02:04:25,760
any ego

3582
02:04:32,069 --> 02:04:28,960
okay and if you can you have an ego

3583
02:04:36,310 --> 02:04:33,990
sorry i think those are equivalent no

3584
02:04:39,350 --> 02:04:36,320
yeah you you can't let me restate it

3585
02:04:40,550 --> 02:04:39,360
let me restate it i'm wondering about

3586
02:04:44,310 --> 02:04:40,560
the implication arrow so

3587
02:04:47,430 --> 02:04:44,320
does fear always imply an ego

3588
02:04:51,030 --> 02:04:47,440

yes okay now does ego always imply a

3589

02:04:56,709 --> 02:04:54,310

yes okay so then

3590

02:04:59,109 --> 02:04:56,719

i know you don't like when i do this but

3591

02:05:01,510 --> 02:04:59,119

to take it a bit mathematically though

3592

02:05:02,709 --> 02:05:01,520

it's how you it's yeah they're they're

3593

02:05:04,550 --> 02:05:02,719

equivalent but it doesn't mean they're

3594

02:05:07,189 --> 02:05:04,560

the same

3595

02:05:08,310 --> 02:05:07,199

right right does not mean isomorphic is

3596

02:05:10,790 --> 02:05:08,320

not the same right yeah

3597

02:05:13,109 --> 02:05:10,800

that's different so because you because

3598

02:05:15,350 --> 02:05:13,119

ego is a product of fear

3599

02:05:16,870 --> 02:05:15,360

then you're not going to have an ego if

3600

02:05:20,229 --> 02:05:16,880

you don't have any fear

3601

02:05:22,790 --> 02:05:20,239

and if you have an ego well then you

3602

02:05:24,229 --> 02:05:22,800

have must have fear because ego is a

3603

02:05:26,709 --> 02:05:24,239

product of fear

3604

02:05:27,830 --> 02:05:26,719

you say so they're different but they're

3605

02:05:30,310 --> 02:05:27,840

not equivalent

3606

02:05:32,229 --> 02:05:30,320

they're not the same thing one produces

3607

02:05:34,310 --> 02:05:32,239

the other so you can't have

3608

02:05:36,229 --> 02:05:34,320

you can't have something produced that

3609

02:05:39,510 --> 02:05:36,239

doesn't have the thing that produced it

3610

02:05:42,870 --> 02:05:39,520

wait well okay i need i mean

3611

02:05:43,830 --> 02:05:42,880

let's get to let's get to the npr

3612

02:05:45,750 --> 02:05:43,840

experiences

3613

02:05:47,030 --> 02:05:45,760

because there were two extremely

3614

02:05:47,430 --> 02:05:47,040

interesting parts of the book not just

3615

02:05:50,229 --> 02:05:47,440

two

3616

02:05:51,270 --> 02:05:50,239

out to me that i desperately want to

3617

02:05:53,270 --> 02:05:51,280

talk to you about

3618

02:05:54,709 --> 02:05:53,280

so one is your first experience where

3619

02:05:56,870 --> 02:05:54,719

you went in and

3620

02:05:58,149 --> 02:05:56,880

you had such uh transcendence from

3621

02:06:00,069 --> 02:05:58,159

transcendental meditation that you

3622

02:06:03,669 --> 02:06:00,079

almost fell off your chair

3623

02:06:05,990 --> 02:06:03,679

okay i don't believe in that time you

3624

02:06:07,189 --> 02:06:06,000

spoke to other beings but at some point

3625

02:06:09,109 --> 02:06:07,199

i believe when you were younger you

3626
02:06:10,629 --> 02:06:09,119
spoke to some beings and then when you

3627
02:06:11,830 --> 02:06:10,639
were older you recalled it and then you

3628
02:06:16,310 --> 02:06:11,840
were able to do it

3629
02:06:18,550 --> 02:06:16,320
some more okay now uh

3630
02:06:19,350 --> 02:06:18,560
like that's super super super super

3631
02:06:21,750 --> 02:06:19,360
interesting

3632
02:06:23,270 --> 02:06:21,760
because well the implications for that

3633
02:06:24,229 --> 02:06:23,280
now everything i'm saying if ever it

3634
02:06:27,270 --> 02:06:24,239
sounds like critiques

3635
02:06:28,950 --> 02:06:27,280
please i desperately want to believe

3636
02:06:30,470 --> 02:06:28,960
in i know you don't like belief but i

3637
02:06:31,510 --> 02:06:30,480
doesn't really work yeah i don't want

3638
02:06:33,109 --> 02:06:31,520

you to believe i want you

3639

02:06:35,030 --> 02:06:33,119

to experience it for yourself i

3640

02:06:37,189 --> 02:06:35,040

understand

3641

02:06:38,709 --> 02:06:37,199

it would be great if all of what you

3642

02:06:40,550 --> 02:06:38,719

were saying was absolutely true

3643

02:06:42,069 --> 02:06:40,560

and so if you see what i'm doing as

3644

02:06:42,709 --> 02:06:42,079

almost poking and prodding please it's

3645

02:06:44,870 --> 02:06:42,719

like

3646

02:06:46,950 --> 02:06:44,880

i want to believe and so i need to i

3647

02:06:49,589 --> 02:06:46,960

don't need i don't get great i don't

3648

02:06:50,149 --> 02:06:49,599

care about poking and priding poke and

3649

02:06:52,870 --> 02:06:50,159

prod

3650

02:06:53,990 --> 02:06:52,880

all you like feel free to ask the hard

3651
02:06:55,270 --> 02:06:54,000
drive but it's coming from it's coming

3652
02:06:55,750 --> 02:06:55,280
from a good place i just want you to

3653
02:06:56,950 --> 02:06:55,760
know that

3654
02:06:58,790 --> 02:06:56,960
okay i'm not trying to make you look

3655
02:07:00,550 --> 02:06:58,800
foolish in the least no that's not the

3656
02:07:01,669 --> 02:07:00,560
point i don't mind hard questions if you

3657
02:07:03,510 --> 02:07:01,679
want to say well how do you know you're

3658
02:07:05,109 --> 02:07:03,520
just not making all this up

3659
02:07:07,109 --> 02:07:05,119
oh yeah yeah okay so let's go let's get

3660
02:07:08,069 --> 02:07:07,119
to a little bit of fallibility i don't

3661
02:07:09,589 --> 02:07:08,079
mind

3662
02:07:11,189 --> 02:07:09,599
when it comes to the two part there's an

3663
02:07:12,310 --> 02:07:11,199

intellect and then there's an intuitive

3664

02:07:15,109 --> 02:07:12,320

part of you

3665

02:07:16,629 --> 02:07:15,119

now the intuitive part is notoriously

3666

02:07:19,990 --> 02:07:16,639

fallible

3667

02:07:20,790 --> 02:07:20,000

and airy yeah for most people that's not

3668

02:07:23,510 --> 02:07:20,800

its nature

3669

02:07:23,990 --> 02:07:23,520

it's just that way in most people well

3670

02:07:26,550 --> 02:07:24,000

we can

3671

02:07:28,310 --> 02:07:26,560

say that it is somewhat in nature only

3672

02:07:29,910 --> 02:07:28,320

because

3673

02:07:31,510 --> 02:07:29,920

well as far as we know animals don't

3674

02:07:33,189 --> 02:07:31,520

have much of an intellect and

3675

02:07:35,109 --> 02:07:33,199

when we were in our more tribal states

3676

02:07:37,910 --> 02:07:35,119

there was much more war and famine

3677

02:07:39,350 --> 02:07:37,920

and brutality let's say obviously we

3678

02:07:40,870 --> 02:07:39,360

magnify that because of our intellect

3679

02:07:43,109 --> 02:07:40,880

with nuclear weapons and so on

3680

02:07:44,310 --> 02:07:43,119

well let me make one statement about the

3681

02:07:45,990 --> 02:07:44,320

about what you said that maybe you'll

3682

02:07:49,589 --> 02:07:46,000

help clear things up

3683

02:07:52,470 --> 02:07:49,599

your intuition can be just as

3684

02:07:53,350 --> 02:07:52,480

accurate and just as reliable as your

3685

02:07:56,709 --> 02:07:53,360

intellect

3686

02:07:57,589 --> 02:07:56,719

yes just have to develop it okay in our

3687

02:08:00,629 --> 02:07:57,599

culture

3688

02:08:02,310 --> 02:08:00,639

we don't develop it we just develop our

3689

02:08:04,550 --> 02:08:02,320

intellect and we spend you know

3690

02:08:05,990 --> 02:08:04,560

20 or 30 years going through school and

3691

02:08:07,669 --> 02:08:06,000

graduate school and you know we go to

3692

02:08:10,709 --> 02:08:07,679

college with all this stuff

3693

02:08:12,950 --> 02:08:10,719

to develop our intellect we do nothing

3694

02:08:13,830 --> 02:08:12,960

to develop our intuition so our

3695

02:08:16,790 --> 02:08:13,840

intuition

3696

02:08:17,510 --> 02:08:16,800

is terribly undeveloped if we didn't go

3697

02:08:19,430 --> 02:08:17,520

to school

3698

02:08:21,030 --> 02:08:19,440

and develop our intellect that wouldn't

3699

02:08:22,709 --> 02:08:21,040

be working very well either we wouldn't

3700

02:08:25,910 --> 02:08:22,719

have much of an intellect

3701

02:08:29,510 --> 02:08:25,920

so we your intuition

3702

02:08:31,270 --> 02:08:29,520

can be as accurate and as reliable

3703

02:08:33,510 --> 02:08:31,280

as your int you know your intuition can

3704

02:08:34,390 --> 02:08:33,520

be as accurate and as reliable as your

3705

02:08:37,589 --> 02:08:34,400

intellect

3706

02:08:41,589 --> 02:08:37,599

it's just that we don't develop it

3707

02:08:44,709 --> 02:08:41,599

if we did develop it we could use it

3708

02:08:46,870 --> 02:08:44,719

as a as a very professional yeah and is

3709

02:08:48,069 --> 02:08:46,880

one of the claims the way that we

3710

02:08:50,790 --> 02:08:48,079

develop it is through

3711

02:08:52,149 --> 02:08:50,800

love because the way that i would

3712

02:08:53,270 --> 02:08:52,159

understand that we develop it at least

3713

02:08:55,510 --> 02:08:53,280

through my research

3714

02:08:56,709 --> 02:08:55,520

as unspecific as this sounds is through

3715

02:08:58,470 --> 02:08:56,719

truth and love

3716

02:09:00,470 --> 02:08:58,480

but love and truth are so tricky to

3717

02:09:01,750 --> 02:09:00,480

define but we have an intuitive notion

3718

02:09:02,950 --> 02:09:01,760

of them like we know when we're lying we

3719

02:09:04,629 --> 02:09:02,960

know when we're deceiving we know and

3720

02:09:06,870 --> 02:09:04,639

we're manipulating

3721

02:09:08,709 --> 02:09:06,880

you develop that intelligence yeah you

3722

02:09:10,149 --> 02:09:08,719

develop that intuitive space

3723

02:09:12,149 --> 02:09:10,159

a couple of there's a couple of things

3724

02:09:15,189 --> 02:09:12,159

that are required to develop it

3725

02:09:16,149 --> 02:09:15,199

and in the process of developing that

3726

02:09:18,470 --> 02:09:16,159

intuitive space

3727

02:09:20,709 --> 02:09:18,480

you often do evolve some and become a

3728

02:09:23,750 --> 02:09:20,719

little more loved so they're connected

3729

02:09:25,830 --> 02:09:23,760

but it's not that love you know really

3730

02:09:28,870 --> 02:09:25,840

develops the intuitive space it's like a

3731

02:09:31,109 --> 02:09:28,880

a product of developing that it

3732

02:09:32,950 --> 02:09:31,119

i think it comes with it because you

3733

02:09:34,629 --> 02:09:32,960

made an analogy between

3734

02:09:36,870 --> 02:09:34,639

love and the lowering of the entropy

3735

02:09:38,550 --> 02:09:36,880

sorry love is the lowered state of

3736

02:09:39,830 --> 02:09:38,560

entropy whereas the process of lowering

3737

02:09:43,589 --> 02:09:39,840

love is something different than love

3738

02:09:46,950 --> 02:09:43,599

yeah okay so this intuitive side

3739

02:09:49,350 --> 02:09:46,960

one you have to reduce the noise level

3740

02:09:50,149 --> 02:09:49,360

in your mind this intuitive state is a

3741

02:09:52,149 --> 02:09:50,159

mental thing

3742

02:09:53,990 --> 02:09:52,159

right so first you have to reduce the

3743

02:09:55,109 --> 02:09:54,000

noise that's what you learn when you

3744

02:09:57,750 --> 02:09:55,119

meditate you learn

3745

02:09:58,229 --> 02:09:57,760

to reduce the noise so you don't have

3746

02:10:00,870 --> 02:09:58,239

these

3747

02:10:02,310 --> 02:10:00,880

thoughts buzzing through your mind all

3748

02:10:03,990 --> 02:10:02,320

the time what am i going to do next what

3749

02:10:06,790 --> 02:10:04,000

about this i should read that other book

3750

02:10:07,669 --> 02:10:06,800

what's for dinner tonight you know do

3751

02:10:08,790 --> 02:10:07,679

psychedelics

3752

02:10:10,870 --> 02:10:08,800

also help with this or is that

3753

02:10:14,229 --> 02:10:10,880

completely different psychedelics are

3754

02:10:14,629 --> 02:10:14,239

basically a real bad idea at least if

3755

02:10:17,990 --> 02:10:14,639

you

3756

02:10:19,669 --> 02:10:18,000

use them more than once

3757

02:10:21,270 --> 02:10:19,679

more than once or twice they're a very

3758

02:10:22,229 --> 02:10:21,280

bad idea so i don't recommend

3759

02:10:24,069 --> 02:10:22,239

psychedelics

3760

02:10:25,270 --> 02:10:24,079

they give you an experience but an

3761

02:10:31,510 --> 02:10:25,280

experience

3762

02:10:33,109 --> 02:10:31,520

it's it's what you it's what you make of

3763

02:10:34,709 --> 02:10:33,119

the experience it's the process of

3764

02:10:36,709 --> 02:10:34,719

having that experience of getting there

3765

02:10:39,910 --> 02:10:36,719

and coming back and so on it's the

3766

02:10:43,510 --> 02:10:39,920

it's the journey not just the experience

3767

02:10:47,030 --> 02:10:43,520

so having the experiences is

3768

02:10:47,830 --> 02:10:47,040

maybe a it may be a wow and it may be

3769

02:10:49,189 --> 02:10:47,840

something that

3770

02:10:51,270 --> 02:10:49,199

you feel like it's a you know a

3771

02:10:52,310 --> 02:10:51,280

life-changing event but it really

3772

02:10:53,910 --> 02:10:52,320

doesn't change much

3773

02:10:56,149 --> 02:10:53,920

it's it's how you integrate that

3774

02:10:57,510 --> 02:10:56,159

experience the context in which you have

3775

02:11:00,790 --> 02:10:57,520

the experience

3776

02:11:02,950 --> 02:11:00,800

and being shot up you know like a rocket

3777

02:11:04,950 --> 02:11:02,960

because you're taking a drug yeah

3778

02:11:06,229 --> 02:11:04,960

definitely big experience but

3779

02:11:08,149 --> 02:11:06,239

it's not really going to take you

3780

02:11:09,750 --> 02:11:08,159

anywhere significant is there nothing

3781

02:11:11,750 --> 02:11:09,760

salutary to say about

3782

02:11:13,270 --> 02:11:11,760

psychedelics because there are

3783

02:11:14,310 --> 02:11:13,280

experiences that people feel

3784

02:11:16,470 --> 02:11:14,320

and then they come back and it's

3785

02:11:18,870 --> 02:11:16,480

something like a 70 70

3786

02:11:19,910 --> 02:11:18,880

of people five years later so almost

3787

02:11:21,830 --> 02:11:19,920

permanent effect

3788

02:11:24,069 --> 02:11:21,840

a one standard deviation in the feelings

3789

02:11:25,669 --> 02:11:24,079

of openness and feelings of compassion

3790

02:11:27,510 --> 02:11:25,679

as self-reported and reported by their

3791

02:11:29,109 --> 02:11:27,520

family members so that's why

3792

02:11:31,270 --> 02:11:29,119

it seems like whether or not they're

3793

02:11:33,589 --> 02:11:31,280

experiencing something real

3794

02:11:34,629 --> 02:11:33,599

quote unquote it seems like it's as a

3795

02:11:35,750 --> 02:11:34,639

whole good

3796

02:11:37,750 --> 02:11:35,760

i'm not saying you're denigrating

3797

02:11:38,149 --> 02:11:37,760

experiences but why are you putting them

3798

02:11:39,910 --> 02:11:38,159

at a

3799

02:11:41,350 --> 02:11:39,920

second here i'm putting it this way

3800

02:11:43,350 --> 02:11:41,360

because

3801
02:11:45,990 --> 02:11:43,360
it's the same thing about the difference

3802
02:11:48,470 --> 02:11:46,000
between acting kind and being kind

3803
02:11:50,229 --> 02:11:48,480
okay so the experience is something that

3804
02:11:52,709 --> 02:11:50,239
your intellect

3805
02:11:53,430 --> 02:11:52,719
has it's your experience this is what

3806
02:12:00,310 --> 02:11:53,440
you

3807
02:12:03,350 --> 02:12:00,320
now that experience can be

3808
02:12:04,310 --> 02:12:03,360
amazing and can be life-changing but if

3809
02:12:07,030 --> 02:12:04,320
it doesn't

3810
02:12:08,069 --> 02:12:07,040
get from your intellect down into your

3811
02:12:10,870 --> 02:12:08,079
being level

3812
02:12:12,390 --> 02:12:10,880
down into your intuitive side then you

3813
02:12:14,550 --> 02:12:12,400

will just

3814

02:12:15,510 --> 02:12:14,560

it'll be a way you act but it won't

3815

02:12:19,510 --> 02:12:15,520

change who you

3816

02:12:22,229 --> 02:12:19,520

are that's the difference now

3817

02:12:24,069 --> 02:12:22,239

some people uh you know take drugs and

3818

02:12:25,430 --> 02:12:24,079

once they take a drug and they kind of

3819

02:12:27,990 --> 02:12:25,440

get that vision

3820

02:12:28,790 --> 02:12:28,000

and they see this bigger picture then

3821

02:12:30,229 --> 02:12:28,800

they start

3822

02:12:31,990 --> 02:12:30,239

searching they go to the internet and

3823

02:12:33,030 --> 02:12:32,000

what's going on has anybody else seen

3824

02:12:35,750 --> 02:12:33,040

things like that

3825

02:12:37,030 --> 02:12:35,760

and then they become seekers that's good

3826

02:12:38,629 --> 02:12:37,040

okay now that drug

3827

02:12:39,830 --> 02:12:38,639

event was a good thing in their life

3828

02:12:40,870 --> 02:12:39,840

because it pushed them in the right

3829

02:12:42,790 --> 02:12:40,880

direction

3830

02:12:44,390 --> 02:12:42,800

what's bad about drugs is if you take

3831

02:12:47,350 --> 02:12:44,400

that experience

3832

02:12:48,229 --> 02:12:47,360

and you don't make the effort and do the

3833

02:12:50,629 --> 02:12:48,239

work

3834

02:12:52,069 --> 02:12:50,639

to learn about it to internalize it to

3835

02:12:54,629 --> 02:12:52,079

grow up from it

3836

02:12:55,910 --> 02:12:54,639

then you want another one because that

3837

02:12:57,750 --> 02:12:55,920

one was kind of cool well let's do it

3838

02:13:00,069 --> 02:12:57,760

again and let's do it again

3839

02:13:02,870 --> 02:13:00,079

and you become convinced in your own

3840

02:13:04,709 --> 02:13:02,880

mind that you are much more spiritual

3841

02:13:06,550 --> 02:13:04,719

than you were and you should think big

3842

02:13:07,109 --> 02:13:06,560

thoughts and that you act better and so

3843

02:13:08,790 --> 02:13:07,119

on

3844

02:13:10,629 --> 02:13:08,800

and you may actually act a little better

3845

02:13:12,229 --> 02:13:10,639

but the point is are you growing up are

3846

02:13:16,229 --> 02:13:12,239

you changing yourself

3847

02:13:19,189 --> 02:13:16,239

is the real um what's the word uh

3848

02:13:20,069 --> 02:13:19,199

authentic you different than you were

3849

02:13:22,390 --> 02:13:20,079

before

3850

02:13:26,470 --> 02:13:22,400

and yeah a little example of this as far

3851

02:13:30,950 --> 02:13:29,830

his name escapes me now he did research

3852

02:13:34,229 --> 02:13:30,960

pretty good research

3853

02:13:36,149 --> 02:13:34,239

with um dmt

3854

02:13:39,189 --> 02:13:36,159

