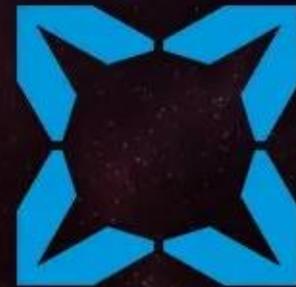


THE NATURE OF DEEP REALITY

JOHN STREIFF



**SOCIETY
FOR
SCIENTIFIC
EXPLORATION**

1
00:00:10,080 --> 00:00:07,349
well welcome back from lunch I've

2
00:00:10,740 --> 00:00:10,090
lectured from army 3040 years maybe

3
00:00:14,609 --> 00:00:10,750
longer

4
00:00:16,880 --> 00:00:14,619
and that you know the slots I hate right

5
00:00:19,019 --> 00:00:16,890
before lunch because they want to go and

6
00:00:20,999 --> 00:00:19,029
right after cuz they want to go to sleep

7
00:00:23,040 --> 00:00:21,009
so I will be raising my voice

8
00:00:25,859 --> 00:00:23,050
occasionally just to wake the ones up if

9
00:00:27,870 --> 00:00:25,869
I see some of this stuff going on this

10
00:00:31,380 --> 00:00:27,880
has been a talk in progress for some

11
00:00:33,600 --> 00:00:31,390
time and I've been revising it I

12
00:00:35,880 --> 00:00:33,610
literally revised it an hour or two ago

13
00:00:38,040 --> 00:00:35,890

based on something that happened in a

14

00:00:39,389 --> 00:00:38,050

prior talk every time somebody said

15

00:00:40,830 --> 00:00:39,399

something that motivated me I made a

16

00:00:43,170 --> 00:00:40,840

slight change most of us just what I'm

17

00:00:43,770 --> 00:00:43,180

saying the slides I think we're gonna be

18

00:00:45,689 --> 00:00:43,780

in sync

19

00:00:50,400 --> 00:00:45,699

I believe we're okay in that regard so

20

00:00:52,740 --> 00:00:50,410

hopefully that will work out well yes I

21

00:00:54,240 --> 00:00:52,750

it was said this is about a fifty year

22

00:00:56,160 --> 00:00:54,250

journey we're gonna be describing here

23

00:00:59,669 --> 00:00:56,170

ain't going to do that in 20 minutes

24

00:01:01,680 --> 00:00:59,679

what I'll do is I'll try to outline kind

25

00:01:04,259 --> 00:01:01,690

of a framework an expert an exponent or

26
00:01:06,060 --> 00:01:04,269
a framework and my goal of course is to

27
00:01:07,770 --> 00:01:06,070
do something is almost impossible in

28
00:01:09,120 --> 00:01:07,780
fact most speakers in this conference

29
00:01:11,039 --> 00:01:09,130
and many other speakers and others I've

30
00:01:13,200 --> 00:01:11,049
gone to over the decades basically say

31
00:01:15,569 --> 00:01:13,210
well this is what we did no clue where

32
00:01:17,249 --> 00:01:15,579
it is but that's what it is and my job

33
00:01:18,810 --> 00:01:17,259
was to try to figure out how give you

34
00:01:21,300 --> 00:01:18,820
some information that might help you

35
00:01:23,039 --> 00:01:21,310
understand how this might work so we're

36
00:01:24,450 --> 00:01:23,049
going to be drawing from physics we're

37
00:01:26,429 --> 00:01:24,460
gonna be drawing from some rather

38
00:01:28,050 --> 00:01:26,439

lateral thinking and that whatever

39

00:01:30,899 --> 00:01:28,060

you're gonna be hearing is actually a

40

00:01:39,600 --> 00:01:30,909

work product that relates believe it or

41

00:01:41,639 --> 00:01:39,610

not to conciliate now as I said I went

42

00:01:43,800 --> 00:01:41,649

to the mirror woods like I said and this

43

00:01:46,999 --> 00:01:43,810

these ideas that nature is inherently

44

00:01:49,800 --> 00:01:47,009

simple and elegant that we actually

45

00:01:51,840 --> 00:01:49,810

distort nature like we complexify it in

46

00:01:53,550 --> 00:01:51,850

our ignorance which is kind of a weird

47

00:01:55,200 --> 00:01:53,560

thing to think what we do ignorant it

48

00:01:57,090 --> 00:01:55,210

turns out by the way is a big reason we

49

00:01:58,380 --> 00:01:57,100

don't get it right we're going to see a

50

00:01:59,910 --> 00:01:58,390

number of examples of this we don't

51
00:02:02,370 --> 00:01:59,920
realize how big regards of species

52
00:02:05,670 --> 00:02:02,380
although nature tells us if we simply

53
00:02:07,590 --> 00:02:05,680
pay attention to nature and so whatever

54
00:02:10,770 --> 00:02:07,600
I'd like to do here then is to begin

55
00:02:14,090 --> 00:02:10,780
with this this model of reality kind of

56
00:02:16,320 --> 00:02:14,100
progress through it in pieces if I may

57
00:02:19,770 --> 00:02:16,330
one of the things that I've always

58
00:02:22,470 --> 00:02:19,780
wondered where do ideas come from we say

59
00:02:23,820 --> 00:02:22,480
I thought that philosopher says if I

60
00:02:26,880 --> 00:02:23,830
think this then it makes a long

61
00:02:28,710 --> 00:02:26,890
convoluted argument I was like to nail

62
00:02:31,920 --> 00:02:28,720
him with but where's the thought come

63
00:02:33,660 --> 00:02:31,930

from really what is it covered now the

64

00:02:35,850 --> 00:02:33,670

interesting and the easy answer of

65

00:02:38,390 --> 00:02:35,860

course is consciousness the soundbite

66

00:02:42,590 --> 00:02:38,400

answer which explains of course nothing

67

00:02:47,960 --> 00:02:45,990

so as of the 20th century though our

68

00:02:50,430 --> 00:02:47,970

physics has kind of changed the

69

00:02:52,199 --> 00:02:50,440

classical physics of Newton which led to

70

00:02:54,660 --> 00:02:52,209

Einstein's relativity theories of course

71

00:02:57,420 --> 00:02:54,670

comes along but we're well and good and

72

00:03:00,030 --> 00:02:57,430

then quantum theory gets the quantum

73

00:03:02,699 --> 00:03:00,040

theory is different it's like it's

74

00:03:04,050 --> 00:03:02,709

describing a different world maybe it is

75

00:03:07,100 --> 00:03:04,060

sitting in a different world we talked

76

00:03:10,230 --> 00:03:07,110

about the quantum realm did we not we

77

00:03:12,570 --> 00:03:10,240

see these these changes the it's like

78

00:03:14,070 --> 00:03:12,580

the quantum world is more fundamental in

79

00:03:17,100 --> 00:03:14,080

the classical world as produced may

80

00:03:19,320 --> 00:03:17,110

produce the classical world in fact this

81

00:03:21,449 --> 00:03:19,330

seems to be reasonable so if the

82

00:03:23,550 --> 00:03:21,459

classical universe may emerge from this

83

00:03:24,990 --> 00:03:23,560

reality maybe we should be paying

84

00:03:27,960 --> 00:03:25,000

attention to that maybe we're talking

85

00:03:29,699 --> 00:03:27,970

about a large physical reality in which

86

00:03:31,290 --> 00:03:29,709

there are subsets of physical reality oh

87

00:03:34,590 --> 00:03:31,300

there was our physical laws that we know

88

00:03:37,290 --> 00:03:34,600

and trust that in the universe that

89

00:03:39,030 --> 00:03:37,300

materializes and beyond that universe

90

00:03:43,560 --> 00:03:39,040

perhaps beyond an interface of some time

91

00:03:46,830 --> 00:03:43,570

is a non material reality with its own

92

00:03:48,420 --> 00:03:46,840

set of physical laws and there's no

93

00:03:50,430 --> 00:03:48,430

reason to believe those laws are that

94

00:03:52,890 --> 00:03:50,440

related one to the other that's the

95

00:03:56,430 --> 00:03:52,900

first key to everything that is the

96

00:03:58,830 --> 00:03:56,440

first key so perhaps we can say the

97

00:04:01,170 --> 00:03:58,840

universe is indeed produced by this

98

00:04:02,850 --> 00:04:01,180

quantum reality or if you like that's

99

00:04:10,050 --> 00:04:02,860

the tip of the iceberg let's call it a