strassman or something like that

3855

02:13:41,030 --> 02:13:39,199

strasberg straussman

3856

02:13:43,030 --> 02:13:41,040

anyway he did dmz research so he got a

3857

02:13:44,470 --> 02:13:43,040

bunch of people around and over a year

3858

02:13:46,229 --> 02:13:44,480

so he got these people gave him

3859

02:13:48,310 --> 02:13:46,239

psychology tests you know

3860

02:13:49,910 --> 02:13:48,320

interviewed them really got into their

3861

02:13:51,430 --> 02:13:49,920

minds and who they were and what they

3862

02:13:53,910 --> 02:13:51,440

were and attitudes and

3863

02:13:55,030 --> 02:13:53,920

then he'd give them some dmt and and in

3864

02:13:57,750 --> 02:13:55,040

a very controlled

3865

02:13:59,589 --> 02:13:57,760

situation they had experiences they

3866

02:14:02,069 --> 02:13:59,599

described these as life-changing

3867

02:14:05,270 --> 02:14:02,079

experiences they saw big pictures they

3868

02:14:06,550 --> 02:14:05,280

they learned and so on well after all

3869

02:14:08,550 --> 02:14:06,560

that was done

3870

02:14:09,750 --> 02:14:08,560

and each of them had had probably a

3871

02:14:12,229 --> 02:14:09,760

dozen or more

3872

02:14:14,310 --> 02:14:12,239

trips maybe twice that many i don't know

3873

02:14:15,430 --> 02:14:14,320

but when the research was done he waited

3874

02:14:17,189 --> 02:14:15,440

for

3875

02:14:19,430 --> 02:14:17,199

six months or a year or two i don't

3876
02:14:21,430 --> 02:14:19,440
remember maybe as much as five and he

3877
02:14:23,350 --> 02:14:21,440
got all the people back together again

3878
02:14:25,030 --> 02:14:23,360
and ran them through all those same

3879
02:14:26,069 --> 02:14:25,040
psychological tests and who they were

3880
02:14:27,350 --> 02:14:26,079
and what they thought and what their

3881
02:14:29,910 --> 02:14:27,360
attitudes were

3882
02:14:31,990 --> 02:14:29,920
you couldn't find any difference he said

3883
02:14:33,669 --> 02:14:32,000
for all the times he heard this has

3884
02:14:36,550 --> 02:14:33,679
changed my life

3885
02:14:38,149 --> 02:14:36,560
it didn't really seem to change

3886
02:14:41,109 --> 02:14:38,159
anybody's life

3887
02:14:43,189 --> 02:14:41,119
so most of that is perception of the

3888
02:14:46,390 --> 02:14:43,199

person who has seen those things and

3889

02:14:48,390 --> 02:14:46,400

feels smarter bigger and better and it

3890

02:14:49,589 --> 02:14:48,400

reminds me of a bunch of drunks sitting

3891

02:14:52,790 --> 02:14:49,599

around a table

3892

02:14:53,990 --> 02:14:52,800

all of whom feel brilliant and in one

3893

02:14:56,709 --> 02:14:54,000

night of

3894

02:14:58,229 --> 02:14:56,719

of uh imbibing they saw of all the

3895

02:15:00,790 --> 02:14:58,239

problems of the world and uh

3896

02:15:02,149 --> 02:15:00,800

you know in a in a perfect way go home

3897

02:15:04,709 --> 02:15:02,159

and the next morning can't really

3898

02:15:08,149 --> 02:15:04,719

remember what those solutions were

3899

02:15:08,870 --> 02:15:08,159

i think it's uh it's more of for most

3900

02:15:12,310 --> 02:15:08,880

people

3901
02:15:13,589 --> 02:15:12,320
it changes them at the intellectual

3902
02:15:16,629 --> 02:15:13,599
level

3903
02:15:18,069 --> 02:15:16,639
and it changes their perceptions but it

3904
02:15:21,109 --> 02:15:18,079
doesn't necessarily change

3905
02:15:23,030 --> 02:15:21,119
them now that's a generalization i'm not

3906
02:15:23,910 --> 02:15:23,040
saying that that is the way it is for

3907
02:15:26,069 --> 02:15:23,920
everybody

3908
02:15:27,589 --> 02:15:26,079
i'm just saying that typically people

3909
02:15:31,189 --> 02:15:27,599
who take drugs

3910
02:15:34,550 --> 02:15:31,199
tend to think that they are

3911
02:15:36,310 --> 02:15:34,560
different fundamentally when mostly they

3912
02:15:38,390 --> 02:15:36,320
didn't grow up much from it at all

3913
02:15:41,350 --> 02:15:38,400

for them it was like a roller coaster

3914

02:15:43,830 --> 02:15:41,360

ride a peak experience

3915

02:15:45,750 --> 02:15:43,840

but if it doesn't change you so that

3916

02:15:47,990 --> 02:15:45,760

experience has to get from the intellect

3917

02:15:48,950 --> 02:15:48,000

down into where you actually change who

3918

02:15:51,750 --> 02:15:48,960

you are

3919

02:15:53,510 --> 02:15:51,760

otherwise there's no growth can

3920

02:15:55,910 --> 02:15:53,520

experiences induce a change

3921

02:15:57,350 --> 02:15:55,920

without you having to try just because

3922

02:15:57,830 --> 02:15:57,360

you've experienced it for whatever

3923

02:15:59,510 --> 02:15:57,840

reason

3924

02:16:01,589 --> 02:15:59,520

like let's say neo coming out of the

3925

02:16:02,790 --> 02:16:01,599

matrix that i would imagine would

3926

02:16:04,950 --> 02:16:02,800

fundamentally change them

3927

02:16:06,709 --> 02:16:04,960

without trying it just shocks him into

3928

02:16:09,030 --> 02:16:06,719

change and then he no longer wants to be

3929

02:16:12,310 --> 02:16:09,040

in the matrix yeah well what it does

3930

02:16:14,310 --> 02:16:12,320

is it is it reorients his understanding

3931

02:16:17,030 --> 02:16:14,320

of what reality is

3932

02:16:18,470 --> 02:16:17,040

and understands an understanding of

3933

02:16:20,550 --> 02:16:18,480

what's important and what's not

3934

02:16:22,229 --> 02:16:20,560

you know it totally reorients his

3935

02:16:23,109 --> 02:16:22,239

reality so all the things he used to

3936

02:16:25,750 --> 02:16:23,119

believe

3937

02:16:26,229 --> 02:16:25,760

well now he realizes those things

3938

02:16:28,550 --> 02:16:26,239

weren't

3939

02:16:29,910 --> 02:16:28,560

so some there's some other different

3940

02:16:33,349 --> 02:16:29,920

reality here

3941

02:16:36,469 --> 02:16:33,359

and if he really takes that

3942

02:16:37,669 --> 02:16:36,479

in and says oh this is the way it is and

3943

02:16:39,589 --> 02:16:37,679

he sees it

3944

02:16:41,030 --> 02:16:39,599

and he's convinced that then yes it's

3945

02:16:43,270 --> 02:16:41,040

changed him so an experience

3946

02:16:44,389 --> 02:16:43,280

can change you at a deep level and some

3947

02:16:46,790 --> 02:16:44,399

people can have

3948

02:16:48,709 --> 02:16:46,800

transcendental you know awakenings and

3949

02:16:52,070 --> 02:16:48,719

experiences and it does change them

3950

02:16:54,790 --> 02:16:52,080

at a very deep level most people

3951
02:16:56,389 --> 02:16:54,800
not so much much if it takes if it comes

3952
02:16:58,309 --> 02:16:56,399
from drugs didn't get any worse

3953
02:17:00,389 --> 02:16:58,319
and when they hit bottom they begin to

3954
02:17:02,709 --> 02:17:00,399
think of you know

3955
02:17:04,469 --> 02:17:02,719
well what else can i do what else is

3956
02:17:05,429 --> 02:17:04,479
there i'm done i'm at the bottom i have

3957
02:17:07,589 --> 02:17:05,439
to stop contr

3958
02:17:08,870 --> 02:17:07,599
trying to control my reality i got to

3959
02:17:11,110 --> 02:17:08,880
just accept it

3960
02:17:11,990 --> 02:17:11,120
and once they start accepting and stop

3961
02:17:13,910 --> 02:17:12,000
controlling

3962
02:17:15,750 --> 02:17:13,920
oh suddenly they get better and better

3963
02:17:16,790 --> 02:17:15,760

and you know six months later they're a

3964

02:17:18,950 --> 02:17:16,800

whole new person

3965

02:17:20,709 --> 02:17:18,960

they've grown up they've transcended

3966

02:17:21,669 --> 02:17:20,719

this problem of needing to control

3967

02:17:23,509 --> 02:17:21,679

everything

3968

02:17:24,950 --> 02:17:23,519

and now they can let things go okay it's

3969

02:17:26,950 --> 02:17:24,960

a growing experience

3970

02:17:28,709 --> 02:17:26,960

so you can have experiences and come out

3971

02:17:30,709 --> 02:17:28,719

of them grown up more

3972

02:17:32,549 --> 02:17:30,719

than when you went into them but that's

3973

02:17:34,469 --> 02:17:32,559

because there was the context

3974

02:17:36,790 --> 02:17:34,479

the context of the journey of getting

3975

02:17:39,830 --> 02:17:36,800

there of the dissension of the pain

3976

02:17:40,950 --> 02:17:39,840

of the being there of giving up and then

3977

02:17:43,270 --> 02:17:40,960

when you give up

3978

02:17:44,230 --> 02:17:43,280

control you start to come back up the

3979

02:17:47,270 --> 02:17:44,240

other side

3980

02:17:49,349 --> 02:17:47,280

so within that context they can change

3981

02:17:52,469 --> 02:17:49,359

themselves but the context is

3982

02:17:53,349 --> 02:17:52,479

well i swallowed a drug and i had this

3983

02:17:55,669 --> 02:17:53,359

experience

3984

02:17:57,830 --> 02:17:55,679

and then i woke up the next day where's

3985

02:18:00,389 --> 02:17:57,840

the context where's the learning context

3986

02:18:03,429 --> 02:18:00,399

you see so most people that do that

3987

02:18:05,910 --> 02:18:03,439

have a harder time growing from it than

3988

02:18:09,190 --> 02:18:05,920

if they actually have a meaningful

3989

02:18:10,070 --> 02:18:09,200

journey to get there taking a drug is

3990

02:18:11,910 --> 02:18:10,080

not a meaningful

3991

02:18:14,230 --> 02:18:11,920

journey it's just wham there's the

3992

02:18:16,709 --> 02:18:14,240

experience oh now it's over

3993

02:18:18,309 --> 02:18:16,719

you feel bad you feel sick depending on

3994

02:18:21,270 --> 02:18:18,319

what kind of drug you take

3995

02:18:22,389 --> 02:18:21,280

and uh that's the end of it whereas if

3996

02:18:25,190 --> 02:18:22,399

you spend time

3997

02:18:25,990 --> 02:18:25,200

meditating clearing your mind getting

3998

02:18:27,990 --> 02:18:26,000

focused

3999

02:18:29,270 --> 02:18:28,000

being able to shut the intellect down

4000

02:18:31,750 --> 02:18:29,280

being able to con

4001
02:18:33,110 --> 02:18:31,760
to make connection to information that's

4002
02:18:34,549 --> 02:18:33,120
that's intuitive

4003
02:18:36,469 --> 02:18:34,559
well now that's the thing that's going

4004
02:18:38,230 --> 02:18:36,479
to take you years to do and a lot of

4005
02:18:40,709 --> 02:18:38,240
effort and work and you're going to work

4006
02:18:41,910 --> 02:18:40,719
on getting it more reliable and

4007
02:18:43,589 --> 02:18:41,920
understanding it

4008
02:18:45,750 --> 02:18:43,599
and when you get there you're a

4009
02:18:47,349 --> 02:18:45,760
different person but it's not just

4010
02:18:48,070 --> 02:18:47,359
because of the experience you had it's

4011
02:18:50,150 --> 02:18:48,080
because of the

4012
02:18:51,589 --> 02:18:50,160
all the things you learned along the way

4013
02:18:52,150 --> 02:18:51,599

it's the context in which that

4014

02:18:54,309 --> 02:18:52,160

experience

4015

02:18:55,990 --> 02:18:54,319

happened so without the context and

4016

02:18:57,750 --> 02:18:56,000

drugs doesn't have a contract

4017

02:18:59,669 --> 02:18:57,760

other than swallowing pills or drinking

4018

02:19:01,589 --> 02:18:59,679

a liquid and

4019

02:19:03,190 --> 02:19:01,599

that just doesn't help most people grow

4020

02:19:05,030 --> 02:19:03,200

up very much

4021

02:19:06,950 --> 02:19:05,040

but they feel more grown up because they

4022

02:19:08,870 --> 02:19:06,960

had this fantastic

4023

02:19:10,150 --> 02:19:08,880

experience they saw the world as it

4024

02:19:13,990 --> 02:19:10,160

really was

4025

02:19:16,469 --> 02:19:14,000

and okay they've seen that but now

4026
02:19:17,910 --> 02:19:16,479
how is that going to change who they are

4027
02:19:20,309 --> 02:19:17,920
for the most

4028
02:19:22,150 --> 02:19:20,319
the time it doesn't that doesn't mean it

4029
02:19:24,150 --> 02:19:22,160
can't it just means

4030
02:19:25,750 --> 02:19:24,160
most people that doesn't as far as i

4031
02:19:28,629 --> 02:19:25,760
know in the research for with

4032
02:19:30,230 --> 02:19:28,639
maps which studies psychedelics somewhat

4033
02:19:32,629 --> 02:19:30,240
assiduously the reports are that

4034
02:19:33,190 --> 02:19:32,639
people's families report them as being

4035
02:19:35,830 --> 02:19:33,200
and

4036
02:19:37,110 --> 02:19:35,840
something like a 70 i'm not advocating

4037
02:19:38,070 --> 02:19:37,120
for drugs so people who are listening

4038
02:19:40,469 --> 02:19:38,080

please don't take this

4039

02:19:42,469 --> 02:19:40,479

but something like 70 of the people have

4040

02:19:43,830 --> 02:19:42,479

self-reports that they're more spiritual

4041

02:19:45,990 --> 02:19:43,840

and open but you're like well

4042

02:19:47,669 --> 02:19:46,000

forget about self-report you can take

4043

02:19:48,710 --> 02:19:47,679

cannabis and say you drive better

4044

02:19:49,349 --> 02:19:48,720

because you're assessing yourself when

4045

02:19:52,150 --> 02:19:49,359

you're on

4046

02:19:52,469 --> 02:19:52,160

cannabis well the family reports too

4047

02:19:54,309 --> 02:19:52,479

yeah

4048

02:19:55,910 --> 02:19:54,319

in a way they would be because they come

4049

02:19:57,910 --> 02:19:55,920

back and

4050

02:19:59,590 --> 02:19:57,920

because they've had this big experience

4051

02:20:01,190 --> 02:19:59,600

they have a larger picture

4052

02:20:02,630 --> 02:20:01,200

they have this they have this larger

4053

02:20:04,309 --> 02:20:02,640

picture they see that

4054

02:20:06,230 --> 02:20:04,319

and intellectually they've gained

4055

02:20:07,670 --> 02:20:06,240

perspective

4056

02:20:08,790 --> 02:20:07,680

is there a reality to this larger

4057

02:20:09,750 --> 02:20:08,800

picture that's induced by the

4058

02:20:12,710 --> 02:20:09,760

psychedelics or

4059

02:20:13,110 --> 02:20:12,720

is it false and the true way to truly

4060

02:20:14,870 --> 02:20:13,120

see

4061

02:20:16,710 --> 02:20:14,880

let's say you have to go through years

4062

02:20:18,790 --> 02:20:16,720

of meditation are they opening the same

4063

02:20:20,630 --> 02:20:18,800

doors in other words or similar doors

4064

02:20:21,910 --> 02:20:20,640

no it's not false it's real they're

4065

02:20:24,550 --> 02:20:21,920

going into the

4066

02:20:26,230 --> 02:20:24,560

you know they're going to call it npr

4067

02:20:28,710 --> 02:20:26,240

yeah they're going into the same

4068

02:20:30,870 --> 02:20:28,720

kind of mental space it's just mind it's

4069

02:20:32,550 --> 02:20:30,880

mine space it's not

4070

02:20:34,630 --> 02:20:32,560

you know it's not a special place it's

4071

02:20:35,190 --> 02:20:34,640

mind space when they take that drug then

4072

02:20:37,670 --> 02:20:35,200

they're

4073

02:20:38,790 --> 02:20:37,680

taking an adventure in mind space it's a

4074

02:20:40,710 --> 02:20:38,800

mental thing

4075

02:20:43,030 --> 02:20:40,720

and that's the same thing that you get

4076
02:20:44,550 --> 02:20:43,040
to when you meditate and do other things

4077
02:20:46,150 --> 02:20:44,560
it's just they're getting it without any

4078
02:20:47,830 --> 02:20:46,160
useful context i see i see

4079
02:20:50,150 --> 02:20:47,840
and when they come back they feel more

4080
02:20:52,870 --> 02:20:50,160
spiritual they feel more

4081
02:20:54,389 --> 02:20:52,880
relaxed maybe and more expansive and

4082
02:20:57,349 --> 02:20:54,399
they have these feelings

4083
02:20:57,990 --> 02:20:57,359
for a while and basically family could

4084
02:21:00,790 --> 02:20:58,000
say yeah they're

4085
02:21:01,750 --> 02:21:00,800
calmer now they're more uh sedate you

4086
02:21:03,910 --> 02:21:01,760
know they're not as

4087
02:21:05,510 --> 02:21:03,920
raucous or they're not as bad behaved

4088
02:21:07,510 --> 02:21:05,520

and that's probably true for a while but

4089

02:21:14,950 --> 02:21:07,520

it tends to wear off

4090

02:21:16,550 --> 02:21:14,960

again if it just means that they're

4091

02:21:17,830 --> 02:21:16,560

acting better okay maybe they you know

4092

02:21:19,830 --> 02:21:17,840

it's maybe like the thing where you're

4093

02:21:20,389 --> 02:21:19,840

you know you're afraid of god so you act

4094

02:21:22,070 --> 02:21:20,399

better

4095

02:21:23,590 --> 02:21:22,080

maybe when they see this big picture and

4096

02:21:25,429 --> 02:21:23,600

they see reality and they kind of see

4097

02:21:27,510 --> 02:21:25,439

their place in it they go oh

4098

02:21:28,950 --> 02:21:27,520

i need to clean up my act i need to act

4099

02:21:31,190 --> 02:21:28,960

better but again

4100

02:21:32,950 --> 02:21:31,200

if it's acting the family would be

4101

02:21:33,830 --> 02:21:32,960

appreciated acting is like i say a

4102

02:21:35,990 --> 02:21:33,840

civilization

4103

02:21:37,030 --> 02:21:36,000

civilizing family would say oh great

4104

02:21:38,870 --> 02:21:37,040

he's acting better

4105

02:21:41,030 --> 02:21:38,880

but did he really get anything useful

4106

02:21:43,110 --> 02:21:41,040

out of it other than

4107

02:21:44,230 --> 02:21:43,120

he's acting better well acting better is

4108

02:21:47,349 --> 02:21:44,240

that much

4109

02:21:49,510 --> 02:21:47,359

it's huge

4110

02:21:51,190 --> 02:21:49,520

compared to that compared to the acting

4111

02:21:53,830 --> 02:21:51,200

we are not our image

4112

02:21:55,429 --> 02:21:53,840

we are something else if one was simply

4113

02:21:56,150 --> 02:21:55,439

acting better would they feel more

4114

02:21:58,230 --> 02:21:56,160

tranquil

4115

02:21:59,349 --> 02:21:58,240

or would they feel the same no they

4116

02:22:01,590 --> 02:21:59,359

would probably feel

4117

02:22:02,389 --> 02:22:01,600

more tranquil even if they were simply

4118

02:22:04,230 --> 02:22:02,399

acting better

4119

02:22:05,590 --> 02:22:04,240

for the wrong reasons yeah they would

4120

02:22:06,469 --> 02:22:05,600

feel better because in their mind

4121

02:22:08,550 --> 02:22:06,479

they're saying

4122

02:22:10,309 --> 02:22:08,560

see i was so uptight and i'm tense and

4123

02:22:12,550 --> 02:22:10,319

i'm you know make other people tense

4124

02:22:13,750 --> 02:22:12,560

i'm just going to relax i'm just going

4125

02:22:15,670 --> 02:22:13,760

to be still

4126
02:22:17,110 --> 02:22:15,680
and i'll be quiet i won't talk so much

4127
02:22:18,710 --> 02:22:17,120
i'll listen more

4128
02:22:20,550 --> 02:22:18,720
well that's the intellect telling them

4129
02:22:23,750 --> 02:22:20,560
how it is they should be

4130
02:22:25,429 --> 02:22:23,760
so that's how they are

4131
02:22:27,349 --> 02:22:25,439
that's what they do and something comes

4132
02:22:29,190 --> 02:22:27,359
into contrary to that they push it

4133
02:22:30,790 --> 02:22:29,200
they push it away they bury it someplace

4134
02:22:33,110 --> 02:22:30,800
so yes they would act better

4135
02:22:35,190 --> 02:22:33,120
they'd feel better but what happens is

4136
02:22:38,309 --> 02:22:35,200
when you're acting

4137
02:22:39,670 --> 02:22:38,319
the real you comes out you see the real

4138
02:22:42,309 --> 02:22:39,680

you still in there

4139

02:22:43,510 --> 02:22:42,319

and when circumstances change to where

4140

02:22:45,270 --> 02:22:43,520

let's say

4141

02:22:46,790 --> 02:22:45,280

suddenly that person finds themselves in

4142

02:22:50,150 --> 02:22:46,800

a situation that

4143

02:22:52,150 --> 02:22:50,160

is very unpleasant well all that acting

4144

02:22:55,030 --> 02:22:52,160

goes to hell in the handbasket

4145

02:22:56,309 --> 02:22:55,040

that real person comes roaring out of

4146

02:22:58,309 --> 02:22:56,319

that situation

4147

02:22:59,349 --> 02:22:58,319

and oh well there's the same old person

4148

02:23:02,389 --> 02:22:59,359

we used to know

4149

02:23:03,830 --> 02:23:02,399

still in there mean as ever you see

4150

02:23:07,270 --> 02:23:03,840

do they come out permanently or they

4151
02:23:08,950 --> 02:23:07,280
just appear in that negative scenario

4152
02:23:10,630 --> 02:23:08,960
they probably appear in that scenario

4153
02:23:14,150 --> 02:23:10,640
and then they go back to acting

4154
02:23:17,110 --> 02:23:14,160
it's just that you know that acting

4155
02:23:18,469 --> 02:23:17,120
isn't deep so what's wrong with that is

4156
02:23:21,190 --> 02:23:18,479
that if we

4157
02:23:22,630 --> 02:23:21,200
zoom out to the npr picture the entropy

4158
02:23:24,630 --> 02:23:22,640
has not been lowered in your

4159
02:23:25,910 --> 02:23:24,640
model yeah right so what happens you

4160
02:23:27,030 --> 02:23:25,920
know that's like you have a bunch of

4161
02:23:28,710 --> 02:23:27,040
people who all live

4162
02:23:31,110 --> 02:23:28,720
in a nice community and they all get

4163
02:23:32,469 --> 02:23:31,120

along and things work out fine

4164

02:23:34,389 --> 02:23:32,479

you know yeah everything's hard

4165

02:23:35,190 --> 02:23:34,399

everybody's pressed hard everybody's

4166

02:23:38,389 --> 02:23:35,200

stressed

4167

02:23:39,750 --> 02:23:38,399

and then what happens uh you know a ride

4168

02:23:43,429 --> 02:23:39,760

takes place

4169

02:23:45,750 --> 02:23:43,439

and you'll find that people nice people

4170

02:23:46,950 --> 02:23:45,760

people you know who you'd think riot

4171

02:23:48,710 --> 02:23:46,960

sticks

4172

02:23:50,710 --> 02:23:48,720

riot takes place you know somebody bombs

4173

02:23:53,030 --> 02:23:50,720

something and pretty soon you have

4174

02:23:54,550 --> 02:23:53,040

nice people are running in and grabbing

4175

02:23:56,469 --> 02:23:54,560

tv's and running off with them

4176
02:23:58,830 --> 02:23:56,479
they're uh you know they're joining a

4177
02:24:02,469 --> 02:23:58,840
mob and you know throwing rocks through

4178
02:24:03,830 --> 02:24:02,479
windows perfectly nice people last week

4179
02:24:05,270 --> 02:24:03,840
you know they would go out of their way

4180
02:24:06,150 --> 02:24:05,280
to be helpful to some money but right

4181
02:24:08,950 --> 02:24:06,160
now

4182
02:24:09,910 --> 02:24:08,960
well you see that's not true and i

4183
02:24:11,830 --> 02:24:09,920
totally understand

4184
02:24:13,670 --> 02:24:11,840
that's not two different people it's the

4185
02:24:16,790 --> 02:24:13,680
same person one person has

4186
02:24:17,270 --> 02:24:16,800
has an image they're nice but underneath

4187
02:24:19,590 --> 02:24:17,280
of that

4188
02:24:20,550 --> 02:24:19,600

there's something a lot raw that's the

4189

02:24:23,270 --> 02:24:20,560

problem with

4190

02:24:24,950 --> 02:24:23,280

civilization in our civilization we're

4191

02:24:25,910 --> 02:24:24,960

nice and polite we've learned how to be

4192

02:24:31,110 --> 02:24:25,920

polite

4193

02:24:33,190 --> 02:24:31,120

that is a

4194

02:24:35,590 --> 02:24:33,200

that's a very thin veneer of politeness

4195

02:24:37,670 --> 02:24:35,600

underneath that is the real person

4196

02:24:39,510 --> 02:24:37,680

and when the going gets tough that real

4197

02:24:40,469 --> 02:24:39,520

person comes out that politeness goes

4198

02:24:42,710 --> 02:24:40,479

away

4199

02:24:44,469 --> 02:24:42,720

and that's the real us that's what

4200

02:24:46,630 --> 02:24:44,479

happens when things go bad

4201
02:24:48,070 --> 02:24:46,640
in an extremely practical scenario let's

4202
02:24:49,910 --> 02:24:48,080
say you have a toddler

4203
02:24:51,190 --> 02:24:49,920
okay and you said what we do is we

4204
02:24:53,190 --> 02:24:51,200
reprimand them and say hey

4205
02:24:54,710 --> 02:24:53,200
please act in this manner and then they

4206
02:24:55,190 --> 02:24:54,720
don't understand the reasons why they

4207
02:24:56,790 --> 02:24:55,200
just know

4208
02:24:58,870 --> 02:24:56,800
i might get hit if i don't or i'll get

4209
02:25:01,110 --> 02:24:58,880
yelled at or scolded okay

4210
02:25:02,309 --> 02:25:01,120
what would be a more effective way of

4211
02:25:03,910 --> 02:25:02,319
raising

4212
02:25:06,950 --> 02:25:03,920
let's say a three-year-old to

4213
02:25:13,270 --> 02:25:10,230

you would have to treat them with

4214

02:25:14,309 --> 02:25:13,280

respect you'd have to see them as a

4215

02:25:15,990 --> 02:25:14,319

little person

4216

02:25:18,070 --> 02:25:16,000

deserving your respect and you have to

4217

02:25:18,389 --> 02:25:18,080

interact with them on their level where

4218

02:25:22,230 --> 02:25:18,399

they

4219

02:25:24,790 --> 02:25:22,240

is

4220

02:25:25,990 --> 02:25:24,800

really annoying or rude or you know not

4221

02:25:27,990 --> 02:25:26,000

not good

4222

02:25:30,070 --> 02:25:28,000

you'd have to stop them but rather than

4223

02:25:32,469 --> 02:25:30,080

just holler and stop that

4224

02:25:34,710 --> 02:25:32,479

see that's not that helpful right right

4225

02:25:38,070 --> 02:25:34,720

you'd have to get down on their level

4226

02:25:39,190 --> 02:25:38,080

and and uh

4227

02:25:40,950 --> 02:25:39,200

interact with them you're not going to

4228

02:25:42,550 --> 02:25:40,960

give them a lecture because at three or

4229

02:25:44,230 --> 02:25:42,560

four years old you know lectures

4230

02:25:46,070 --> 02:25:44,240

don't work you know they're not going to

4231

02:25:47,110 --> 02:25:46,080

do much but you'd have to pay it's just

4232

02:25:48,790 --> 02:25:47,120

as bad as scolding

4233

02:25:50,230 --> 02:25:48,800

yeah you'd have to pick them up yeah

4234

02:25:52,070 --> 02:25:50,240

you'd have to pick them up

4235

02:25:53,830 --> 02:25:52,080

or stop what they were doing maybe if

4236

02:25:55,830 --> 02:25:53,840

they were banging you know something

4237

02:25:58,070 --> 02:25:55,840

on a window glass and you'd have to say

4238

02:26:01,110 --> 02:25:58,080

no we don't do that

4239

02:26:02,630 --> 02:26:01,120

because you could break the glass so

4240

02:26:04,070 --> 02:26:02,640

it's not a good thing to do

4241

02:26:06,150 --> 02:26:04,080

and you explain to them not that you're

4242

02:26:09,830 --> 02:26:06,160

angry see as soon as you're angry stop

4243

02:26:12,710 --> 02:26:09,840

that well you know they

4244

02:26:14,230 --> 02:26:12,720

they kind of put up a wall to that so

4245

02:26:16,309 --> 02:26:14,240

you have to be

4246

02:26:17,590 --> 02:26:16,319

calm you have to really care about them

4247

02:26:18,950 --> 02:26:17,600

and so there's a little person in here

4248

02:26:20,950 --> 02:26:18,960

that really doesn't know

4249

02:26:22,230 --> 02:26:20,960

that they're being destructive so we

4250

02:26:25,349 --> 02:26:22,240

have to treat them

4251
02:26:27,510 --> 02:26:25,359
kindly but we have to tell them no you

4252
02:26:29,270 --> 02:26:27,520
cannot do that you might break something

4253
02:26:31,270 --> 02:26:29,280
and then we let them go they do it again

4254
02:26:33,190 --> 02:26:31,280
we tell them that again

4255
02:26:34,870 --> 02:26:33,200
and then if they say after the fifth

4256
02:26:36,469 --> 02:26:34,880
time we decide well we're going to have

4257
02:26:38,150 --> 02:26:36,479
to do something more than talk to them

4258
02:26:40,469 --> 02:26:38,160
so this time we make them

4259
02:26:42,389 --> 02:26:40,479
you know go back in their crib for you

4260
02:26:43,750 --> 02:26:42,399
know 15 minutes or

4261
02:26:45,910 --> 02:26:43,760
some other kind of thing or you just

4262
02:26:48,389 --> 02:26:45,920
hold them don't let them down

4263
02:26:50,389 --> 02:26:48,399

until they so it's difficult but you

4264

02:26:52,550 --> 02:26:50,399

have to do it with

4265

02:26:54,469 --> 02:26:52,560

caring and with love and at their level

4266

02:26:56,150 --> 02:26:54,479

you can't do it

4267

02:26:57,750 --> 02:26:56,160

with the idea that they need to learn

4268

02:26:59,590 --> 02:26:57,760

how to act like you act

4269

02:27:01,349 --> 02:26:59,600

you know they need to be adult they need

4270

02:27:02,230 --> 02:27:01,359

to be more adult and we just holler at

4271

02:27:05,030 --> 02:27:02,240

them and we use

4272

02:27:06,710 --> 02:27:05,040

fear to control them don't do that or

4273

02:27:08,550 --> 02:27:06,720

you get us banking don't do that or you

4274

02:27:09,190 --> 02:27:08,560

be in time out so we try to frighten

4275

02:27:11,429 --> 02:27:09,200

them

4276
02:27:12,630 --> 02:27:11,439
into doing what we want well using fear

4277
02:27:14,630 --> 02:27:12,640
to control them

4278
02:27:16,230 --> 02:27:14,640
is not a good way to bring them up you

4279
02:27:19,030 --> 02:27:16,240
bring them up with love and one day

4280
02:27:22,469 --> 02:27:19,040
they will realize oh my parents don't

4281
02:27:25,830 --> 02:27:24,230
i shouldn't do it because my parents are

4282
02:27:27,990 --> 02:27:25,840
pretty smart and they know

4283
02:27:29,510 --> 02:27:28,000
they know what's good because they trust

4284
02:27:31,590 --> 02:27:29,520
you because they've always gotten

4285
02:27:33,030 --> 02:27:31,600
support from you you know it's a it's a

4286
02:27:34,230 --> 02:27:33,040
different sort of thing so with real

4287
02:27:35,830 --> 02:27:34,240
little children

4288
02:27:37,510 --> 02:27:35,840

it's hard because they only can

4289

02:27:39,510 --> 02:27:37,520

understand so much

4290

02:27:40,710 --> 02:27:39,520

so you expect a lot of behave bad

4291

02:27:43,910 --> 02:27:40,720

behavior

4292

02:27:45,429 --> 02:27:43,920

is okay you gotta you gotta deal with

4293

02:27:46,469 --> 02:27:45,439

that don't give him toys it'll break

4294

02:27:48,550 --> 02:27:46,479

glass

4295

02:27:50,469 --> 02:27:48,560

see i'm running a simulation in my head

4296

02:27:53,830 --> 02:27:50,479

and i see oh like a simulation

4297

02:27:55,750 --> 02:27:53,840

is in simulation and i find it hard

4298

02:27:57,030 --> 02:27:55,760

to get to an answer as to why we should

4299

02:27:59,270 --> 02:27:57,040

act right

4300

02:28:00,230 --> 02:27:59,280

quote unquote without making a reference

4301
02:28:01,910 --> 02:28:00,240
to one's ego

4302
02:28:03,830 --> 02:28:01,920
which is what we're saying we should get

4303
02:28:05,190 --> 02:28:03,840
rid of or the fear we should get rid of

4304
02:28:06,309 --> 02:28:05,200
and the reason why is let's imagine

4305
02:28:07,750 --> 02:28:06,319
there's a three-year-old four-year-old

4306
02:28:09,830 --> 02:28:07,760
child and you say don't

4307
02:28:11,270 --> 02:28:09,840
break that glass but don't hit that

4308
02:28:12,790 --> 02:28:11,280
because the glass may break well why

4309
02:28:13,990 --> 02:28:12,800
should i care about the glass breaking

4310
02:28:15,030 --> 02:28:14,000
because it might fall on the ground well

4311
02:28:16,309 --> 02:28:15,040
why should i care about that someone

4312
02:28:17,590 --> 02:28:16,319
else has to pay for it and they also

4313
02:28:18,469 --> 02:28:17,600

might get hurt well why should i care

4314

02:28:21,429 --> 02:28:18,479

about that

4315

02:28:23,190 --> 02:28:21,439

eventually i would imagine in your model

4316

02:28:24,469 --> 02:28:23,200

but this is just me imagining

4317

02:28:26,070 --> 02:28:24,479

it would come down to don't do that

4318

02:28:27,429 --> 02:28:26,080

because that's ultimately bad for you as

4319

02:28:29,030 --> 02:28:27,439

well

4320

02:28:30,469 --> 02:28:29,040

sure they would learn they would learn

4321

02:28:31,910 --> 02:28:30,479

that it's part you know we're all here

4322

02:28:33,510 --> 02:28:31,920

but then to me that's that's an appeal

4323

02:28:34,870 --> 02:28:33,520

to an ego no because they're saying

4324

02:28:36,790 --> 02:28:34,880

don't do this because it's bad for you

4325

02:28:38,790 --> 02:28:36,800

no what what you would do is say that

4326

02:28:40,309 --> 02:28:38,800

we're all here together

4327

02:28:42,070 --> 02:28:40,319

and it is going to be bad for them but

4328

02:28:44,309 --> 02:28:42,080

that's not the the key point

4329

02:28:46,070 --> 02:28:44,319

it's that we all live here together we

4330

02:28:48,070 --> 02:28:46,080

all share this space

4331

02:28:49,429 --> 02:28:48,080

we all have to look out for each other

4332

02:28:51,670 --> 02:28:49,439

you know that's the thing

4333

02:28:53,270 --> 02:28:51,680

if you break that glass then you might

4334

02:28:55,110 --> 02:28:53,280

step in it and cut your foot and mom

4335

02:28:56,389 --> 02:28:55,120

might step in and cut her foot that cold

4336

02:28:58,150 --> 02:28:56,399

air would come in and we would be

4337

02:28:59,510 --> 02:28:58,160

uncomfortable bugs would come in and we

4338

02:29:02,389 --> 02:28:59,520

wouldn't like that

4339

02:29:04,150 --> 02:29:02,399

so it's going to be a problem for

4340

02:29:05,910 --> 02:29:04,160

everybody that lives here

4341

02:29:09,590 --> 02:29:05,920

and you know and it's going to be a

4342

02:29:11,349 --> 02:29:09,600

problem for you too so okay

4343

02:29:12,710 --> 02:29:11,359

but it's everybody's problem now you'd

4344

02:29:14,389 --> 02:29:12,720

have to have a kid that was more like

4345

02:29:15,429 --> 02:29:14,399

six or seven years old before they

4346

02:29:17,830 --> 02:29:15,439

understand that

4347

02:29:18,790 --> 02:29:17,840

if it's a three-year-old basically or a

4348

02:29:20,309 --> 02:29:18,800

two-year-old

4349

02:29:22,389 --> 02:29:20,319

what you do is you take the thing that

4350

02:29:24,150 --> 02:29:22,399

can break glass out of their hands

4351

02:29:26,630 --> 02:29:24,160

yeah because it's not an appropriate toy

4352

02:29:28,550 --> 02:29:26,640

for them right if they've got a hammer

4353

02:29:30,150 --> 02:29:28,560

they're not old enough to have a hammer

4354

02:29:31,429 --> 02:29:30,160

even okay so let's talk about this

4355

02:29:33,429 --> 02:29:31,439

we'll talk about a six-year-old or a

4356

02:29:34,550 --> 02:29:33,439

five-year-old incessantly asks why what

4357

02:29:37,750 --> 02:29:34,560

if they say so why

4358

02:29:38,309 --> 02:29:37,760

should i care about that it's bad for my

4359

02:29:39,750 --> 02:29:38,319

family

4360

02:29:42,070 --> 02:29:39,760

and it seems like it's obvious like i

4361

02:29:44,950 --> 02:29:42,080

should care but i'm i'm being a

4362

02:29:45,429 --> 02:29:44,960

particularly persnickety six-year-old no

4363

02:29:47,510 --> 02:29:45,439

you can

4364

02:29:49,429 --> 02:29:47,520

yes you would say well this is a problem

4365

02:29:51,110 --> 02:29:49,439

for everyone okay you leave your dirty

4366

02:29:52,309 --> 02:29:51,120

clothes all over the room then somebody

4367

02:29:54,630 --> 02:29:52,319

has to pick them up

4368

02:29:55,510 --> 02:29:54,640

and it's just extra chores that we need

4369

02:29:57,510 --> 02:29:55,520

to do

4370

02:29:59,110 --> 02:29:57,520

and if we're doing those tours we can't

4371

02:30:02,389 --> 02:29:59,120

be playing with you

4372

02:30:04,550 --> 02:30:02,399

or you know right that's why it comes

4373

02:30:05,750 --> 02:30:04,560

down to the ego no no it affects it's

4374

02:30:08,230 --> 02:30:05,760

not their ego

4375

02:30:10,070 --> 02:30:08,240

it's their caring that you're trying to

4376

02:30:10,950 --> 02:30:10,080

hit not their ego you're not trying to

4377

02:30:12,950 --> 02:30:10,960

make them

4378

02:30:14,070 --> 02:30:12,960

afraid and you're not getting to their

4379

02:30:17,270 --> 02:30:14,080

ego it's not that

4380

02:30:18,950 --> 02:30:17,280

oh that's good for me but it's i'm a

4381

02:30:20,309 --> 02:30:18,960

part of this thing it's good for all of

4382

02:30:22,309 --> 02:30:20,319

us it's good for me

4383

02:30:24,230 --> 02:30:22,319

and it's good for them they need to see

4384

02:30:26,790 --> 02:30:24,240

themselves as a part of a whole

4385

02:30:28,309 --> 02:30:26,800

not as just an individual now children

4386

02:30:31,030 --> 02:30:28,319

come into this world

4387

02:30:33,110 --> 02:30:31,040

very self-centered that's the nature of

4388

02:30:36,070 --> 02:30:33,120

being a child you are very small

4389

02:30:37,429 --> 02:30:36,080

you are very vulnerable and you are you

4390

02:30:39,670 --> 02:30:37,439

and then there's everything else out

4391

02:30:42,230 --> 02:30:39,680

there in that big world that scary world

4392

02:30:43,190 --> 02:30:42,240

so children are very self-centered and

4393

02:30:46,790 --> 02:30:43,200

we could

4394

02:30:49,429 --> 02:30:46,800

say that maturity is defined

4395

02:30:51,429 --> 02:30:49,439

as how much of that self-centeredness

4396

02:30:53,670 --> 02:30:51,439

you get rid of

4397

02:30:55,030 --> 02:30:53,680

so that's how you mature it's how you

4398

02:30:57,270 --> 02:30:55,040

grow up is by

4399

02:30:58,550 --> 02:30:57,280

reducing that self-centeredness well

4400