100

00:04:12,509 --> 00:04:10,060

deep reality a deep reality now it was

101
00:04:13,890 --> 00:04:12,519
interesting to note that Niels Bohr was

102
00:04:15,390 --> 00:04:13,900
one of the people who kind of copped on

103
00:04:18,539 --> 00:04:15,400
to this whole thing way back in the

104
00:04:21,479 --> 00:04:18,549
early 20th century when he said about

105
00:04:23,320 --> 00:04:21,489
1930 at the quantum realm as he knew it

106
00:04:25,800 --> 00:04:23,330
is invisible

107
00:04:28,839 --> 00:04:25,810
accessible on analyzable and

108
00:04:31,119 --> 00:04:28,849
incomprehensible he literally says I

109
00:04:33,429 --> 00:04:31,129
don't know I don't care the stuff works

110
00:04:36,600 --> 00:04:33,439
we're done I'm going hold on going out

111
00:04:39,369 --> 00:04:36,610
to lunch that's exactly what he said and

112
00:04:42,070 --> 00:04:39,379
I would argue that deep reality has the

113
00:04:46,390 --> 00:04:42,080

same features deep reality has exactly

114

00:04:49,179 --> 00:04:46,400

the same features we are limited by

115

00:04:51,640 --> 00:04:49,189

Lightspeed by quantum uncertainty by our

116

00:04:54,129 --> 00:04:51,650

own biases nature seems to be doing

117

00:04:58,059 --> 00:04:54,139

something pretty definitive and the

118

00:05:01,209 --> 00:04:58,069

upshot of the whole thing is that we

119

00:05:03,279 --> 00:05:01,219

don't know what we don't know which

120

00:05:06,189 --> 00:05:03,289

means by corollary that nothing or

121

00:05:07,300 --> 00:05:06,199

anything is possible or impossible if

122

00:05:09,550 --> 00:05:07,310

you actually think something impossible

123

00:05:11,189 --> 00:05:09,560

it's probably more of a statement about

124

00:05:14,670 --> 00:05:11,199

our ignorance there is that word again

125

00:05:19,570 --> 00:05:14,680

than our knowledge skeptics take note

126

00:05:20,860 --> 00:05:19,580

your honor you've been notified so I'm

127

00:05:22,209 --> 00:05:20,870

going to claim here that we live in what

128

00:05:24,339 --> 00:05:22,219

I'm going to call a produced universe

129

00:05:27,219 --> 00:05:24,349

this is a not to scale graphic

130

00:05:30,100 --> 00:05:27,229

representation and you can see we have

131

00:05:32,439 --> 00:05:30,110

this deep reality the little blue dot is

132

00:05:35,379 --> 00:05:32,449

the one and only the universe we really

133

00:05:37,089 --> 00:05:35,389

need this is a very limited model no

134

00:05:39,790 --> 00:05:37,099

extra universes we don't need and can't

135

00:05:41,890 --> 00:05:39,800

justify I'm emerging from that deep

136

00:05:44,230 --> 00:05:41,900

reality from a reality blueprint our

137

00:05:46,990 --> 00:05:44,240

events we could might call material and

138

00:05:48,579 --> 00:05:47,000

mental now I think these are actually

139

00:05:50,680 --> 00:05:48,589

one thing that have different behaviors

140

00:05:53,050 --> 00:05:50,690

in actual fact but let's not go there we

141

00:05:54,610 --> 00:05:53,060

don't have that how much time the key

142

00:05:56,409 --> 00:05:54,620

part of this is the reality blueprint

143

00:05:59,079 --> 00:05:56,419

I'm going to argue this reality

144

00:06:00,339 --> 00:05:59,089

blueprint contains the information and

145

00:06:01,390 --> 00:06:00,349

I'll come back to what I mean by that in

146

00:06:04,290 --> 00:06:01,400

a minute because the definition is

147

00:06:07,480 --> 00:06:04,300

important of states of matter and mind

148

00:06:09,820 --> 00:06:07,490

that's loosely translated those states

149

00:06:11,619 --> 00:06:09,830