02:31:01,750 --> 02:30:58,560

that's reducing that

4401

02:31:03,750 --> 02:31:01,760

that ego so that's

4402

02:31:05,110 --> 02:31:03,760

you know you can have some people are 60

4403

02:31:06,309 --> 02:31:05,120

years old and they're still terribly

4404

02:31:08,870 --> 02:31:06,319

self-centered

4405

02:31:09,670 --> 02:31:08,880

you know that's they haven't grown up

4406

02:31:11,990 --> 02:31:09,680

much they're still

4407

02:31:13,910 --> 02:31:12,000

they're still acting like children so

4408

02:31:15,270 --> 02:31:13,920

children should be expected to be very

4409

02:31:17,429 --> 02:31:15,280

self-centered

4410

02:31:18,710 --> 02:31:17,439

that's natural for children and you

4411

02:31:20,870 --> 02:31:18,720

don't punish them for being

4412

02:31:22,790 --> 02:31:20,880

self-centered it's just who they are

4413

02:31:24,469 --> 02:31:22,800

you have to show them that they're part

4414

02:31:25,910 --> 02:31:24,479

of a bigger thing

4415

02:31:28,710 --> 02:31:25,920

they're part of a collective called a

4416

02:31:31,670 --> 02:31:28,720

family and they need to take

4417

02:31:33,750 --> 02:31:31,680

that into consideration and if that

4418

02:31:35,110 --> 02:31:33,760

family is working well together and the

4419

02:31:38,790 --> 02:31:35,120

family is working

4420

02:31:41,349 --> 02:31:38,800

then their life is going to be happier

4421

02:31:42,710 --> 02:31:41,359

but if they're you know if the family

4422

02:31:43,990 --> 02:31:42,720

isn't working together then their life

4423

02:31:45,670 --> 02:31:44,000

isn't going to be through well so it

4424

02:31:47,830 --> 02:31:45,680

does affect them

4425

02:31:49,270 --> 02:31:47,840

ah okay but they'll see themselves as

4426

02:31:52,150 --> 02:31:49,280

part of something bigger

4427

02:31:53,270 --> 02:31:52,160

it's not just about them so if i care

4428

02:31:55,190 --> 02:31:53,280

about the positive

4429

02:31:56,710 --> 02:31:55,200

that's not necessarily my ego but if i

4430

02:31:57,349 --> 02:31:56,720

care about the negative or fear that's

4431

02:31:59,190 --> 02:31:57,359

my ego

4432

02:32:00,790 --> 02:31:59,200

so for example if i care about i want to

4433

02:32:01,910 --> 02:32:00,800

be happy i would associate that with the

4434

02:32:04,150 --> 02:32:01,920

ego still because

4435

02:32:05,910 --> 02:32:04,160

you care about yourself in some way even

4436

02:32:08,950 --> 02:32:05,920

if it's i want to be happy that's not

4437

02:32:12,710 --> 02:32:08,960

that's not ego no ego is

4438

02:32:14,870 --> 02:32:12,720

awareness in the service of fear

4439

02:32:16,389 --> 02:32:14,880

remember consciousness is awareness that

4440

02:32:19,510 --> 02:32:16,399

makes choices

4441

02:32:21,990 --> 02:32:19,520

so awareness in the service of fear

4442

02:32:22,870 --> 02:32:22,000

that's ego if it's not in the service of

4443

02:32:24,870 --> 02:32:22,880

fear

4444

02:32:26,550 --> 02:32:24,880

that's not ego now awareness in the

4445

02:32:28,469 --> 02:32:26,560

service of love

4446

02:32:30,070 --> 02:32:28,479

that's what freud sort of roughly

4447

02:32:33,429 --> 02:32:30,080

defined as superego

4448

02:32:35,590 --> 02:32:33,439

okay it's about other it's it's not

4449

02:32:37,349 --> 02:32:35,600

just about self so you can say oh i'd

4450

02:32:39,910 --> 02:32:37,359

like to be better i'd like to

4451
02:32:41,429 --> 02:32:39,920
become love and now that's awareness in

4452
02:32:43,990 --> 02:32:41,439
the service of growing up

4453
02:32:45,590 --> 02:32:44,000
okay i like this because most of the

4454
02:32:46,230 --> 02:32:45,600
problems with me that i find and i'm

4455
02:32:48,230 --> 02:32:46,240
pretty sure that

4456
02:32:49,510 --> 02:32:48,240
many people have the same problem is

4457
02:32:51,670 --> 02:32:49,520
that some of these terms

4458
02:32:53,270 --> 02:32:51,680
the way they're used not you but the way

4459
02:32:55,190 --> 02:32:53,280
that they're used in general power lines

4460
02:32:56,389 --> 02:32:55,200
is equivocal and so when you use it you

4461
02:32:58,870 --> 02:32:56,399
mean something specific

4462
02:33:00,469 --> 02:32:58,880
but when other people use it for example

4463
02:33:02,710 --> 02:33:00,479

they synonymize ego with

4464

02:33:04,389 --> 02:33:02,720

self and so that's why i'm having a bit

4465

02:33:07,990 --> 02:33:04,399

i was having a bit of trouble

4466

02:33:09,750 --> 02:33:08,000

and i see this even in well hopefully

4467

02:33:11,270 --> 02:33:09,760

hopefully this podcast if you ever see

4468

02:33:12,150 --> 02:33:11,280

me getting into the meticulous

4469

02:33:13,910 --> 02:33:12,160

intricacies

4470

02:33:15,270 --> 02:33:13,920

the reason is that i try to be as

4471

02:33:17,030 --> 02:33:15,280

specific as possible first to

4472

02:33:17,590 --> 02:33:17,040

disentangle what's what's embroiled in

4473

02:33:20,710 --> 02:33:17,600

my head

4474

02:33:21,349 --> 02:33:20,720

but also because many other podcasts or

4475

02:33:23,110 --> 02:33:21,359

many other

4476
02:33:24,870 --> 02:33:23,120
interviewers or whatever it may be when

4477
02:33:27,590 --> 02:33:24,880
they talk they talk at a certain

4478
02:33:28,150 --> 02:33:27,600
layman level and i feel like plenty of

4479
02:33:32,630 --> 02:33:28,160
the

4480
02:33:34,309 --> 02:33:32,640
and even in physics like you know this

4481
02:33:35,910 --> 02:33:34,319
at least for me there's plenty that was

4482
02:33:37,830 --> 02:33:35,920
difficult to understand because it was

4483
02:33:39,590 --> 02:33:37,840
told to me incorrectly so

4484
02:33:42,309 --> 02:33:39,600
we're taught physics chronologically

4485
02:33:44,630 --> 02:33:42,319
newton laplace and so on and so on

4486
02:33:45,990 --> 02:33:44,640
but there's so much in physics it's

4487
02:33:48,070 --> 02:33:46,000
wonderful if you're actually taught it

4488
02:33:49,830 --> 02:33:48,080

in its specificity so for example

4489

02:33:51,429 --> 02:33:49,840

velocity is a more fundamental concept

4490

02:33:53,110 --> 02:33:51,439

than speed and speed is a more

4491

02:33:54,790 --> 02:33:53,120

fundamental concept than distance which

4492

02:33:56,870 --> 02:33:54,800

is the opposite of what we're told

4493

02:33:57,990 --> 02:33:56,880

but if the viewer or whoever's listening

4494

02:33:58,870 --> 02:33:58,000

understands a bit of differential

4495

02:34:00,630 --> 02:33:58,880

geometry

4496

02:34:02,790 --> 02:34:00,640

you would know that velocity doesn't

4497

02:34:04,710 --> 02:34:02,800

require a metric speed requires a metric

4498

02:34:05,910 --> 02:34:04,720

so you need more structure to get speed

4499

02:34:07,510 --> 02:34:05,920

and then you need something called

4500

02:34:09,030 --> 02:34:07,520

partition of unity to integrate over

4501

02:34:10,469 --> 02:34:09,040

speed to get distance

4502

02:34:12,550 --> 02:34:10,479

and that's interest is totally

4503

02:34:13,030 --> 02:34:12,560

interesting but it trips you up if you

4504

02:34:14,550 --> 02:34:13,040

don't

4505

02:34:16,469 --> 02:34:14,560

it trips you up at the later years of

4506

02:34:17,190 --> 02:34:16,479

physics something else is uh the wave

4507

02:34:21,190 --> 02:34:17,200

function

4508

02:34:23,030 --> 02:34:21,200

section on a c

4509

02:34:24,710 --> 02:34:23,040

line bundle and you'll get into well i

4510

02:34:26,389 --> 02:34:24,720

got into plenty of trouble

4511

02:34:27,910 --> 02:34:26,399

thinking that it's a function because

4512

02:34:29,590 --> 02:34:27,920

then how are you supposed to do quantum

4513

02:34:31,110 --> 02:34:29,600

mechanics on a sphere

4514

02:34:32,630 --> 02:34:31,120

you have to have different open spaces

4515

02:34:33,910 --> 02:34:32,640

that you do yeah you have to

4516

02:34:36,710 --> 02:34:33,920

conceptualize it as a

4517

02:34:38,230 --> 02:34:36,720

as a section but anyway so hopefully i'm

4518

02:34:39,349 --> 02:34:38,240

kind of aware that all these things are

4519

02:34:41,910 --> 02:34:39,359

metaphors

4520

02:34:43,190 --> 02:34:41,920

there is no wave function they just say

4521

02:34:44,870 --> 02:34:43,200

wave function because they don't know

4522

02:34:47,349 --> 02:34:44,880

what else to say

4523

02:34:48,870 --> 02:34:47,359

physicists are mostly materialists and

4524

02:34:50,230 --> 02:34:48,880

they really don't like action at a

4525

02:34:53,190 --> 02:34:50,240

distance because

4526
02:34:54,150 --> 02:34:53,200
that's that's not materialistic you know

4527
02:34:56,070 --> 02:34:54,160
they they want

4528
02:34:57,190 --> 02:34:56,080
a trail from here to there of everything

4529
02:34:59,750 --> 02:34:57,200
that's why they generate

4530
02:35:01,429 --> 02:34:59,760
fields fields don't really exist you

4531
02:35:03,750 --> 02:35:01,439
know there are no fields

4532
02:35:04,630 --> 02:35:03,760
there's just information information

4533
02:35:08,230 --> 02:35:04,640
doesn't require

4534
02:35:13,670 --> 02:35:11,349
they will take a a they know that

4535
02:35:14,389 --> 02:35:13,680
okay we've got this particle and we

4536
02:35:16,070 --> 02:35:14,399
there's some

4537
02:35:17,830 --> 02:35:16,080
probability that it's going to manifest

4538
02:35:19,510 --> 02:35:17,840

someplace and they look at that

4539

02:35:21,670 --> 02:35:19,520

probability distribution

4540

02:35:22,870 --> 02:35:21,680

and they see how that works and then

4541

02:35:25,750 --> 02:35:22,880

they want to

4542

02:35:25,990 --> 02:35:25,760

make some kind of connection some kind

4543

02:35:28,710 --> 02:35:26,000

of

4544

02:35:29,750 --> 02:35:28,720

causal connection between the two and up

4545

02:35:32,790 --> 02:35:29,760

comes

4546

02:35:34,389 --> 02:35:32,800

a idea of a wave packet

4547

02:35:35,910 --> 02:35:34,399

and no nothing's waving it's a

4548

02:35:37,510 --> 02:35:35,920

probability wave

4549

02:35:39,990 --> 02:35:37,520

so it's just that they're probably in

4550

02:35:41,750 --> 02:35:40,000

this wave packet represents probability

4551
02:35:43,110 --> 02:35:41,760
all that's just metaphor it's stuff

4552
02:35:46,309 --> 02:35:43,120
they're making up

4553
02:35:49,429 --> 02:35:46,319
to allow them to create

4554
02:35:50,389 --> 02:35:49,439
a model in which to describe what's

4555
02:35:52,550 --> 02:35:50,399
going on

4556
02:35:54,150 --> 02:35:52,560
but particularly with quantum mechanics

4557
02:35:56,230 --> 02:35:54,160
when you try to get down into the

4558
02:35:58,070 --> 02:35:56,240
details of what is this wave function

4559
02:36:00,469 --> 02:35:58,080
it's just exactly what is this wave

4560
02:36:01,190 --> 02:36:00,479
function what's waving here what's the

4561
02:36:03,030 --> 02:36:01,200
function

4562
02:36:04,710 --> 02:36:03,040
you'll find it all falls apart because

4563
02:36:05,590 --> 02:36:04,720

there really isn't any such thing it's

4564

02:36:08,790 --> 02:36:05,600

just

4565

02:36:11,990 --> 02:36:08,800

a metaphor for the thing

4566

02:36:13,429 --> 02:36:12,000

that allows you to get from a to b what

4567

02:36:16,070 --> 02:36:13,439

you're calling a metaphor you mean

4568

02:36:17,270 --> 02:36:16,080

a model yeah okay it's just a model

4569

02:36:19,830 --> 02:36:17,280

something somebody

4570

02:36:21,429 --> 02:36:19,840

makes up you know all the things are

4571

02:36:24,710 --> 02:36:21,439

like that an electron

4572

02:36:26,870 --> 02:36:24,720

is a model it's a metaphor you know

4573

02:36:27,830 --> 02:36:26,880

we measure we say an electron is a

4574

02:36:30,710 --> 02:36:27,840

little

4575

02:36:32,790 --> 02:36:30,720

chunk of mass with a charge well that's

4576

02:36:35,190 --> 02:36:32,800

not an electron anymore that used to be

4577

02:36:37,030 --> 02:36:35,200

an electron before we understood better

4578

02:36:39,750 --> 02:36:37,040

now we know that electron is a point

4579

02:36:42,469 --> 02:36:39,760

with the attributes of mass and charge

4580

02:36:44,630 --> 02:36:42,479

see there's a difference so people who

4581

02:36:46,710 --> 02:36:44,640

measure let's say the original uh

4582

02:36:48,870 --> 02:36:46,720

was a milliken oil drop experiment back

4583

02:36:51,590 --> 02:36:48,880

in 1800s where they use a

4584

02:36:52,790 --> 02:36:51,600

you know two plates an electric field

4585

02:36:54,950 --> 02:36:52,800

oil drops they

4586

02:36:56,630 --> 02:36:54,960

decide that there's a charge on it and

4587

02:36:57,030 --> 02:36:56,640

they decide what the charge is you know

4588

02:37:00,710 --> 02:36:57,040

that's

4589

02:37:03,670 --> 02:37:00,720

e it's the charge of the electron well

4590

02:37:05,830 --> 02:37:03,680

what they measured wasn't an electron

4591

02:37:09,110 --> 02:37:05,840

they measured an effect

4592

02:37:10,309 --> 02:37:09,120

right they only measure effects and then

4593

02:37:11,990 --> 02:37:10,319

they make up a model

4594

02:37:13,510 --> 02:37:12,000

they make up a thing called an electro

4595

02:37:15,110 --> 02:37:13,520

let's call it an electron because we

4596

02:37:17,510 --> 02:37:15,120

believe in particles

4597

02:37:18,790 --> 02:37:17,520

so we'll make that an electron and it'll

4598

02:37:20,230 --> 02:37:18,800

have this charge and

4599

02:37:22,230 --> 02:37:20,240

to be a thing it has to have a little

4600

02:37:24,230 --> 02:37:22,240

chunk of mass well that doesn't work

4601
02:37:25,750 --> 02:37:24,240
quantum mechanics looks at electrons as

4602
02:37:27,030 --> 02:37:25,760
a chunk of mass with charge they can't

4603
02:37:28,710 --> 02:37:27,040
get anything right

4604
02:37:30,389 --> 02:37:28,720
they look at it as a point with

4605
02:37:33,510 --> 02:37:30,399
attributes of mass and charge

4606
02:37:34,630 --> 02:37:33,520
they can get the right answer so we find

4607
02:37:37,990 --> 02:37:34,640
out that there really

4608
02:37:41,590 --> 02:37:38,000
is no electron it's just a model

4609
02:37:45,030 --> 02:37:41,600
in order to explain the result

4610
02:37:47,590 --> 02:37:45,040
that they get so we make all sorts of

4611
02:37:49,590 --> 02:37:47,600
models and then the problem with that is

4612
02:37:51,030 --> 02:37:49,600
in the beginning people are aware that

4613
02:37:55,190 --> 02:37:51,040

these are just models

4614

02:37:57,830 --> 02:37:55,200

right things we make up in order to

4615

02:37:58,230 --> 02:37:57,840

have some way of you know of saying how

4616

02:38:11,590 --> 02:37:58,240

it

4617

02:38:13,590 --> 02:38:11,600

knows that

4618

02:38:15,750 --> 02:38:13,600

and it becomes dogma and then it becomes

4619

02:38:17,510 --> 02:38:15,760

a blind spot because it's a belief

4620

02:38:19,030 --> 02:38:17,520

and now we can't understand things

4621

02:38:20,469 --> 02:38:19,040

because they don't act that way and all

4622

02:38:23,349 --> 02:38:20,479

that's just weird physics you know

4623

02:38:25,590 --> 02:38:23,359

that weird quantum mechanics so the

4624

02:38:28,309 --> 02:38:25,600

problem is that we don't realize that

4625

02:38:28,630 --> 02:38:28,319

much much of the stuff that we think of

4626

02:38:32,150 --> 02:38:28,640

as

4627

02:38:34,870 --> 02:38:32,160

facts are not facts they're models

4628

02:38:36,469 --> 02:38:34,880

they're theory they're somebody has

4629

02:38:37,270 --> 02:38:36,479

reached up and brought right out of the

4630

02:38:40,950 --> 02:38:37,280

clear blue

4631

02:38:44,790 --> 02:38:40,960

sky a reason why

4632

02:38:45,990 --> 02:38:44,800

this could be the the causal link

4633

02:38:48,150 --> 02:38:46,000

you know the causal thing that's

4634

02:38:51,750 --> 02:38:48,160

happening because we believe in

4635

02:38:53,429 --> 02:38:51,760

physical causality material causality

4636

02:38:55,349 --> 02:38:53,439

because we're materialists we need a

4637

02:38:58,230 --> 02:38:55,359

material cause for things

4638

02:38:59,990 --> 02:38:58,240

when actually all we really need is

4639

02:39:00,870 --> 02:39:00,000

information so we don't have to have a

4640

02:39:03,590 --> 02:39:00,880

field

4641

02:39:04,309 --> 02:39:03,600

we just have a calculation of what the

4642

02:39:06,070 --> 02:39:04,319

force is

4643

02:39:07,349 --> 02:39:06,080

at this point and at that point and some

4644

02:39:09,990 --> 02:39:07,359

other point

4645

02:39:11,270 --> 02:39:10,000

then okay a field can predict those

4646

02:39:14,150 --> 02:39:11,280

measurements

4647

02:39:17,190 --> 02:39:14,160

but predicting them isn't causing them

4648

02:39:18,710 --> 02:39:17,200

they're caused by information

4649

02:39:21,110 --> 02:39:18,720

they're caused by being part of the rule

4650

02:39:22,469 --> 02:39:21,120

set that's the way this place works

4651
02:39:24,550 --> 02:39:22,479
it's a different way of looking at

4652
02:39:27,270 --> 02:39:24,560
things but but you you'll see that when

4653
02:39:28,950 --> 02:39:27,280
you get into the details of physics

4654
02:39:31,670 --> 02:39:28,960
often you'll run into things that are

4655
02:39:34,070 --> 02:39:31,680
hard to understand and hard to explain

4656
02:39:35,590 --> 02:39:34,080
and that's because mostly they're models

4657
02:39:37,429 --> 02:39:35,600
and we're trying to make them into

4658
02:39:41,349 --> 02:39:37,439
little physical things

4659
02:39:44,550 --> 02:39:41,359
and they're not they're just models

4660
02:39:48,389 --> 02:39:44,560
to try to draw a materialistic

4661
02:39:51,349 --> 02:39:48,399
description of how does this get to that

4662
02:39:53,830 --> 02:39:51,359
how do we end up with this result so we

4663
02:39:55,429 --> 02:39:53,840

easily you know we can do math math

4664

02:39:57,750 --> 02:39:55,439

we we write down math and then we

4665

02:39:59,830 --> 02:39:57,760

interpret the math as something physical

4666

02:40:01,030 --> 02:39:59,840

well most scientists i would say at

4667

02:40:01,830 --> 02:40:01,040

least if you're a good scientist you

4668

02:40:02,790 --> 02:40:01,840

should be what's called an

4669

02:40:04,550 --> 02:40:02,800

instrumentalist

4670

02:40:06,150 --> 02:40:04,560

that is you don't confuse your model for

4671

02:40:08,550 --> 02:40:06,160