are patterns and they are projected or

150

00:06:13,749 --> 00:06:11,629

they are realized in the produced

151
00:06:15,219 --> 00:06:13,759
universe as what we call matter events

152
00:06:17,279 --> 00:06:15,229
mind events and things the things that

153
00:06:19,659 --> 00:06:17,289
are happening right now

154
00:06:21,040 --> 00:06:19,669
these are transformed in a deep level of

155
00:06:22,540 --> 00:06:21,050
reality what distinguishes them by the

156
00:06:26,379 --> 00:06:22,550
way are the nature of these transforms

157
00:06:28,589 --> 00:06:26,389
and that in turn is why things change

158
00:06:30,879 --> 00:06:28,599
because that deep reality is changing

159
00:06:33,760 --> 00:06:30,889
mikeam seemed to keep seeking even in

160
00:06:35,649 --> 00:06:33,770
our discussions this morning for

161
00:06:36,390 --> 00:06:35,659
something else beyond what's going on in

162
00:06:38,430 --> 00:06:36,400
our unit

163
00:06:42,060 --> 00:06:38,440

this is my proposal of what that

164

00:06:43,140 --> 00:06:42,070

something is and the spewpa is

165

00:06:45,629 --> 00:06:43,150

interesting we'll talk a little bit more

166

00:06:47,520 --> 00:06:45,639

about it but that's the basic idea these

167

00:06:49,770 --> 00:06:47,530

patterns which aren't actually

168

00:06:51,719 --> 00:06:49,780

information so we talk about information

169

00:06:53,640 --> 00:06:51,729

this is what I conceptualize is

170

00:06:57,659 --> 00:06:53,650

producing that universe what is

171

00:07:00,900 --> 00:06:57,669

information ironically is actually

172

00:07:03,240 --> 00:07:00,910

identified by an no longer active entry

173

00:07:05,400 --> 00:07:03,250

in the Oxford English Dictionary it's

174

00:07:07,080 --> 00:07:05,410

archaic the right definitions archaic

175

00:07:09,540 --> 00:07:07,090

and the infant and the definition is

176
00:07:11,580 --> 00:07:09,550
from the root of the Latin word inform

177
00:07:13,290 --> 00:07:11,590
RA to put form into something according

178
00:07:14,820 --> 00:07:13,300
to Oxford we don't use that no more

179
00:07:17,879 --> 00:07:14,830
which is ironic because that's the right

180
00:07:20,250 --> 00:07:17,889
one to put form into something so this

181
00:07:21,960 --> 00:07:20,260
is an information process not in the

182
00:07:23,969 --> 00:07:21,970
sense of knowledge in the sense of

183
00:07:26,340 --> 00:07:23,979
creation and by the way several

184
00:07:28,800 --> 00:07:26,350
scientific philosophers are on board

185
00:07:30,770 --> 00:07:28,810
with that idea now this idea of a

186
00:07:32,640 --> 00:07:30,780
producer reality is kind of interesting

187
00:07:35,189 --> 00:07:32,650
one of the things that implica

188
00:07:36,510 --> 00:07:35,199

implicates is the concept of causality

189

00:07:38,310 --> 00:07:36,520

to a lot of discussion about causality

190

00:07:40,260 --> 00:07:38,320

you may have noticed yesterday today and

191

00:07:42,060 --> 00:07:40,270

we all kind of make an assumption about

192

00:07:45,180 --> 00:07:42,070

causality and this is what are the

193

00:07:46,469 --> 00:07:45,190

implications of deep reality I think no

194

00:07:48,060 --> 00:07:46,479

one in this room would disagree that

195

00:07:50,909 --> 00:07:48,070

this is a valid demonstration of

196

00:07:53,190 --> 00:07:50,919

causality cause-effect ignore this and

197

00:07:56,690 --> 00:07:53,200

please for your own the cheap seats

198

00:08:00,060 --> 00:07:56,700

cause effect and over their cause effect

199

00:08:04,279 --> 00:08:00,070

nobody disagrees right but in the deep

200

00:08:08,790 --> 00:08:04,289

reality view we have this model cause

201
00:08:11,430 --> 00:08:08,800
effect correlation not causation why

202
00:08:14,190 --> 00:08:11,440
because all causation is in the deep

203
00:08:17,550 --> 00:08:14,200
reality not in the universe the universe

204
00:08:19,080 --> 00:08:17,560
is not causally closed or put more

205
00:08:21,210 --> 00:08:19,090
bluntly for the philosophers in the room

206
00:08:24,029 --> 00:08:21,220
physicalism is wrong in this regard

207
00:08:26,730 --> 00:08:24,039
there is no causal closure as we

208
00:08:28,170 --> 00:08:26,740
normally stated in philosophy and I just

209
00:08:30,300 --> 00:08:28,180
saw Paul Smith smile and I know I got up

210
00:08:31,890 --> 00:08:30,310
a question coming because I know this

211
00:08:35,550 --> 00:08:31,900
guy did that this is this one once

212
00:08:37,110 --> 00:08:35,560
before oh good okay so anyway so what

213
00:08:38,699 --> 00:08:37,120

happens if I take away the cause which

214

00:08:45,150 --> 00:08:38,709

is actually in deep reality hiding what

215

00:08:47,860 --> 00:08:45,160

do I get again ignore the hand what have

216

00:08:51,430 --> 00:08:47,870

I just explained anybody

217

00:08:56,760 --> 00:08:51,440

Dean you wanna try it you hear I've

218

00:08:58,660 --> 00:08:56,770

explained MMI pk poltergeists healing

219

00:08:59,950 --> 00:08:58,670

bill was supposed to be right there I

220

00:09:03,520 --> 00:08:59,960

had a great line for Bill but we'll have

221

00:09:05,620 --> 00:09:03,530

to let it go the point is the point is

222

00:09:07,690 --> 00:09:05,630

this explains it it's simple its elegant

223

00:09:10,480 --> 00:09:07,700

all we had to do was move causation to

224

00:09:12,580 --> 00:09:10,490

deep reality that's the kind of stuff

225

00:09:14,980 --> 00:09:12,590

we're dealing with this is not rocket

226

00:09:17,260 --> 00:09:14,990

science folks it doesn't have to be

227

00:09:19,150 --> 00:09:17,270

other implications or common assumptions

228

00:09:20,770 --> 00:09:19,160

we may we want to revisit that

229

00:09:21,790 --> 00:09:20,780

consciousness creates reality we've

230

00:09:22,570 --> 00:09:21,800

already hit a little bit about that

231

00:09:24,310 --> 00:09:22,580

earlier on

232

00:09:25,990 --> 00:09:24,320

thanks to Garrett for his wonderful

233

00:09:27,790 --> 00:09:26,000

explanation he cut about five minutes

234

00:09:30,060 --> 00:09:27,800

something my talk thank you so much and

235

00:09:32,940 --> 00:09:30,070

char most hard problem of consciousness

236

00:09:35,560 --> 00:09:32,950

I'll talk about that too as advertised

237

00:09:36,940 --> 00:09:35,570

before I proceed however I would like to

238

00:09:38,380 --> 00:09:36,950

say one more thing about something that

239

00:09:42,100 --> 00:09:38,390

happened this morning just not Roger

240

00:09:44,890 --> 00:09:42,110

Nelson as I said it revised this thing

241

00:09:47,170 --> 00:09:44,900

just before we started and as I said

242

00:09:50,050 --> 00:09:47,180

earlier I had those feelings in the

243

00:09:51,490 --> 00:09:50,060

mirror once and I had a lot of slides I

244

00:09:53,560 --> 00:09:51,500

had to pitch out and one of my quotes

245

00:09:55,330 --> 00:09:53,570

because it happened in the Muir Woods

246

00:09:58,030 --> 00:09:55,340

was from John Muir I could to were from

247

00:10:01,300 --> 00:09:58,040

John Muir and one of those quotes Roger

248

00:10:04,540 --> 00:10:01,310

was the same one you used about hitching

249