reality you just say that

4672

02:40:10,309 --> 02:40:08,560

predicts and it's falsifiable and it

4673

02:40:11,429 --> 02:40:10,319

seems like every time we do so and so we

4674

02:40:13,510 --> 02:40:11,439

get this result and that's

4675

02:40:14,550 --> 02:40:13,520

exactly what the equations say exactly

4676

02:40:16,309 --> 02:40:14,560

it doesn't mean

4677

02:40:17,349 --> 02:40:16,319

well obviously as you know there are

4678

02:40:19,349 --> 02:40:17,359

plenty of concepts that have been

4679

02:40:21,990 --> 02:40:19,359

overturned over and over

4680

02:40:22,630 --> 02:40:22,000

but it's not just to defend science

4681

02:40:24,309 --> 02:40:22,640

in general

4682

02:40:26,070 --> 02:40:24,319

it's not just models like someone makes

4683

02:40:28,230 --> 02:40:26,080

it up they do make it up but it's not

4684

02:40:31,269 --> 02:40:28,240

made up in the same way that the fairy

4685

02:40:33,030 --> 02:40:31,279

a fairy is made up or it's made up it's

4686

02:40:34,950 --> 02:40:33,040

made up as an explanation

4687

02:40:37,269 --> 02:40:34,960

and usually the explanation is driven by

4688

02:40:38,950 --> 02:40:37,279

materialism and we need a material cause

4689

02:40:40,389 --> 02:40:38,960

does that mean that there is no science

4690

02:40:42,950 --> 02:40:40,399

of consciousness because if

4691

02:40:44,710 --> 02:40:42,960

one is to presume consciousness is

4692

02:40:45,990 --> 02:40:44,720

non-material but we've heard this term

4693

02:40:47,190 --> 02:40:46,000

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

4694

02:40:48,870 --> 02:40:47,200

interviewed other people who

4695

02:40:50,309 --> 02:40:48,880

claim to be studying the science of

4696

02:40:51,910 --> 02:40:50,319

consciousness are you saying that there

4697

02:40:53,349 --> 02:40:51,920

cannot be a science of consciousness

4698

02:40:55,190 --> 02:40:53,359

because science is just of the material

4699

02:40:56,790 --> 02:40:55,200

world no there is a science of

4700

02:40:58,230 --> 02:40:56,800

consciousness what we're saying is that

4701
02:41:01,750 --> 02:40:58,240
science

4702
02:41:05,110 --> 02:41:01,760
should not be relegated

4703
02:41:07,910 --> 02:41:05,120
or exclusive to objective world

4704
02:41:09,269 --> 02:41:07,920
there's a lot more to our reality than

4705
02:41:11,349 --> 02:41:09,279
the objective world

4706
02:41:12,790 --> 02:41:11,359
and if you take say only the objective

4707
02:41:14,950 --> 02:41:12,800
world can be science

4708
02:41:16,950 --> 02:41:14,960
then that means that consciousness can't

4709
02:41:18,790 --> 02:41:16,960
be science because it's subjective it's

4710
02:41:19,830 --> 02:41:18,800
conscious it's in a mind it's subjective

4711
02:41:21,510 --> 02:41:19,840
obviously

4712
02:41:23,110 --> 02:41:21,520
but i would say that of course you can

4713
02:41:24,230 --> 02:41:23,120

have a science of consciousness that

4714

02:41:26,870 --> 02:41:24,240

science

4715

02:41:28,309 --> 02:41:26,880

is applying logic to problems it's

4716

02:41:31,269 --> 02:41:28,319

making models

4717

02:41:32,389 --> 02:41:31,279

that work models that will explain

4718

02:41:34,230 --> 02:41:32,399

things

4719

02:41:35,429 --> 02:41:34,240

and if you can make a model and if it

4720

02:41:38,550 --> 02:41:35,439

explains

4721

02:41:41,750 --> 02:41:38,560

all of your personal facts that are in

4722

02:41:43,590 --> 02:41:41,760

your you know in your experience

4723

02:41:45,030 --> 02:41:43,600

then that's a good model and if it

4724

02:41:47,590 --> 02:41:45,040

predicts other facts

4725

02:41:49,030 --> 02:41:47,600

and and gives you structure in which you

4726
02:41:52,630 --> 02:41:49,040
can hang your experience

4727
02:41:55,429 --> 02:41:52,640
then that's a valid model and it's

4728
02:41:56,469 --> 02:41:55,439
scientific because it's based on logic

4729
02:41:58,150 --> 02:41:56,479
and it's

4730
02:41:59,510 --> 02:41:58,160
you know it's understandable it's

4731
02:42:01,190 --> 02:41:59,520
repeatable it's

4732
02:42:03,030 --> 02:42:01,200
it's whatever so sure there's a science

4733
02:42:05,110 --> 02:42:03,040
of consciousness now

4734
02:42:06,710 --> 02:42:05,120
many physicists would deny that they

4735
02:42:08,630 --> 02:42:06,720
would say that physics

4736
02:42:11,349 --> 02:42:08,640
chemistry and biology are the only

4737
02:42:13,750 --> 02:42:11,359
sciences there are and everything else

4738
02:42:14,710 --> 02:42:13,760

is soft science like have you heard of

4739

02:42:16,230 --> 02:42:14,720

daniel dennett

4740

02:42:17,990 --> 02:42:16,240

i mean obviously you've heard of daniel

4741

02:42:20,630 --> 02:42:18,000

have you read daniel dennis book

4742

02:42:21,429 --> 02:42:20,640

consciousness explained no i have not

4743

02:42:23,510 --> 02:42:21,439

read it

4744

02:42:24,630 --> 02:42:23,520

okay i was gonna ask your opinion on it

4745

02:42:27,510 --> 02:42:24,640

let's change gears

4746

02:42:28,630 --> 02:42:27,520

okay and go back to you having some

4747

02:42:31,030 --> 02:42:28,640

experiences with

4748

02:42:33,429 --> 02:42:31,040

npmr or mind space individuals i don't

4749

02:42:36,870 --> 02:42:33,439

know what else to call them

4750

02:42:39,110 --> 02:42:36,880

yeah just just the uh experience within

4751
02:42:40,070 --> 02:42:39,120
the larger consciousness system this

4752
02:42:43,110 --> 02:42:40,080
physical reality

4753
02:42:46,230 --> 02:42:43,120
just being one one subset

4754
02:42:48,150 --> 02:42:46,240
of that okay actually let's go back to

4755
02:42:50,230 --> 02:42:48,160
you debugging some code

4756
02:42:51,910 --> 02:42:50,240
are you suggesting that you were able to

4757
02:42:53,590 --> 02:42:51,920
see the code as if out of body

4758
02:42:54,950 --> 02:42:53,600
or are you suggesting that your memory

4759
02:42:56,550 --> 02:42:54,960
was much better than you thought and you

4760
02:42:57,190 --> 02:42:56,560
were able to see the code in your own

4761
02:42:58,309 --> 02:42:57,200
brain

4762
02:43:00,389 --> 02:42:58,319
sitting there in the chair because

4763
02:43:02,230 --> 02:43:00,399

you're in a deeply hypnotic meditative

4764

02:43:02,710 --> 02:43:02,240

state like which one are you suggesting

4765

02:43:04,710 --> 02:43:02,720

okay

4766

02:43:05,990 --> 02:43:04,720

then it's a little bit it's like the

4767

02:43:09,349 --> 02:43:06,000

second but more

4768

02:43:11,590 --> 02:43:09,359

so yes i could see the code and it would

4769

02:43:15,110 --> 02:43:11,600

it was scrolling by me just like i had a

4770

02:43:16,150 --> 02:43:15,120

uh you know a printout you know you get

4771

02:43:17,670 --> 02:43:16,160

printouts

4772

02:43:19,269 --> 02:43:17,680

and it was almost like it was on a

4773

02:43:20,950 --> 02:43:19,279

scroll and it was just going by and i

4774

02:43:21,429 --> 02:43:20,960

was seeing the live dakota they went by

4775

02:43:28,630 --> 02:43:21,439

and

4776

02:43:30,389 --> 02:43:28,640

look at that line of code

4777

02:43:32,389 --> 02:43:30,399

and because i wrote all the code i knew

4778

02:43:33,349 --> 02:43:32,399

exactly what each line represented and

4779

02:43:36,469 --> 02:43:33,359

where it was

4780

02:43:39,030 --> 02:43:36,479

and i say really that's the problem okay

4781

02:43:40,550 --> 02:43:39,040

and that's a problem now i might not

4782

02:43:42,790 --> 02:43:40,560

know what the problem was

4783

02:43:45,030 --> 02:43:42,800

but that line of code had a problem in

4784

02:43:45,750 --> 02:43:45,040

it so i'd go up there and i'd look at

4785

02:43:48,550 --> 02:43:45,760

that line

4786

02:43:49,190 --> 02:43:48,560

and if i couldn't find the problem i'd

4787

02:43:52,150 --> 02:43:49,200

check

4788

02:43:53,990 --> 02:43:52,160

i'd re-punch the card and seeing if the

4789

02:43:54,950 --> 02:43:54,000

same thing re-punched work because

4790

02:43:56,710 --> 02:43:54,960

perhaps it was

4791

02:43:58,070 --> 02:43:56,720

an error in printing there was an error

4792

02:44:00,790 --> 02:43:58,080

in the punching

4793

02:44:02,389 --> 02:44:00,800

yeah so i'd realize that and when i went

4794

02:44:05,429 --> 02:44:02,399

up and checked those lines

4795

02:44:06,950 --> 02:44:05,439

sure enough they all you know it worked

4796

02:44:07,910 --> 02:44:06,960

it worked perfectly all the ones that

4797

02:44:10,790 --> 02:44:07,920

were read

4798

02:44:12,469 --> 02:44:10,800

had errors in them so it is obviously

4799

02:44:13,990 --> 02:44:12,479

memory in the sense that i

4800

02:44:16,469 --> 02:44:14,000

could see all those lines i was very

4801
02:44:18,550 --> 02:44:16,479
familiar with them but it was more than

4802
02:44:19,750 --> 02:44:18,560
just memory because i was getting it and

4803
02:44:21,670 --> 02:44:19,760
it was scrolling

4804
02:44:22,790 --> 02:44:21,680
and if you'd asked me tell me what line

4805
02:44:23,990 --> 02:44:22,800
is above that one

4806
02:44:25,429 --> 02:44:24,000
i wouldn't have been able to tell you

4807
02:44:26,870 --> 02:44:25,439
what line was above that one you know

4808
02:44:28,230 --> 02:44:26,880
out of my memory

4809
02:44:30,070 --> 02:44:28,240
i couldn't have i couldn't have said

4810
02:44:32,630 --> 02:44:30,080
that i didn't have the whole you know

4811
02:44:34,630 --> 02:44:32,640
shoot i had like 4 000 cards i didn't

4812
02:44:36,630 --> 02:44:34,640
haul i didn't have any of that memorized

4813
02:44:38,469 --> 02:44:36,640

but they were scrolling by in the right

4814

02:44:40,870 --> 02:44:38,479

order and i could see them so you could

4815

02:44:42,389 --> 02:44:40,880

say well that was somewhere deep in your

4816

02:44:44,070 --> 02:44:42,399

you know in your subconscious and you

4817

02:44:46,790 --> 02:44:44,080

pulled that back up but

4818

02:44:48,550 --> 02:44:46,800

i find that the kind of a wild you know

4819

02:44:49,269 --> 02:44:48,560

conjecture no i'm not suggesting that at

4820

02:44:51,030 --> 02:44:49,279

all i'm actually

4821

02:44:53,750 --> 02:44:51,040

trying to visualize it so when you see

4822

02:44:55,990 --> 02:44:53,760

it are you seeing it

4823

02:44:56,870 --> 02:44:56,000

with a with a black background and it's

4824

02:44:58,950 --> 02:44:56,880

just the cards

4825

02:45:00,870 --> 02:44:58,960

are you seeing it as if you're not

4826
02:45:02,950 --> 02:45:00,880
pretty much a black background and just

4827
02:45:04,070 --> 02:45:02,960
just the lines going by and did you go

4828
02:45:06,790 --> 02:45:04,080
in with the intention

4829
02:45:08,230 --> 02:45:06,800
of wanting to debug or was that just the

4830
02:45:09,510 --> 02:45:08,240
experience that came to me it was a

4831
02:45:12,230 --> 02:45:09,520
fortuis

4832
02:45:14,070 --> 02:45:12,240
combination i was in i was meditating

4833
02:45:16,070 --> 02:45:14,080
and i also was thinking

4834
02:45:17,190 --> 02:45:16,080
about my code you know that is when you

4835
02:45:18,070 --> 02:45:17,200
when you work on something like

4836
02:45:19,910 --> 02:45:18,080
debugging

4837
02:45:21,110 --> 02:45:19,920
and it takes you you know you're working

4838
02:45:22,230 --> 02:45:21,120

on it over weeks

4839

02:45:23,910 --> 02:45:22,240

and you have this thing and you're

4840

02:45:25,349 --> 02:45:23,920

always constantly thinking what is the

4841

02:45:26,469 --> 02:45:25,359

what is the problem here you know what

4842

02:45:28,790 --> 02:45:26,479

isn't working

4843

02:45:30,710 --> 02:45:28,800

and i had that i was in a meditation and

4844

02:45:32,469 --> 02:45:30,720

i had that thought come up because

4845

02:45:33,830 --> 02:45:32,479

that's what and you also mentioned that

4846

02:45:35,510 --> 02:45:33,840

transcendental is much better

4847

02:45:37,510 --> 02:45:35,520

for people who have chaotic minds

4848

02:45:38,790 --> 02:45:37,520

because they don't have to stop

4849

02:45:40,630 --> 02:45:38,800

thinking in the same way that

4850

02:45:44,070 --> 02:45:40,640

mindfulness

4851

02:45:45,590 --> 02:45:44,080

wants to yeah they they

4852

02:45:47,590 --> 02:45:45,600

they're thinking but they're thinking

4853

02:45:49,269 --> 02:45:47,600

nonsense right they're thinking stuff

4854

02:45:50,950 --> 02:45:49,279

that's non-operable

4855

02:45:52,389 --> 02:45:50,960

you know something you can't operate on

4856

02:45:53,590 --> 02:45:52,399

something that the intellect can't do

4857

02:45:56,630 --> 02:45:53,600

anything with

4858

02:45:58,550 --> 02:45:56,640

you know just a meaningless sound yes

4859

02:46:00,309 --> 02:45:58,560

yes so that's right that's the thing so

4860

02:46:02,630 --> 02:46:00,319

you know if you're if your mantra was

4861

02:46:03,510 --> 02:46:02,640

a ham sandwich yes then that wouldn't

4862

02:46:06,710 --> 02:46:03,520

work because

4863

02:46:08,309 --> 02:46:06,720

how'd you know mine that wouldn't work

4864

02:46:08,790 --> 02:46:08,319

because you might get hungry or you

4865

02:46:10,790 --> 02:46:08,800

might

4866

02:46:13,190 --> 02:46:10,800

think that's why it's not working for me

4867

02:46:15,510 --> 02:46:13,200

okay okay so when i'm doing mine

4868

02:46:16,950 --> 02:46:15,520

sometimes i put my fingers together

4869

02:46:19,110 --> 02:46:16,960

sometimes i don't

4870

02:46:20,870 --> 02:46:19,120

does that matter because i see people

4871

02:46:21,510 --> 02:46:20,880

who traditionally they interlock certain

4872

02:46:25,030 --> 02:46:21,520

digits

4873

02:46:28,469 --> 02:46:25,040

right does it matter not really

4874

02:46:33,190 --> 02:46:28,479

does can it can it be a value

4875

02:46:36,309 --> 02:46:33,200

yes it can there's a lot of things

4876

02:46:38,469 --> 02:46:36,319

you know you're familiar with the

4877

02:46:40,630 --> 02:46:38,479

placebo effect

4878

02:46:41,590 --> 02:46:40,640

okay so if you think you're likely to

4879

02:46:43,269 --> 02:46:41,600

get better you

4880

02:46:44,790 --> 02:46:43,279

will get better if you think this is

4881

02:46:47,190 --> 02:46:44,800

going to help you

4882

02:46:48,230 --> 02:46:47,200

it possibly can help you and make it

4883

02:46:50,710 --> 02:46:48,240

work better

4884

02:46:52,950 --> 02:46:50,720

just because it makes your attitude more

4885

02:46:55,110 --> 02:46:52,960

positive toward it your intent becomes a

4886

02:46:57,510 --> 02:46:55,120

more positive intent toward the outcome

4887

02:46:59,670 --> 02:46:57,520

which actually then changes the outcome

4888

02:47:02,870 --> 02:46:59,680

yes it can be effective but it isn't

4889

02:47:03,269 --> 02:47:02,880

anything fundamental and you can open

4890

02:47:05,750 --> 02:47:03,279

this

4891

02:47:07,670 --> 02:47:05,760

circuit or close that circuit and it'll

4892

02:47:09,349 --> 02:47:07,680

feel a little different

4893

02:47:10,870 --> 02:47:09,359

you're just feeling in your body or you

4894

02:47:12,790 --> 02:47:10,880

can be lying there and you can touch

4895

02:47:14,309 --> 02:47:12,800

your feet together or pull them apart or

4896

02:47:16,710 --> 02:47:14,319

put your hands on your

4897

02:47:18,150 --> 02:47:16,720

on your legs or put your hands up here

4898

02:47:19,590 --> 02:47:18,160

and you can feel

4899

02:47:21,110 --> 02:47:19,600

a little different oh this feels

4900

02:47:22,870 --> 02:47:21,120

different the energy seems to flow

4901
02:47:23,910 --> 02:47:22,880
differently well that energy flowing

4902
02:47:26,950 --> 02:47:23,920
differently

4903
02:47:30,710 --> 02:47:26,960
is is this metaphorical your

4904
02:47:33,030 --> 02:47:30,720
your your differences are things that

4905
02:47:34,389 --> 02:47:33,040
you're looking for a difference and

4906
02:47:36,550 --> 02:47:34,399
you're finding one

4907
02:47:38,389 --> 02:47:36,560
you often look for the you often find

4908
02:47:41,590 --> 02:47:38,399
the things you're looking for

4909
02:47:43,510 --> 02:47:41,600
okay because you tend to

4910
02:47:44,950 --> 02:47:43,520
manifest them you create the stuff

4911
02:47:45,349 --> 02:47:44,960
you're looking for so if you could say

4912
02:47:46,950 --> 02:47:45,359
well

4913
02:47:48,950 --> 02:47:46,960

i'm going to test this and see how this

4914

02:47:50,309 --> 02:47:48,960

works and you'll find a little

4915

02:47:52,389 --> 02:47:50,319

difference there

4916

02:47:54,070 --> 02:47:52,399

you can turn it into a tool oh whenever

4917

02:47:56,150 --> 02:47:54,080

i put my fingers together like this i'll

4918

02:47:58,469 --> 02:47:56,160

be able to meditate real easily

4919

02:47:59,910 --> 02:47:58,479

now it becomes a tool and it's a thing

4920

02:48:02,070 --> 02:47:59,920

you can use to help

4921

02:48:03,910 --> 02:48:02,080

calm your mind so yes it works but no

4922

02:48:06,389 --> 02:48:03,920

it's not fundamental

4923

02:48:07,510 --> 02:48:06,399

it's not about the body the body's just

4924

02:48:09,910 --> 02:48:07,520

an avatar

4925

02:48:11,510 --> 02:48:09,920

the body is a picture on a screen he

4926

02:48:13,110 --> 02:48:11,520

mentioned that doing it lying down is

4927

02:48:16,309 --> 02:48:13,120

not as effective as sitting

4928

02:48:18,389 --> 02:48:16,319

and i'm wondering why is that the case

4929

02:48:20,710 --> 02:48:18,399

oh well most of the time i don't know

4930

02:48:23,429 --> 02:48:20,720

that i said that but i probably did

4931

02:48:25,990 --> 02:48:23,439

i would say it because for most people

4932

02:48:27,750 --> 02:48:26,000

lying down

4933

02:48:29,670 --> 02:48:27,760

ends up falling asleep or losing

4934

02:48:30,070 --> 02:48:29,680

consciousness whereas sitting up is much

4935

02:48:32,710 --> 02:48:30,080

harder

4936

02:48:34,469 --> 02:48:32,720

to do that so often people have a

4937

02:48:36,070 --> 02:48:34,479

problem with they start to meditate and

4938

02:48:38,309 --> 02:48:36,080

then they end up falling asleep

4939

02:48:39,910 --> 02:48:38,319

if you sit up that's less likely to

4940

02:48:42,950 --> 02:48:39,920

happen for you who's

4941

02:48:44,469 --> 02:48:42,960

an expert in this can you get to a state

4942

02:48:47,190 --> 02:48:44,479

where you visit mind space or

4943