00:10:06,550 --> 00:10:04,550

reality if you don't believe in

250

00:10:08,460 --> 00:10:06,560

synchronicity is a retrocausality okay

251

00:10:10,660 --> 00:10:08,470

but kind of pay attention here folks

252

00:10:11,860 --> 00:10:10,670

this happens to me all the time so it's

253

00:10:15,180 --> 00:10:11,870

not spinning but I thought I'd share it

254

00:10:19,630 --> 00:10:15,190

with you doesn't kind of interesting

255

00:10:20,920 --> 00:10:19,640

okay so if an accepting says well that's

256

00:10:23,020 --> 00:10:20,930

all well and good I mean you got a cute

257

00:10:29,350 --> 00:10:23,030

little idea there I show me some

258

00:10:31,870 --> 00:10:29,360

evidence okay no problemo how do we

259

00:10:34,090 --> 00:10:31,880

violate causal closure we find

260

00:10:36,010 --> 00:10:34,100

uncontroversial a causal anomaly in the

261

00:10:37,630 --> 00:10:36,020

known material universe and thanks to

262

00:10:39,670 --> 00:10:37,640

Professor Rupert Sheldrake in defense of

263

00:10:40,210 --> 00:10:39,680

his marker morphic resonance theory we

264

00:10:42,580 --> 00:10:40,220

got it

265

00:10:44,710 --> 00:10:42,590

the Quantum Jumping electron atomic

266

00:10:46,240 --> 00:10:44,720

physics which suggests that deep reality

267

00:10:48,520 --> 00:10:46,250

may know something about materialization

268

00:10:50,020 --> 00:10:48,530

and dematerialization the spontaneously

269

00:10:52,690 --> 00:10:50,030

crystallizing an organic compound known

270

00:10:54,250 --> 00:10:52,700

for centuries and chemistry spontaneous

271

00:10:55,780 --> 00:10:54,260

human thoughts subjective consciousness

272

00:10:57,460 --> 00:10:55,790

that's a kind of anomaly it's and it's

273

00:10:59,320 --> 00:10:57,470

uncontroversial because there's no doubt

274

00:11:00,759 --> 00:10:59,330

it happens a bit more controversially

275

00:11:02,769 --> 00:11:00,769

everything we talked about

276

00:11:08,559 --> 00:11:02,779

the science but it's the same basic

277

00:11:10,929 --> 00:11:08,569

thing now we didn't talk about one other

278

00:11:12,579 --> 00:11:10,939

interpretation of quantum physics this

279

00:11:14,759 --> 00:11:12,589

morning it happens to my favorite

280

00:11:17,229 --> 00:11:14,769

because it's a very good example of

281

00:11:19,449 --> 00:11:17,239

production about a production theory the

282

00:11:20,979 --> 00:11:19,459

hypothesis we're talking about this is a

283

00:11:23,679 --> 00:11:20,989

visual representation of what's called

284

00:11:25,929 --> 00:11:23,689

the bohmian interpretation by david bohm

285

00:11:27,609 --> 00:11:25,939

published in 1952 inspired by Albert

286

00:11:29,590 --> 00:11:27,619

Einstein who hated the coppa noggin for

287

00:11:31,689 --> 00:11:29,600

various reasons and what it basically

288

00:11:33,249 --> 00:11:31,699

says is active global information that's

289

00:11:35,319 --> 00:11:33,259

like the reality blueprint we talked

290

00:11:37,660 --> 00:11:35,329

about earlier it's producers for the

291

00:11:39,669 --> 00:11:37,670

content of the material universe and its

292

00:11:41,949 --> 00:11:39,679

hiding in something called the implicit

293

00:11:43,989 --> 00:11:41,959

order in Bohm's terminology that's my

294

00:11:44,979 --> 00:11:43,999

deep reality so it's a very slow

295

00:11:46,389 --> 00:11:44,989

snapping there's some technical

296

00:11:48,789 --> 00:11:46,399

differences I won't get into for lack of

297

00:11:49,869 --> 00:11:48,799

time but it's very close to the kind of

298

00:11:52,989 --> 00:11:49,879

thing and there's several as we said

299

00:11:54,160 --> 00:11:52,999

earlier several theories that are very

300

00:11:56,139 --> 00:11:54,170

similar to kind of follow this

301
00:11:58,329 --> 00:11:56,149
production hypothesis so there's quite a

302
00:12:00,189 --> 00:11:58,339
bit of work in theoretical physics that

303
00:12:03,970 --> 00:12:00,199
follows along these ideas this is not

304
00:12:05,410 --> 00:12:03,980
just my silly idea a by contrast the

305
00:12:06,549 --> 00:12:05,420
Copenhagen interpretation which has kind

306
00:12:09,699 --> 00:12:06,559
of been beat to death already so I can

307
00:12:11,499 --> 00:12:09,709
slip right over this mostly actually

308
00:12:13,239 --> 00:12:11,509
predicts a collapse collapse is unique

309
00:12:14,439 --> 00:12:13,249
to Copenhagen I believe I don't know of

310
00:12:16,869 --> 00:12:14,449
any other interpretation that actually

311
00:12:18,280 --> 00:12:16,879
talks about a collapse in this way but

312
00:12:20,470 --> 00:12:18,290
the dirty little secret that wasn't

313
00:12:22,119 --> 00:12:20,480

mentioned today earlier I want to share

314

00:12:24,669 --> 00:12:22,129

with you because a lot of people don't

315

00:12:26,710 --> 00:12:24,679

know this there is no mathematical

316

00:12:28,960 --> 00:12:26,720

support whatsoever in the Copenhagen

317

00:12:32,650 --> 00:12:28,970

interpretation for the prediction of the

318

00:12:35,710 --> 00:12:32,660

collapse none in fact that's what bone

319

00:12:37,600 --> 00:12:35,720

found when he did his theory and what he

320

00:12:39,030 --> 00:12:37,610

found out about that missing variable

321

00:12:41,049 --> 00:12:39,040

the co so-called quantum potential

322

00:12:42,999 --> 00:12:41,059

informed him for the first time I think

323

00:12:45,189 --> 00:12:43,009

in the history of science as to how the

324

00:12:46,929 --> 00:12:45,199

collapse works and guess what folks

325

00:12:49,989 --> 00:12:46,939

business in the room loosen up it is an

326

00:12:52,780 --> 00:12:49,999

energy momentum transfer event energy

327

00:12:55,030 --> 00:12:52,790

momentum transfer event that to me is

328

00:12:57,009 --> 00:12:55,040

really interesting it has implications I

329

00:12:58,539 --> 00:12:57,019

won't get into here but the fact that I

330

00:12:59,590 --> 00:12:58,549

eat a lot of physicists who seem to have

331

00:13:01,509 --> 00:12:59,600

limited knowledge of the Bamiyan

332

00:13:03,009 --> 00:13:01,519

interpretation tells me maybe that

333

00:13:04,720 --> 00:13:03,019

limited knowledge is one of the reasons

334

00:13:06,460 --> 00:13:04,730

that some of the ideas coming from

335

00:13:09,999 --> 00:13:06,470

Copenhagen have snuck into our

336

00:13:12,010 --> 00:13:10,009

vernacular so quickly I don't buy it for

337

00:13:14,710 --> 00:13:12,020

a minute

338

00:13:16,449 --> 00:13:14,720

so the idea then from binoy Minh and

339

00:13:18,610 --> 00:13:16,459

others this idea came along something

340

00:13:21,070 --> 00:13:18,620

non-material must cause the collapse if

341

00:13:23,949 --> 00:13:21,080

you read von Neumann you will see he

342

00:13:25,360 --> 00:13:23,959

talks about non material effect those

343

00:13:26,800 --> 00:13:25,370

are the words he writes in his papers

344

00:13:29,050 --> 00:13:26,810

and books he doesn't talk about

345

00:13:31,269 --> 00:13:29,060

consciousness I don't really know who

346

00:13:32,530 --> 00:13:31,279

got it first we like to say Wigner I may

347

00:13:34,690 --> 00:13:32,540