02:48:47,910 --> 02:48:47,200

npmr with lying down and doing your

4944

02:48:51,110 --> 02:48:47,920

mantra

4945

02:48:53,190 --> 02:48:51,120

get there in

4946

02:48:54,389 --> 02:48:53,200

less than a tenth of a second while i'm

4947

02:48:55,830 --> 02:48:54,399

doing anything

4948

02:48:58,230 --> 02:48:55,840

that's because you practice it for so

4949

02:49:00,150 --> 02:48:58,240

long yeah sure

4950

02:49:01,910 --> 02:49:00,160

it's just uh getting into these other

4951
02:49:03,910 --> 02:49:01,920
spaces is just shifting your intent to

4952
02:49:06,070 --> 02:49:03,920
another data stream

4953
02:49:08,550 --> 02:49:06,080
how long does it take you to go from uh

4954
02:49:10,830 --> 02:49:08,560
you know the sims to world of warcraft

4955
02:49:12,230 --> 02:49:10,840
you can see how old my metaphors are

4956
02:49:13,750 --> 02:49:12,240
right

4957
02:49:15,510 --> 02:49:13,760
but you know how long do you play video

4958
02:49:18,150 --> 02:49:15,520
games have you played them before no

4959
02:49:19,830 --> 02:49:18,160
i don't play them when video games were

4960
02:49:21,190 --> 02:49:19,840
a thing and i was young enough to have

4961
02:49:23,830 --> 02:49:21,200
the time to do it

4962
02:49:25,590 --> 02:49:23,840
um you know there were no computers the

4963
02:49:28,630 --> 02:49:25,600

world is a computer anyway so

4964

02:49:30,550 --> 02:49:28,640

yeah so i uh by the time they came

4965

02:49:33,269 --> 02:49:30,560

around even the very crude ones

4966

02:49:35,429 --> 02:49:33,279

you know i was uh you know in my 40s and

4967

02:49:37,190 --> 02:49:35,439

50s and i watched my children play them

4968

02:49:39,110 --> 02:49:37,200

so i have spent some time looking over

4969

02:49:40,309 --> 02:49:39,120

their shoulder because i'm interested in

4970

02:49:41,910 --> 02:49:40,319

how does this work

4971

02:49:43,830 --> 02:49:41,920

you know what's the graphics like you

4972

02:49:47,269 --> 02:49:43,840

know what are the rules and

4973

02:49:48,070 --> 02:49:47,279

it interests me so i watched my kids

4974

02:49:49,670 --> 02:49:48,080

playing them but

4975

02:49:51,110 --> 02:49:49,680

i've never really spent much time

4976
02:49:51,590 --> 02:49:51,120
playing i've always had too many other

4977
02:49:53,670 --> 02:49:51,600
things

4978
02:49:54,710 --> 02:49:53,680
on my plate to do that we're a higher

4979
02:49:56,230 --> 02:49:54,720
priority

4980
02:49:58,870 --> 02:49:56,240
what's the relationship between your

4981
02:50:00,950 --> 02:49:58,880
theory and non-dualism

4982
02:50:02,950 --> 02:50:00,960
well there is a relationship in that

4983
02:50:04,710 --> 02:50:02,960
non-dualism

4984
02:50:06,790 --> 02:50:04,720
basically ends up with the idea that

4985
02:50:08,630 --> 02:50:06,800
we're all one right it's not to us it

4986
02:50:11,830 --> 02:50:08,640
could not us and them

4987
02:50:12,870 --> 02:50:11,840
we're all one thing and mine basically

4988
02:50:14,870 --> 02:50:12,880

says

4989

02:50:16,469 --> 02:50:14,880

we're all pieces of consciousness we're

4990

02:50:18,710 --> 02:50:16,479

all pieces of the

4991

02:50:20,950 --> 02:50:18,720

larger consciousness system now you can

4992

02:50:23,269 --> 02:50:20,960

think of a piece of consciousness and it

4993

02:50:25,110 --> 02:50:23,279

partitions off a little piece of memory

4994

02:50:27,429 --> 02:50:25,120

and and processing power and whatever

4995

02:50:28,870 --> 02:50:27,439

and ah there's an iuc and it

4996

02:50:30,469 --> 02:50:28,880

partitions off a piece of that no

4997

02:50:32,389 --> 02:50:30,479

there's a free will awareness unit

4998

02:50:33,750 --> 02:50:32,399

but it's all just within this larger

4999

02:50:36,150 --> 02:50:33,760

consciousness system

5000

02:50:38,630 --> 02:50:36,160

non-duality basically comes to the we're

5001
02:50:40,710 --> 02:50:38,640
all one and so do i we're all

5002
02:50:41,830 --> 02:50:40,720
we're all one thing which is

5003
02:50:44,630 --> 02:50:41,840
consciousness

5004
02:50:46,389 --> 02:50:44,640
we all have the same purpose which is to

5005
02:50:49,990 --> 02:50:46,399
evolve

5006
02:50:51,670 --> 02:50:50,000
it's uh yeah so in that sense we're the

5007
02:50:54,550 --> 02:50:51,680
same but i think some of the

5008
02:50:57,910 --> 02:50:54,560
non-dualists also go off onto other

5009
02:51:01,110 --> 02:50:57,920
other side issues that i don't i just

5010
02:51:03,190 --> 02:51:01,120
see that yeah as far as i know there are

5011
02:51:05,510 --> 02:51:03,200
five different forms of non-dualism

5012
02:51:06,950 --> 02:51:05,520
so what you're saying is i think modeism

5013
02:51:09,110 --> 02:51:06,960

which is that we all belong to the same

5014

02:51:10,469 --> 02:51:09,120

vellum the same underlying material

5015

02:51:12,550 --> 02:51:10,479

and then there's another that has to do

5016

02:51:14,150 --> 02:51:12,560

advaita i believe that says subject and

5017

02:51:16,150 --> 02:51:14,160

object are the same

5018

02:51:17,910 --> 02:51:16,160

and then there's non-negation which says

5019

02:51:18,630 --> 02:51:17,920

up down left right good evil they're all

5020

02:51:19,990 --> 02:51:18,640

the same

5021

02:51:21,830 --> 02:51:20,000

i don't think that one is what you're

5022

02:51:23,110 --> 02:51:21,840

saying because you do say

5023

02:51:24,790 --> 02:51:23,120

there needs to be a difference in order

5024

02:51:25,910 --> 02:51:24,800

for there to be information because you

5025

02:51:27,830 --> 02:51:25,920

can't have all zeros

5026

02:51:29,349 --> 02:51:27,840

you can't have all ones right there's no

5027

02:51:30,550 --> 02:51:29,359

better exactly right so there has to be

5028

02:51:31,030 --> 02:51:30,560

some difference so then it can't be that

5029

02:51:32,790 --> 02:51:31,040

one

5030

02:51:34,309 --> 02:51:32,800

and then advaya might be something like

5031

02:51:36,070 --> 02:51:34,319

the absolute and relative truths of

5032

02:51:37,830 --> 02:51:36,080

buddhism are one and the same

5033

02:51:39,269 --> 02:51:37,840

now that one you're not saying anything

5034

02:51:40,150 --> 02:51:39,279

about buddhism so obviously that one

5035

02:51:42,710 --> 02:51:40,160

doesn't count

5036

02:51:44,950 --> 02:51:42,720

but you did say something in the opening

5037

02:51:47,269 --> 02:51:44,960

when we were speaking which is that

5038

02:51:48,630 --> 02:51:47,279

my big toe you said it's my big toe

5039

02:51:51,030 --> 02:51:48,640

because it's about

5040

02:51:52,389 --> 02:51:51,040

my subjective understanding of the truth

5041

02:51:55,510 --> 02:51:52,399

and then that made me

5042

02:51:56,150 --> 02:51:55,520

question is truth subjective or is truth

5043

02:51:59,269 --> 02:51:56,160

objective

5044

02:52:00,710 --> 02:51:59,279

in your model ah truth is something that

5045

02:52:02,870 --> 02:52:00,720

um

5046

02:52:04,150 --> 02:52:02,880

that's a good that's a good question the

5047

02:52:05,510 --> 02:52:04,160

uh

5048

02:52:07,670 --> 02:52:05,520

yeah i have a couple of things that i

5049

02:52:10,950 --> 02:52:07,680

say a lot and one of them is

5050

02:52:13,910 --> 02:52:10,960

that uh you must always remain skeptical

5051
02:52:15,349 --> 02:52:13,920
okay it's it's you must be open-minded

5052
02:52:17,190 --> 02:52:15,359
and skeptical

5053
02:52:18,870 --> 02:52:17,200
both at the same time and the other

5054
02:52:20,790 --> 02:52:18,880
thing i say if it's not your experience

5055
02:52:23,510 --> 02:52:20,800
it's not your truth

5056
02:52:23,830 --> 02:52:23,520
so there are things like your truth

5057
02:52:25,830 --> 02:52:23,840
right

5058
02:52:27,429 --> 02:52:25,840
that's your truth yeah meaning

5059
02:52:31,030 --> 02:52:27,439
subjective

5060
02:52:33,670 --> 02:52:31,040
there really is no

5061
02:52:34,389 --> 02:52:33,680
objective world everything is subjective

5062
02:52:37,429 --> 02:52:34,399
now here's

5063
02:52:38,870 --> 02:52:37,439

why that is but the but the what we call

5064

02:52:40,710 --> 02:52:38,880

the objective world

5065

02:52:42,070 --> 02:52:40,720

is just that part of the subjective

5066

02:52:45,429 --> 02:52:42,080

world that has very

5067

02:52:47,910 --> 02:52:45,439

small um

5068

02:52:49,429 --> 02:52:47,920

error bars is it's it's defined it has

5069

02:52:50,230 --> 02:52:49,439

very little uncertainty let me put it

5070

02:52:52,550 --> 02:52:50,240

that way

5071

02:52:53,670 --> 02:52:52,560

so everything is subjective you think

5072

02:52:56,469 --> 02:52:53,680

that it's that this

5073

02:52:58,389 --> 02:52:56,479

you know say a brick take a brick and a

5074

02:53:02,070 --> 02:52:58,399

brick is an objective thing

5075

02:53:05,830 --> 02:53:02,080

all right but it is only in a

5076

02:53:06,469 --> 02:53:05,840

only within the within the idea that

5077

02:53:10,309 --> 02:53:06,479

that brick

5078

02:53:12,630 --> 02:53:10,319

exists with a right has a certain volume

5079

02:53:13,990 --> 02:53:12,640

certain length width height but it

5080

02:53:17,269 --> 02:53:14,000

doesn't really

5081

02:53:17,670 --> 02:53:17,279

if you try to measure that you will find

5082

02:53:19,349 --> 02:53:17,680

that

5083

02:53:20,790 --> 02:53:19,359

there's always a plus or minus on it

5084

02:53:22,870 --> 02:53:20,800

there's always measurement error

5085

02:53:25,349 --> 02:53:22,880

nobody really knows exactly what its

5086

02:53:26,309 --> 02:53:25,359

volume is nobody knows exactly what its

5087

02:53:28,870 --> 02:53:26,319

length height

5088

02:53:31,349 --> 02:53:28,880

you know and exactly what its weight is

5089

02:53:34,870 --> 02:53:31,359

all those things fluctuate

5090

02:53:36,830 --> 02:53:34,880

from second to second so it's really

5091

02:53:38,150 --> 02:53:36,840

all those physical attributes of that

5092

02:53:44,070 --> 02:53:38,160

brick

5093

02:53:44,870 --> 02:53:44,080

really any of those things what we call

5094

02:53:47,269 --> 02:53:44,880

a brick

5095

02:53:49,190 --> 02:53:47,279

is the average of those things it's

5096

02:53:50,150 --> 02:53:49,200

about this long about this high about

5097

02:53:52,389 --> 02:53:50,160

this weight

5098

02:53:54,230 --> 02:53:52,399

see so a brick is really subjective and

5099

02:53:56,150 --> 02:53:54,240

as much as if you had 10 people measure

5100

02:53:57,830 --> 02:53:56,160

it you'd get 10 different answers

5101
02:53:59,349 --> 02:53:57,840
because each one would get to a certain

5102
02:54:00,790 --> 02:53:59,359
point and they're measuring couldn't

5103
02:54:03,910 --> 02:54:00,800
measure it any more than that

5104
02:54:05,990 --> 02:54:03,920
besides the brick is always in flux

5105
02:54:07,269 --> 02:54:06,000
atoms are always leaving or molecules

5106
02:54:10,070 --> 02:54:07,279
are always leaving and

5107
02:54:11,590 --> 02:54:10,080
other things are always coming in it's

5108
02:54:14,309 --> 02:54:11,600
always in flux so

5109
02:54:15,429 --> 02:54:14,319
but the error bars you know a brick plus

5110
02:54:17,590 --> 02:54:15,439
or minus

5111
02:54:19,590 --> 02:54:17,600
is very very small so the uncertainty in

5112
02:54:22,630 --> 02:54:19,600
that brick is really really small

5113
02:54:23,190 --> 02:54:22,640

and but it's still subjective we cannot

5114

02:54:26,550 --> 02:54:23,200

make it

5115

02:54:27,429 --> 02:54:26,560

precise so in the world of everything

5116

02:54:30,150 --> 02:54:27,439

being

5117

02:54:31,590 --> 02:54:30,160

subjective those things that have very

5118

02:54:33,830 --> 02:54:31,600

very small uncertainty

5119

02:54:36,309 --> 02:54:33,840

is what we call the objective world

5120

02:54:39,030 --> 02:54:36,319

those things that have more uncertainty

5121

02:54:39,590 --> 02:54:39,040

like you know what is justice what's

5122

02:54:41,910 --> 02:54:39,600

truth

5123

02:54:43,190 --> 02:54:41,920

see they have a lot of uncertainty well

5124

02:54:46,070 --> 02:54:43,200

then we call those

5125

02:54:47,110 --> 02:54:46,080

subjective because the mind is

5126
02:54:48,950 --> 02:54:47,120
subjective

5127
02:54:51,030 --> 02:54:48,960
and we look at this outside world and it

5128
02:54:52,550 --> 02:54:51,040
has very little uncertainty about where

5129
02:54:53,750 --> 02:54:52,560
it is and how much it weighs and where

5130
02:54:55,670 --> 02:54:53,760
it's located and

5131
02:54:57,110 --> 02:54:55,680
what it can do because that is a little

5132
02:54:59,510 --> 02:54:57,120
small uncertainty about it

5133
02:55:00,870 --> 02:54:59,520
so everything is really subjective in

5134
02:55:02,150 --> 02:55:00,880
that different people would get

5135
02:55:05,269 --> 02:55:02,160
different answers

5136
02:55:08,630 --> 02:55:05,279
but if it has a very small uncertainty

5137
02:55:09,910 --> 02:55:08,640
it approximates being objective so it's

5138
02:55:13,110 --> 02:55:09,920

approximately

5139

02:55:15,910 --> 02:55:13,120

objective to a very good approximation

5140

02:55:16,870 --> 02:55:15,920

you see so that's the way it is so yes

5141

02:55:21,030 --> 02:55:16,880

you can have

5142

02:55:22,950 --> 02:55:21,040

subjective science subjective states

5143

02:55:24,309 --> 02:55:22,960

things that are reproducible

5144

02:55:28,070 --> 02:55:24,319

explanations that

5145

02:55:30,950 --> 02:55:28,080

are consistent and logical and accurate

5146

02:55:32,630 --> 02:55:30,960

over in the in the stuff with high

5147

02:55:35,030 --> 02:55:32,640

uncertainty too

5148

02:55:35,910 --> 02:55:35,040

but that on the uncertainty is a part of

5149

02:55:37,590 --> 02:55:35,920

them

5150

02:55:39,429 --> 02:55:37,600

you know they are uncertain so you have

5151
02:55:40,870 --> 02:55:39,439
to say that over here in the subjective

5152
02:55:42,309 --> 02:55:40,880
world you got to deal with more

5153
02:55:43,910 --> 02:55:42,319
uncertainty

5154
02:55:46,150 --> 02:55:43,920
it's not that everything is flim-flam

5155
02:55:47,030 --> 02:55:46,160
over there it's that you have to realize

5156
02:55:49,110 --> 02:55:47,040
that there's

5157
02:55:51,110 --> 02:55:49,120
uncertainties about things and a lot of

5158
02:55:52,469 --> 02:55:51,120
that uncertainty comes from the fact

5159
02:55:55,590 --> 02:55:52,479
that we have a very

5160
02:55:58,469 --> 02:55:55,600
untrained undeveloped

5161
02:56:00,550 --> 02:55:58,479
intuitive side and we're lousy with with

5162
02:56:01,030 --> 02:56:00,560
our intuition because of that our minds

5163
02:56:03,830 --> 02:56:01,040

are

5164

02:56:05,349 --> 02:56:03,840

jumping everywhere we can't focus uh we

5165

02:56:07,429 --> 02:56:05,359

have all these beliefs

5166

02:56:09,590 --> 02:56:07,439

which folk you know which change what it

5167

02:56:10,790 --> 02:56:09,600

is we can the data that we can accept we

5168

02:56:13,269 --> 02:56:10,800

get data that's

5169

02:56:13,910 --> 02:56:13,279

not con you know not within our beliefs

5170

02:56:16,950 --> 02:56:13,920

and we just

5171

02:56:17,590 --> 02:56:16,960

throw it away we refuse it we won't even

5172

02:56:19,510 --> 02:56:17,600

look at it

5173

02:56:21,269 --> 02:56:19,520

conscious system won't even register it

5174

02:56:24,630 --> 02:56:21,279

no that's that was noise

5175

02:56:27,349 --> 02:56:24,640

skip it because it's not with our belief

5176

02:56:29,190 --> 02:56:27,359

so in that world you can also be

5177

02:56:32,230 --> 02:56:29,200

scientific but you have to take

5178

02:56:36,550 --> 02:56:32,240

probability into account

5179

02:56:39,510 --> 02:56:36,560

because there's lots of of uh

5180

02:56:39,990 --> 02:56:39,520

uh uncertainty whereas with the brick

5181

02:56:42,230 --> 02:56:40,000

you don't have

5182

02:56:43,349 --> 02:56:42,240

to take probability into account it's a

5183

02:56:45,590 --> 02:56:43,359

brick

5184

02:56:47,750 --> 02:56:45,600

you know i don't care if it's a

5185

02:56:49,670 --> 02:56:47,760

thousandth of a millimeter

5186

02:56:51,110 --> 02:56:49,680

longer or fatter or lumpy or whatever

5187

02:56:52,630 --> 02:56:51,120

doesn't make any difference

5188

02:56:54,469 --> 02:56:52,640

so that's the difference in the world so

5189

02:56:56,870 --> 02:56:54,479

the science can apply everywhere

5190

02:56:58,150 --> 02:56:56,880

it can apply where there's very small

5191

02:56:58,950 --> 02:56:58,160

uncertainties and where there's large

5192

02:57:02,150 --> 02:56:58,960

uncertainties

5193

02:57:03,590 --> 02:57:02,160

science is just basically logic that

5194

02:57:07,750 --> 02:57:03,600

explains

5195

02:57:08,230 --> 02:57:07,760

facts that's what science is so if i can

5196

02:57:10,630 --> 02:57:08,240

give you

5197

02:57:13,510 --> 02:57:10,640

logic that explains why you feel the way

5198

02:57:15,830 --> 02:57:13,520

you feel and why you get angry

5199

02:57:17,349 --> 02:57:15,840

and it explains that with a model and

5200

02:57:19,269 --> 02:57:17,359

you look at it and you say well yeah

5201

02:57:21,269 --> 02:57:19,279

okay i got that stuff but i got that and

5202

02:57:25,349 --> 02:57:21,279

sure enough that's the result

5203

02:57:27,190 --> 02:57:25,359

there's anger and it it tells you about

5204

02:57:29,190 --> 02:57:27,200

what's inside your mind then that's a

5205

02:57:30,230 --> 02:57:29,200

good model if you look at my model and

5206

02:57:31,830 --> 02:57:30,240

it doesn't explain

5207

02:57:34,070 --> 02:57:31,840

your experience then it's not a good

5208

02:57:35,510 --> 02:57:34,080

model or you just don't understand it

5209

02:57:37,510 --> 02:57:35,520

you know one of the other but in either

5210

02:57:40,630 --> 02:57:37,520

case it's not useful so

5211

02:57:41,110 --> 02:57:40,640

you know throw it out so that's the idea

5212

02:57:43,750 --> 02:57:41,120

so

5213

02:57:44,950 --> 02:57:43,760

all of reality is just one thing and

5214

02:57:48,150 --> 02:57:44,960

that's

5215

02:57:53,750 --> 02:57:48,160

why you can have one overarching

5216

02:57:58,389 --> 02:57:56,870

thomas it's been a pleasure

5217

02:58:00,630 --> 02:57:58,399

i know you got to go or your wife is

5218

02:58:01,990 --> 02:58:00,640

going to kill you is it all right if i

5219

02:58:03,830 --> 02:58:02,000

just ask you there's a couple audience

5220

02:58:04,389 --> 02:58:03,840

questions you can just bang him out yeah

5221

02:58:06,230 --> 02:58:04,399

okay

5222

02:58:07,750 --> 02:58:06,240

it's hard for me to bang anything out as

5223

02:58:11,269 --> 02:58:07,760

you've as you've discovered but

5224

02:58:12,550 --> 02:58:11,279

uh go ahead okay someone said so excited

5225

02:58:14,150 --> 02:58:12,560

this should be a fun interview

5226

02:58:15,670 --> 02:58:14,160

one thing i'd like to ask tom about is

5227

02:58:17,110 --> 02:58:15,680

spiritual determinism classical

5228

02:58:17,830 --> 02:58:17,120

determinism comes from a belief that

5229

02:58:20,309 --> 02:58:17,840

matter

5230

02:58:22,150 --> 02:58:20,319

is fundamental physicalism and so on and

5231

02:58:23,269 --> 02:58:22,160

it's held by mainstream science however

5232

02:58:24,790 --> 02:58:23,279

recent quantum phys

5233

02:58:26,710 --> 02:58:24,800

let me read this through because this is

5234

02:58:27,990 --> 02:58:26,720

a bit wordy okay i'm gonna have to skip

5235

02:58:30,309 --> 02:58:28,000

that one because it's gonna take me

5236

02:58:32,309 --> 02:58:30,319

quite some time just to read it

5237

02:58:33,750 --> 02:58:32,319

what's just can you assume can you just

5238

02:58:35,190 --> 02:58:33,760

without all the explanations okay

5239

02:58:37,269 --> 02:58:35,200

let me just read it on my own and then

5240

02:58:38,710 --> 02:58:37,279

i'll sum it up because quite a bit

5241

02:58:41,030 --> 02:58:38,720

you can just define spiritual

5242

02:58:42,550 --> 02:58:41,040

determinism i don't know what

5243

02:58:44,309 --> 02:58:42,560

i don't know what spiritual determinism

5244

02:58:46,550 --> 02:58:44,319

is that's okay okay

5245

02:58:47,830 --> 02:58:46,560

whatever common belief in mainstream

5246

02:58:49,590 --> 02:58:47,840

science is that it's physicalism i think

5247

02:58:51,030 --> 02:58:49,600

it means materialism look physicalism is

5248

02:58:53,670 --> 02:58:51,040

materialism with fundamental laws

5249

02:58:55,269 --> 02:58:53,680

okay however recent quantum physics

5250

02:58:55,830 --> 02:58:55,279

refute this dogmatic belief on the other

5251

02:58:57,750 --> 02:58:55,840

hand

5252

02:58:59,110 --> 02:58:57,760

spiritual non-duality teachers start

5253

02:59:00,790 --> 02:58:59,120

with the opposite assumption that

5254

02:59:03,030 --> 02:59:00,800

consciousness is fundamental

5255

02:59:04,469 --> 02:59:03,040

yet they seem to claim that life is

5256

02:59:06,790 --> 02:59:04,479

predetermined

5257

02:59:08,630 --> 02:59:06,800

this claim is based on the teachings of

5258

02:59:10,710 --> 02:59:08,640

the highly respected masters such as

5259

02:59:14,230 --> 02:59:10,720

ramana maharshi

5260

02:59:16,790 --> 02:59:14,240

so and so on and many others for example

5261

02:59:18,469 --> 02:59:16,800

ramesh was known for his statement life

5262

02:59:19,750 --> 02:59:18,479

is like a scripted movie that's already

5263

02:59:21,910 --> 02:59:19,760

been completed

5264

02:59:24,630 --> 02:59:21,920

yeah it's in the can yeah i disagree

5265

02:59:28,389 --> 02:59:24,640

with all of that that is not the case

5266

02:59:31,830 --> 02:59:28,399

um their determinism is a

5267

02:59:35,190 --> 02:59:31,840

dead idea and i i would say

5268

02:59:38,790 --> 02:59:35,200

evolution is open-ended evolution

5269

02:59:41,269 --> 02:59:38,800

is choice choice making and the results

5270

02:59:42,950 --> 02:59:41,279

either evolve and go forward or they you

5271

02:59:45,110 --> 02:59:42,960

know they don't

5272

02:59:47,030 --> 02:59:45,120

they don't work out and they disappear

5273

02:59:48,870 --> 02:59:47,040

so it's always open-ended

5274

02:59:50,150 --> 02:59:48,880

and we are evolving toward lowering

5275

02:59:52,309 --> 02:59:50,160

entropy and you

5276

02:59:53,990 --> 02:59:52,319

never actually get to zero entropy

5277

02:59:55,030 --> 02:59:54,000

you're always working on it and as soon

5278

02:59:56,790 --> 02:59:55,040

as you stop

5279

02:59:58,630 --> 02:59:56,800

working on lowering your entropy your

5280

03:00:02,070 --> 02:59:58,640

entropy starts to increase

5281

03:00:04,950 --> 03:00:02,080

so there's always something to do so

5282

03:00:07,349 --> 03:00:04,960

no it's there is no determinism in this

5283

03:00:10,230 --> 03:00:07,359

and i think where that comes from

5284

03:00:12,790 --> 03:00:10,240

why these these gurus say that is

5285

03:00:16,630 --> 03:00:14,950

in order in our culture these days and

5286

03:00:19,830 --> 03:00:16,640

that's everywhere

5287

03:00:23,349 --> 03:00:19,840

that if you conflict directly

5288

03:00:25,030 --> 03:00:23,359

with science you're wrong

5289

03:00:26,630 --> 03:00:25,040

so these are they want to be accepted by

5290

03:00:28,550 --> 03:00:26,640

mainstream science

5291

03:00:30,230 --> 03:00:28,560

they want the cake they need to they

5292

03:00:33,030 --> 03:00:30,240

want to be accepted by

5293

03:00:34,070 --> 03:00:33,040

mainstream thought mainstream attitudes

5294

03:00:35,750 --> 03:00:34,080

not just science

5295

03:00:37,190 --> 03:00:35,760

science isn't going to go you know

5296

03:00:39,030 --> 03:00:37,200

except their religion but

5297

03:00:40,870 --> 03:00:39,040

just people when they say this thing

5298

03:00:41,990 --> 03:00:40,880

about determinism that's oh yeah okay

5299

03:00:43,349 --> 03:00:42,000

einstein

5300

03:00:44,950 --> 03:00:43,359

you know and his relativity and his

5301
03:00:46,070 --> 03:00:44,960
light cone and all that kind of stuff

5302
03:00:48,230 --> 03:00:46,080
you have time

5303
03:00:49,429 --> 03:00:48,240
you know the future in the past and all

5304
03:00:52,870 --> 03:00:49,439
exists at once and so on

5305
03:00:54,950 --> 03:00:52,880
yada yada so that has been publicized so

5306
03:00:55,670 --> 03:00:54,960
much because it's such a wowzy kind of

5307
03:00:59,110 --> 03:00:55,680
thing

5308
03:01:02,550 --> 03:00:59,120
that they have to meet that or they're

5309
03:01:04,070 --> 03:01:02,560
wrong and okay your your you know your

5310
03:01:05,910 --> 03:01:04,080
religion or whatever you got conflicts

5311
03:01:06,550 --> 03:01:05,920
with science science says it's not that

5312
03:01:09,110 --> 03:01:06,560
way

5313
03:01:13,030 --> 03:01:09,120

so i think that's why these guys end up

5314

03:01:14,550 --> 03:01:13,040

with that because they're trying to be

5315

03:01:16,150 --> 03:01:14,560

right you know they're trying to be on

5316

03:01:19,030 --> 03:01:16,160

the right side of science

5317

03:01:19,990 --> 03:01:19,040

but it's just not that way that math is

5318

03:01:23,030 --> 03:01:20,000

just being interpreted

5319

03:01:24,710 --> 03:01:23,040

wrong it doesn't mean that it's that's

5320

03:01:27,510 --> 03:01:24,720

how they're interpreting it

5321

03:01:29,110 --> 03:01:27,520

math is not the physical world math is

5322

03:01:32,309 --> 03:01:29,120

trying to be a description but you have

5323

03:01:34,790 --> 03:01:32,319

math and then you interpret it to be

5324

03:01:36,950 --> 03:01:34,800

a model of the physical world but these

5325

03:01:39,030 --> 03:01:36,960

interpretations can be wrong

5326
03:01:39,990 --> 03:01:39,040
you know they don't necessarily mean

5327
03:01:42,230 --> 03:01:40,000
that

5328
03:01:43,349 --> 03:01:42,240
it's just the interpretation people give

5329
03:01:45,269 --> 03:01:43,359
to it

5330
03:01:46,950 --> 03:01:45,279
that the past and the future and the

5331
03:01:47,830 --> 03:01:46,960
present are all happening at the same

5332
03:01:51,590 --> 03:01:47,840
time

5333
03:01:54,710 --> 03:01:51,600
is just the logical

5334
03:01:56,469 --> 03:01:54,720
doesn't make any sense and to say oh

5335
03:01:59,190 --> 03:01:56,479
yeah but that's what the equations say

5336
03:02:00,389 --> 03:01:59,200
no they're misinterpreting the equations

5337
03:02:02,550 --> 03:02:00,399
technically don't say that

5338
03:02:04,950 --> 03:02:02,560

because they don't even with classical

5339

03:02:06,469 --> 03:02:04,960

mecha sorry if yes classical mechanics

5340

03:02:08,389 --> 03:02:06,479

nicholas jessen who's a professor of

5341

03:02:10,070 --> 03:02:08,399

physics he makes a great argument that

5342

03:02:11,750 --> 03:02:10,080

you can't actually say that classical

5343

03:02:13,670 --> 03:02:11,760

mechanics is deterministic

5344

03:02:15,429 --> 03:02:13,680

because according to our evidence we

5345

03:02:18,469 --> 03:02:15,439

don't know past the error bar

5346

03:02:19,030 --> 03:02:18,479

and so it could be a finite amount of

5347

03:02:20,309 --> 03:02:19,040

digits

5348

03:02:21,510 --> 03:02:20,319

and then as soon as you have a finite

5349

03:02:22,469 --> 03:02:21,520

amount of digits you can have

5350

03:02:24,150 --> 03:02:22,479

indeterminacy

5351

03:02:26,070 --> 03:02:24,160

and then in addition to that science

5352

03:02:27,349 --> 03:02:26,080

presupposes free will on the part of the

5353

03:02:28,550 --> 03:02:27,359

practitioner otherwise you have

5354

03:02:29,990 --> 03:02:28,560

correlations and then all your

5355

03:02:31,750 --> 03:02:30,000

scientific experiments are not

5356

03:02:33,110 --> 03:02:31,760

i agree with all of that he's a huge

5357

03:02:34,710 --> 03:02:33,120

proponent of free will

5358

03:02:36,710 --> 03:02:34,720

although it's funny because he dislikes

5359

03:02:37,670 --> 03:02:36,720

god and virtually all spirituality as

5360

03:02:39,110 --> 03:02:37,680

far as i could tell

5361

03:02:41,030 --> 03:02:39,120

but he's a huge proponent of free will

5362

03:02:42,389 --> 03:02:41,040

and usually those don't go hand in hand

5363

03:02:43,830 --> 03:02:42,399

usually it's the opposite no usually

5364

03:02:45,429 --> 03:02:43,840

it's the other way around and he also

5365

03:02:46,309 --> 03:02:45,439

made a great argument that if real

5366

03:02:47,670 --> 03:02:46,319

numbers were real

5367

03:02:49,349 --> 03:02:47,680

real he said real numbers should be

5368

03:02:50,389 --> 03:02:49,359

called imaginary numbers because they

5369

03:02:52,950 --> 03:02:50,399

have infinite precision

5370

03:02:54,309 --> 03:02:52,960

and if real numbers were real we should

5371

03:02:55,510 --> 03:02:54,319

have black holes all around us because

5372

03:02:57,030 --> 03:02:55,520

each particle is carrying around an

5373

03:02:58,469 --> 03:02:57,040

infinite amount of information

5374

03:03:01,349 --> 03:02:58,479

and infinite and information has a

5375

03:03:03,269 --> 03:03:01,359

relationship to energy yeah right

5376

03:03:05,269 --> 03:03:03,279

yeah he's just poking little logical

5377

03:03:07,990 --> 03:03:05,279

holes and and you know this

5378

03:03:08,309 --> 03:03:08,000

these beliefs that physicists have okay

5379

03:03:10,550 --> 03:03:08,319

last

5380

03:03:11,349 --> 03:03:10,560

question this one's fairly easy for you

5381

03:03:12,550 --> 03:03:11,359

to answer says

5382

03:03:14,710 --> 03:03:12,560

you have stated that your model assumes

5383

03:03:16,309 --> 03:03:14,720

two things consciousness and evolution

5384

03:03:18,389 --> 03:03:16,319

however if objective science is to

5385

03:03:19,990 --> 03:03:18,399

explain if the objective of science is

5386

03:03:21,830 --> 03:03:20,000

to explain more with less

5387

03:03:24,389 --> 03:03:21,840

wouldn't the final simplest step be to

5388

03:03:25,830 --> 03:03:24,399

explain everything with nothing

5389

03:03:28,150 --> 03:03:25,840

rather than to explain everything with

5390

03:03:30,070 --> 03:03:28,160

consciousness so why would something as

5391

03:03:31,429 --> 03:03:30,080

seemingly complex as consciousness be

5392

03:03:34,230 --> 03:03:31,439

more fundamental than

5393

03:03:35,830 --> 03:03:34,240

nothing as the true foundation okay

5394

03:03:38,389 --> 03:03:35,840

that's easy to answer

5395

03:03:40,150 --> 03:03:38,399

nothing doesn't take you any place you

5396

03:03:42,710 --> 03:03:40,160

know it's like um

5397

03:03:43,750 --> 03:03:42,720

you can answer every question with god

5398

03:03:46,790 --> 03:03:43,760

does it

5399

03:03:53,030 --> 03:03:46,800

you know why

5400

03:03:53,990 --> 03:03:53,040

you know stop god does it everything so

5401

03:03:56,309 --> 03:03:54,000

there's just one answer

5402

03:03:58,389 --> 03:03:56,319

for everything god does it all right

5403

03:04:01,670 --> 03:03:58,399

well what's wrong with that

5404

03:04:03,590 --> 03:04:01,680

what's it's not anything logically

5405

03:04:05,429 --> 03:04:03,600

wrong with that in the sense that you

5406

03:04:07,269 --> 03:04:05,439

could say that

5407

03:04:08,630 --> 03:04:07,279

there's an assumption god exists and god

5408

03:04:10,070 --> 03:04:08,640

does everything right that's the

5409

03:04:10,550 --> 03:04:10,080

assumption but given that assumption

5410

03:04:12,950 --> 03:04:10,560

then

5411

03:04:14,790 --> 03:04:12,960

that's logical god does everything but

5412

03:04:15,750 --> 03:04:14,800

what's wrong with that little piece of

5413

03:04:18,150 --> 03:04:15,760

logic

5414

03:04:19,750 --> 03:04:18,160
is that it doesn't go anywhere it

5415

03:04:21,590 --> 03:04:19,760
doesn't tell you anything

5416

03:04:23,269 --> 03:04:21,600
it doesn't explain anything it doesn't

5417

03:04:26,309 --> 03:04:23,279
give you any insight

5418

03:04:29,910 --> 03:04:26,319
it doesn't help you understand you see

5419

03:04:32,630 --> 03:04:29,920
it's a it's like the you know the

5420

03:04:33,030 --> 03:04:32,640
the null set okay then i have a better

5421

03:04:35,349 --> 03:04:33,040
theory

5422

03:04:37,030 --> 03:04:35,359
it's all it's almost useless in a better

5423

03:04:38,309 --> 03:04:37,040
theory it's just god statement

5424

03:04:40,469 --> 03:04:38,319
god did everything and you're not meant

5425

03:04:42,950 --> 03:04:40,479
to understand

5426

03:04:45,030 --> 03:04:42,960

now well it's the same thing okay so

5427

03:04:46,469 --> 03:04:45,040

what does that help me

5428

03:04:48,150 --> 03:04:46,479

do you're not meant to you're not meant

5429

03:04:50,630 --> 03:04:48,160

to be i'm not meant to understand so

5430

03:04:51,269 --> 03:04:50,640

it's not useful you see it doesn't have

5431

03:04:52,630 --> 03:04:51,279

anything

5432

03:04:54,790 --> 03:04:52,640

it doesn't have any function yeah it's

5433

03:04:57,110 --> 03:04:54,800

not meant to be useful but see people

5434

03:04:58,790 --> 03:04:57,120

like things that like meaning they like

5435

03:04:59,670 --> 03:04:58,800

to understand they like to be able to

5436

03:05:01,190 --> 03:04:59,680

predict

5437

03:05:02,790 --> 03:05:01,200

they like to be able to say well you

5438

03:05:04,070 --> 03:05:02,800

know if i do this and then that and that

5439

03:05:06,950 --> 03:05:04,080

this is going to happen

5440

03:05:07,750 --> 03:05:06,960

they'd like to be able to find reasons

5441

03:05:11,590 --> 03:05:07,760

for things

5442

03:05:14,950 --> 03:05:11,600

explanations um what do we call it the

5443

03:05:16,950 --> 03:05:14,960

um you know

5444

03:05:17,990 --> 03:05:16,960

consequences all all of that kind of

5445

03:05:20,630 --> 03:05:18,000

stuff is important

5446

03:05:22,790 --> 03:05:20,640

to people to understand the reality why

5447

03:05:24,389 --> 03:05:22,800

do you feel the way you do

5448

03:05:26,790 --> 03:05:24,399

why does this happen why does that

5449

03:05:28,230 --> 03:05:26,800

happen you know why is the sky blue

5450

03:05:29,830 --> 03:05:28,240

all these things you know well god made

5451
03:05:31,269 --> 03:05:29,840
it blue well that doesn't tell you

5452
03:05:31,670 --> 03:05:31,279
anything you know if you understand

5453
03:05:33,830 --> 03:05:31,680
about

5454
03:05:35,349 --> 03:05:33,840
light scattering and the wavelength of

5455
03:05:35,990 --> 03:05:35,359
the light and the particle sizes that

5456
03:05:37,750 --> 03:05:36,000
are there

5457
03:05:40,230 --> 03:05:37,760
then you can oh that makes sense okay

5458
03:05:42,630 --> 03:05:40,240
that's you know why we have seasons uh

5459
03:05:44,230 --> 03:05:42,640
you know why it gets from light to dark

5460
03:05:47,349 --> 03:05:44,240
you know all these things help

5461
03:05:49,830 --> 03:05:47,359
us understand our world better and

5462
03:05:51,670 --> 03:05:49,840
help us make better choices as here we

5463
03:05:52,870 --> 03:05:51,680

are to make choices and if we can't make

5464

03:05:53,510 --> 03:05:52,880

any choices because we don't know

5465

03:05:55,670 --> 03:05:53,520

anything

5466

03:05:57,510 --> 03:05:55,680

then everything's random and nothing has

5467

03:06:00,070 --> 03:05:57,520

any purpose or any point

5468

03:06:01,750 --> 03:06:00,080

so the reason that that is not a good

5469

03:06:03,030 --> 03:06:01,760

answer isn't that it's necessarily

5470

03:06:04,550 --> 03:06:03,040

illogical

5471

03:06:06,630 --> 03:06:04,560

god does it and you're not supposed to

5472

03:06:09,990 --> 03:06:06,640

know then that's a

5473

03:06:12,830 --> 03:06:10,000

assumption and it but it goes nowhere

5474

03:06:14,630 --> 03:06:12,840

it offers nothing it just leaves you

5475

03:06:16,230 --> 03:06:14,640

empty whereas

5476

03:06:18,389 --> 03:06:16,240

a solution that actually gives you a

5477

03:06:20,550 --> 03:06:18,399

model here's how reality works oh you're

5478

03:06:22,389 --> 03:06:20,560

miserable and unhappy well here's how

5479

03:06:23,990 --> 03:06:22,399

here's where happiness comes from here's

5480

03:06:26,710 --> 03:06:24,000

how it works

5481

03:06:27,670 --> 03:06:26,720

here's how you end up with that you see

5482

03:06:29,590 --> 03:06:27,680

oh you know

5483

03:06:30,790 --> 03:06:29,600

the sky's blue well here's here's why

5484

03:06:33,830 --> 03:06:30,800

that sky's blue

5485

03:06:34,870 --> 03:06:33,840

it helps you it helps you create

5486

03:06:36,389 --> 03:06:34,880

technology

5487

03:06:38,070 --> 03:06:36,399

it helps you build things you know we

5488

03:06:39,670 --> 03:06:38,080

have internets we can do this kind of

5489

03:06:43,030 --> 03:06:39,680

communication that we're doing

5490

03:06:46,389 --> 03:06:43,040

because we've made models of things

5491

03:06:51,110 --> 03:06:46,399

models and the models work so it helps

5492

03:06:54,469 --> 03:06:51,120

give us more possibilities

5493

03:06:57,910 --> 03:06:54,479

more possibilities are on our way to

5494

03:07:00,070 --> 03:06:57,920

better evolution so that's why that

5495

03:07:01,670 --> 03:07:00,080

simple answer is not a better answer is

5496

03:07:02,870 --> 03:07:01,680

because it doesn't deliver anything

5497

03:07:06,230 --> 03:07:02,880

significant

5498

03:07:07,830 --> 03:07:06,240

i got through only half of one page

5499

03:07:10,150 --> 03:07:07,840

so we'll have to save the rest for next

5500

03:07:11,429 --> 03:07:10,160

time but i do recall you saying that you

5501
03:07:13,030 --> 03:07:11,439
were able to look at a photograph and

5502
03:07:14,550 --> 03:07:13,040
see auras so you could see auras in

5503
03:07:15,590 --> 03:07:14,560
person at least at one point or if your

5504
03:07:17,429 --> 03:07:15,600
intention was correct

5505
03:07:19,110 --> 03:07:17,439
and then someone showed you a photograph

5506
03:07:20,630 --> 03:07:19,120
and you were able to see auras now does

5507
03:07:21,590 --> 03:07:20,640
that mean that the auras were captured

5508
03:07:23,670 --> 03:07:21,600
with photons

5509
03:07:25,349 --> 03:07:23,680
and then can you see over zoom can you

5510
03:07:27,190 --> 03:07:25,359
see auras over movies yeah sure

5511
03:07:28,790 --> 03:07:27,200
doesn't no they're not captured with the

5512
03:07:30,070 --> 03:07:28,800
film or anything else like it not have

5513
03:07:32,150 --> 03:07:30,080

anything to do with that all it has to

5514

03:07:34,870 --> 03:07:32,160

do with is intent

5515

03:07:36,230 --> 03:07:34,880

it's all information so that information

5516

03:07:39,349 --> 03:07:36,240

is available

5517

03:07:41,429 --> 03:07:39,359

in an intuitive space so all i have to

5518

03:07:43,670 --> 03:07:41,439

do is have the intent

5519

03:07:45,030 --> 03:07:43,680

and i have to give it the output format

5520

03:07:48,630 --> 03:07:45,040

well i i want

5521

03:07:50,309 --> 03:07:48,640

the the colors in the aura to

5522

03:07:52,469 --> 03:07:50,319

represent this that or the other thing i

5523

03:07:53,990 --> 03:07:52,479

make up an output format i can make up

5524

03:07:56,150 --> 03:07:54,000

any output format i want

5525

03:07:57,110 --> 03:07:56,160

and then i query the database and i get

5526

03:08:00,550 --> 03:07:57,120

the information

5527

03:08:02,710 --> 03:08:00,560

of a colored picture

5528

03:08:04,469 --> 03:08:02,720

and i tell the system what colors i want

5529

03:08:05,429 --> 03:08:04,479

to mean what then that's how i get the

5530

03:08:07,110 --> 03:08:05,439

information

5531

03:08:08,790 --> 03:08:07,120

so it's just that there that's what i

5532

03:08:10,550 --> 03:08:08,800

said we have all this information out

5533

03:08:13,670 --> 03:08:10,560

there on the intuitive side

5534

03:08:15,750 --> 03:08:13,680

that is available to us and

5535

03:08:17,750 --> 03:08:15,760

the reason we have all that information

5536

03:08:19,349 --> 03:08:17,760

out there is i can explain is it's

5537

03:08:21,670 --> 03:08:19,359

necessary

5538

03:08:23,110 --> 03:08:21,680

to for the for the rendering engine to

5539

03:08:25,030 --> 03:08:23,120

render the virtual reality

5540

03:08:26,630 --> 03:08:25,040

it needs some databases to help it do

5541

03:08:29,750 --> 03:08:26,640

that on the fly

5542

03:08:30,710 --> 03:08:29,760

so these databases become that it needs

5543

03:08:34,710 --> 03:08:30,720

to render

5544

03:08:36,469 --> 03:08:34,720

become our source of information and

5545

03:08:38,230 --> 03:08:36,479

you can just get that so it's not that

5546

03:08:39,990 --> 03:08:38,240

there was anything in the picture at all

5547

03:08:42,230 --> 03:08:40,000

has nothing to do with that

5548

03:08:43,990 --> 03:08:42,240

it just has it my mind has an intention

5549

03:08:46,710 --> 03:08:44,000

the intention collects the data

5550

03:08:47,990 --> 03:08:46,720

i get the data and my output format is

5551

03:08:49,830 --> 03:08:48,000

around that person i see

5552

03:08:53,030 --> 03:08:49,840

some kind of colored thing there is no

5553

03:08:55,030 --> 03:08:53,040

aura there's only information

5554

03:08:56,389 --> 03:08:55,040

are you able to get information from the

5555

03:08:58,950 --> 03:08:56,399

mind space world

5556

03:08:59,990 --> 03:08:58,960

that is more rigorous so for example

5557

03:09:01,510 --> 03:09:00,000

something i was going to ask you about

5558

03:09:03,910 --> 03:09:01,520

quantum field theory was

5559

03:09:05,670 --> 03:09:03,920

how because it's a small tone

5560

03:09:07,510 --> 03:09:05,680

unification that i'm interested

5561

03:09:09,349 --> 03:09:07,520

the second quantization in quantum field

5562

03:09:10,550 --> 03:09:09,359

theory is not rigorously defined same

5563

03:09:12,309 --> 03:09:10,560

with the path integral

5564

03:09:13,750 --> 03:09:12,319

so i was wondering can you query the

5565

03:09:15,750 --> 03:09:13,760

database and find out

5566

03:09:17,030 --> 03:09:15,760

how to rigorously define them or does it

5567

03:09:20,150 --> 03:09:17,040

not work like that

5568

03:09:22,070 --> 03:09:20,160

it probably wouldn't work like that

5569

03:09:24,469 --> 03:09:22,080

it might if you really understood it

5570

03:09:26,870 --> 03:09:24,479

well enough to

5571

03:09:28,469 --> 03:09:26,880

to see the big picture what was going on

5572

03:09:30,150 --> 03:09:28,479

then it might work like that because

5573

03:09:32,229 --> 03:09:30,160

what you might learn is that neither one

5574

03:09:35,349 --> 03:09:32,239

of them's right the whole idea

5575

03:09:36,630 --> 03:09:35,359

the whole the whole structure is wrong

5576

03:09:37,670 --> 03:09:36,640

minded

5577

03:09:40,469 --> 03:09:37,680

right right right but just like

5578

03:09:40,870 --> 03:09:40,479

newtonian gravity is a lower case limit

5579

03:09:42,550 --> 03:09:40,880

of

5580

03:09:43,990 --> 03:09:42,560

general relativity there may be some

5581

03:09:45,349 --> 03:09:44,000

deeper theory that can produce it and

5582

03:09:46,389 --> 03:09:45,359

then from that you can get the rigorous

5583

03:09:48,150 --> 03:09:46,399

foundation

5584

03:09:49,510 --> 03:09:48,160

yeah so the whole thing that you're

5585

03:09:51,030 --> 03:09:49,520

asking about though what i'm saying

5586

03:09:52,710 --> 03:09:51,040

might just be wrong

5587

03:09:54,229 --> 03:09:52,720

so you're asking the wrong question it's

5588

03:09:57,190 --> 03:09:54,239

like

5589

03:09:58,870 --> 03:09:57,200

you know what kind of tutus do flying

5590

03:10:00,469 --> 03:09:58,880

elephants wear

5591

03:10:01,990 --> 03:10:00,479

you know and you try to get that from

5592

03:10:02,630 --> 03:10:02,000

the database well there are no flying

5593

03:10:04,630 --> 03:10:02,640

elephants

5594

03:10:06,950 --> 03:10:04,640

you're you're asking something that

5595

03:10:10,070 --> 03:10:06,960

doesn't really

5596

03:10:11,990 --> 03:10:10,080

exist okay so i would see that would

5597

03:10:13,429 --> 03:10:12,000

probably be what you get sometimes but

5598

03:10:15,830 --> 03:10:13,439

let's say that's not the case let's say

5599

03:10:18,790 --> 03:10:15,840

it does exist and it is fundamental

5600

03:10:20,790 --> 03:10:18,800

could you get information like that yes

5601
03:10:22,229 --> 03:10:20,800
you could get information like that you

5602
03:10:25,110 --> 03:10:22,239
could get

5603
03:10:26,870 --> 03:10:25,120
only as much though as that you can

5604
03:10:29,190 --> 03:10:26,880
understand

5605
03:10:30,389 --> 03:10:29,200
okay so you have to be real close to the

5606
03:10:32,469 --> 03:10:30,399
understanding

5607
03:10:33,429 --> 03:10:32,479
to make sense of the information you get

5608
03:10:34,950 --> 03:10:33,439
this sounds just like

5609
03:10:37,030 --> 03:10:34,960
you know in the matrix one of the lines

5610
03:10:38,469 --> 03:10:37,040
that was the best was we can't see past

5611
03:10:41,110 --> 03:10:38,479
the choices we don't understand

5612
03:10:42,150 --> 03:10:41,120
exactly that line that line like it

5613
03:10:46,389 --> 03:10:42,160

makes me

5614

03:10:49,429 --> 03:10:46,399

original matrix

5615

03:10:50,550 --> 03:10:49,439

i watched it like about a week ago maybe

5616

03:10:51,590 --> 03:10:50,560

i was prepping for this interview

5617

03:10:53,910 --> 03:10:51,600

unconsciously

5618

03:10:55,429 --> 03:10:53,920

i watched it and i cried like four times

5619

03:10:57,030 --> 03:10:55,439

during it and not when people died but

5620

03:10:59,030 --> 03:10:57,040

there's some lines that are so

5621

03:11:00,150 --> 03:10:59,040

profound yeah well look at it what

5622

03:11:02,630 --> 03:11:00,160

happens if you take a

5623

03:11:04,389 --> 03:11:02,640

you know a cell phone to some little

5624

03:11:06,150 --> 03:11:04,399

tribe in the amazon jungle that's never

5625

03:11:08,710 --> 03:11:06,160

seen any technology

5626
03:11:10,229 --> 03:11:08,720
and you say okay here's a cell phone and

5627
03:11:11,990 --> 03:11:10,239
here's the schematics

5628
03:11:13,830 --> 03:11:12,000
and here's the dial here's here's the

5629
03:11:15,670 --> 03:11:13,840
you know the write-up that explains

5630
03:11:17,990 --> 03:11:15,680
everything in that cell phone

5631
03:11:18,710 --> 03:11:18,000
well what are they going to do with it

5632
03:11:20,630 --> 03:11:18,720
nothing

5633
03:11:21,990 --> 03:11:20,640
maybe they burn the paper to start fires

5634
03:11:23,590 --> 03:11:22,000
you know what are they going to do

5635
03:11:25,830 --> 03:11:23,600
with it well that one might be a bad

5636
03:11:27,269 --> 03:11:25,840
example because they gave some ipads to

5637
03:11:28,469 --> 03:11:27,279
people who have never seen ipads before

5638
03:11:29,590 --> 03:11:28,479

didn't even give them instructions and

5639

03:11:31,269 --> 03:11:29,600

then they were turning it on and

5640

03:11:33,190 --> 03:11:31,279

installing apps within a week

5641

03:11:34,870 --> 03:11:33,200

yeah so that i understand what you're

5642

03:11:36,550 --> 03:11:34,880

saying but that's learning

5643

03:11:38,790 --> 03:11:36,560

yeah they can learn and that's just a

5644

03:11:40,950 --> 03:11:38,800

trial and error and see what happens

5645

03:11:42,710 --> 03:11:40,960

but something like a cell phones are

5646

03:11:45,590 --> 03:11:42,720

going to acquire you know uh uh

5647

03:11:46,070 --> 03:11:45,600

integrated integrated processing units

5648

03:11:48,070 --> 03:11:46,080

and

5649

03:11:50,229 --> 03:11:48,080

lots of other things you know which yeah

5650

03:11:52,070 --> 03:11:50,239

which like imagine

5651
03:11:53,590 --> 03:11:52,080
yeah it's not something you're gonna do

5652
03:11:54,309 --> 03:11:53,600
just by pushing buttons and seeing what

5653
03:11:57,429 --> 03:11:54,319
happens

5654
03:12:00,309 --> 03:11:57,439
you can't get there that way so unless

5655
03:12:01,190 --> 03:12:00,319
they understood how to make a cell phone

5656
03:12:02,550 --> 03:12:01,200
almost

5657
03:12:04,229 --> 03:12:02,560
and this would give them just the last

5658
03:12:06,550 --> 03:12:04,239
piece they need okay

5659
03:12:07,429 --> 03:12:06,560
then it would work but if you take if

5660
03:12:10,630 --> 03:12:07,439
you're ignorant

5661
03:12:12,229 --> 03:12:10,640
of the answer and you get the answer you

5662
03:12:15,030 --> 03:12:12,239
won't understand it

5663
03:12:16,790 --> 03:12:15,040

so it only works in the fact that you

5664

03:12:19,269 --> 03:12:16,800

are just that far away from it

5665

03:12:20,550 --> 03:12:19,279

you've kind of got the general idea and

5666

03:12:22,950 --> 03:12:20,560

you just need some

5667

03:12:23,590 --> 03:12:22,960

inspiration to so it can put you one

5668

03:12:25,110 --> 03:12:23,600

step ahead

5669

03:12:26,870 --> 03:12:25,120

it can put you one or two steps in yeah

5670

03:12:27,830 --> 03:12:26,880

but it's not that's it it's not going to

5671

03:12:28,950 --> 03:12:27,840

give you the whole thing because

5672

03:12:30,229 --> 03:12:28,960

and even if it did you wouldn't have the

5673

03:12:31,429 --> 03:12:30,239

context to make sense of it no you

5674

03:12:32,790 --> 03:12:31,439

wouldn't make any sense of it so you

5675

03:12:34,710 --> 03:12:32,800

know maybe we are being thrown

5676

03:12:35,990 --> 03:12:34,720

and we just aren't understanding the

5677

03:12:39,190 --> 03:12:36,000

science we've got we got

5678

03:12:40,790 --> 03:12:39,200

lots of i mean look at this you know the

5679

03:12:42,630 --> 03:12:40,800

the insights that suddenly come to

5680

03:12:43,670 --> 03:12:42,640

people you know einstein writing on his

5681

03:12:46,150 --> 03:12:43,680

beam of light

5682

03:12:46,950 --> 03:12:46,160

or whatever and you'll see that a lot of

5683

03:12:49,349 --> 03:12:46,960

people

5684

03:12:51,030 --> 03:12:49,359

both artists and scientists get their

5685

03:12:53,830 --> 03:12:51,040

inspiration

5686

03:12:55,510 --> 03:12:53,840

from the non-physical intuitively oh

5687

03:12:58,070 --> 03:12:55,520

that's the solution you know it just

5688

03:12:58,950 --> 03:12:58,080

comes to them not when they're trying to

5689

03:13:01,110 --> 03:12:58,960

get it but

5690

03:13:02,710 --> 03:13:01,120

when they forget about it and relax and

5691

03:13:05,429 --> 03:13:02,720

think of something else and then

5692

03:13:06,389 --> 03:13:05,439

bang they get it from intuitive space

5693

03:13:08,950 --> 03:13:06,399

but it's only

5694

03:13:09,750 --> 03:13:08,960

got to be a half step beyond where they

5695

03:13:11,190 --> 03:13:09,760

where they are

5696

03:13:12,870 --> 03:13:11,200

otherwise they'll get it and it won't

5697

03:13:15,110 --> 03:13:12,880

make any sense and that didn't mean

5698

03:13:16,870 --> 03:13:15,120

anything you know so

5699

03:13:18,870 --> 03:13:16,880

there's a line from the new testament

5700

03:13:22,150 --> 03:13:18,880

which also you can ponder for

5701
03:13:22,950 --> 03:13:22,160
like ages makes me weepy it says jesus

5702
03:13:24,790 --> 03:13:22,960
said

5703
03:13:26,229 --> 03:13:24,800
the kingdom of god lies before you but

5704
03:13:28,950 --> 03:13:26,239
men do not see it

5705
03:13:29,670 --> 03:13:28,960
yeah sure geez man that's that's that's

5706
03:13:32,150 --> 03:13:29,680
powerful

5707
03:13:33,110 --> 03:13:32,160
yeah that is the way it is i mean it's

5708
03:13:34,950 --> 03:13:33,120
all simple

5709
03:13:36,389 --> 03:13:34,960
it's this virtu once you get the idea of

5710
03:13:37,590 --> 03:13:36,399
virtual reality and everything's

5711
03:13:39,830 --> 03:13:37,600
information

5712
03:13:41,190 --> 03:13:39,840
it just reduces almost all the

5713
03:13:43,110 --> 03:13:41,200

complexity

5714

03:13:45,030 --> 03:13:43,120

not only in science but just in everyday

5715

03:13:48,950 --> 03:13:45,040

life reduces

5716

03:13:50,630 --> 03:13:48,960

to really really a few simple ideas

5717

03:13:52,309 --> 03:13:50,640

that are very powerful and everything

5718

03:13:53,030 --> 03:13:52,319

makes sense it is all right in front of

5719

03:13:56,710 --> 03:13:53,040

you

5720

03:13:58,150 --> 03:13:56,720

thinking

5721

03:14:00,070 --> 03:13:58,160

right you know your perspective isn't

5722

03:14:02,309 --> 03:14:00,080

right

5723

03:14:04,070 --> 03:14:02,319

thank you so much man you've pushed me

5724

03:14:05,349 --> 03:14:04,080

you pushed my car which is

5725

03:14:07,269 --> 03:14:05,359

the engine hasn't been working you

5726

03:14:08,630 --> 03:14:07,279

pushed it on the on-ramp i got it now

5727

03:14:10,870 --> 03:14:08,640

start it and i gotta

5728

03:14:13,030 --> 03:14:10,880

start driving i might go backward and

5729

03:14:14,389 --> 03:14:13,040

i'm hopefully i can go forward

5730

03:14:16,229 --> 03:14:14,399

well when you get reading the book and

5731

03:14:16,790 --> 03:14:16,239

you have issues with it think about the

5732

03:14:18,469 --> 03:14:16,800

thing

5733

03:14:20,630 --> 03:14:18,479

think about the idea that it's a virtual

5734

03:14:22,229 --> 03:14:20,640

reality that we're in a game we are

5735

03:14:25,190 --> 03:14:22,239

really consciousness

5736

03:14:25,750 --> 03:14:25,200

and and we're just playing this avatar

5737

03:14:27,269 --> 03:14:25,760

and

5738

03:14:29,510 --> 03:14:27,279

that will sometimes give you the

5739

03:14:31,110 --> 03:14:29,520

perspective that's necessary to see

5740

03:14:32,870 --> 03:14:31,120

the bigger picture because as soon as

5741

03:14:35,750 --> 03:14:32,880

you start with the physical

5742

03:14:36,710 --> 03:14:35,760

and it has to you know fall into a

5743

03:14:39,269 --> 03:14:36,720

materialistic

5744

03:14:40,630 --> 03:14:39,279

uh you know belief system then nothing

5745

03:14:42,550 --> 03:14:40,640

will work it'll all fall apart

5746

03:14:44,630 --> 03:14:42,560

we can do this again once you've had

5747

03:14:46,469 --> 03:14:44,640

plenty of time to digest that and

5748

03:14:48,070 --> 03:14:46,479

maybe finish the books and maybe even

5749

03:14:48,710 --> 03:14:48,080

for the second time you know and your

5750

03:14:51,990 --> 03:14:48,720

questions

5751
03:14:53,429 --> 03:14:52,000
and smaller they're going to get bigger

5752
03:14:54,389 --> 03:14:53,439
and bigger for a while and then as you

5753
03:14:55,830 --> 03:14:54,399
understand it they're going to get

5754
03:14:58,389 --> 03:14:55,840
smaller and smaller

5755
03:14:59,030 --> 03:14:58,399
so um and if the people who are

5756
03:15:00,790 --> 03:14:59,040
listening

5757
03:15:02,150 --> 03:15:00,800
you have any questions please leave them

5758
03:15:03,590 --> 03:15:02,160
in the comments below if you want us if

5759
03:15:06,229 --> 03:15:03,600
you desperately wanted me to talk to