have been to rock who know Heisenberg

348

00:13:36,190 --> 00:13:34,700

who knows somebody said though non

349

00:13:38,860 --> 00:13:36,200

material equal consciousness and from

350

00:13:41,740 --> 00:13:38,870

that came the whole thing it was a bad

351

00:13:44,650 --> 00:13:41,750

guess a very bad guess because it

352

00:13:47,829 --> 00:13:44,660

violates the basic law of physics based

353

00:13:49,690 --> 00:13:47,839

on philosophy sorry of logic you explain

354

00:13:51,370 --> 00:13:49,700

one unknown with another the unknown of

355

00:13:54,250 --> 00:13:51,380

the collapse is explained with the

356

00:13:56,650 --> 00:13:54,260

unknown of first observers or

357

00:13:59,350 --> 00:13:56,660

consciousness so when you hear somebody

358

00:14:01,480 --> 00:13:59,360

say and you hear a lot you may hear it

359

00:14:02,740 --> 00:14:01,490

more consciousness collapses the

360

00:14:05,110 --> 00:14:02,750

wavefunction observers collapse the

361

00:14:06,310 --> 00:14:05,120

wavefunction blah blah blah they are

362

00:14:08,260 --> 00:14:06,320

really saying something that is not

363

00:14:10,360 --> 00:14:08,270

supported mathematically not having an

364

00:14:13,300 --> 00:14:10,370

empirical proof per se something that's

365

00:14:14,949 --> 00:14:13,310

a bad guess at least in my opinion so

366

00:14:17,380 --> 00:14:14,959

that's the other reason to dislike the

367

00:14:19,630 --> 00:14:17,390

Copenhagen and the fact of the matter is

368

00:14:22,110 --> 00:14:19,640

important to note all quantum

369

00:14:24,340 --> 00:14:22,120

experiments to date that I know of and

370

00:14:26,620 --> 00:14:24,350

experts tell me this is right all

371

00:14:28,269 --> 00:14:26,630

competeing all experiments including the

372

00:14:29,740 --> 00:14:28,279

ones that supposedly show that observers

373

00:14:32,350 --> 00:14:29,750

collapse the wave function and create

374

00:14:33,760 --> 00:14:32,360

reality are explainable both at least on

375

00:14:36,340 --> 00:14:33,770

the Copenhagen and bubbling and equally

376

00:14:37,269 --> 00:14:36,350

you cannot use the two to differentiate

377

00:14:39,220 --> 00:14:37,279

between the two through the method of

378

00:14:40,860 --> 00:14:39,230

doing I don't know about it and maybe

379

00:14:42,639 --> 00:14:40,870

some exotic experiments that might but

380

00:14:44,680 --> 00:14:42,649

everybody who looks at the Copenhagen

381

00:14:46,120 --> 00:14:44,690

bohman side-by-side they find that

382

00:14:47,620 --> 00:14:46,130

there's no difference at that point is

383

00:14:49,810 --> 00:14:47,630

when you start saying what else do they

384

00:14:51,970 --> 00:14:49,820

tell us that bohman moves ahead and we

385

00:14:53,829 --> 00:14:51,980

don't care about that here really so I'm

386

00:14:55,930 --> 00:14:53,839

gonna blast through these point I want

387

00:14:57,610 --> 00:14:55,940

to make is deeply ality hides most of

388

00:14:59,250 --> 00:14:57,620

our physics that's the key point I want

389

00:15:04,000 --> 00:14:59,260

to make

390

00:15:05,260 --> 00:15:04,010

now how about Sharman's problem that's

391

00:15:06,819 --> 00:15:05,270

the reason you're here isn't it you saw

392

00:15:08,170 --> 00:15:06,829

Chalmers problem in the program and you

393

00:15:09,730 --> 00:15:08,180

said I'm gonna be there I want to hear

394

00:15:10,380 --> 00:15:09,740

the solution to Chalmers problem by

395

00:15:15,810 --> 00:15:10,390

golly

396

00:15:17,889 --> 00:15:15,820

well kinda there is an issue though and

397

00:15:20,640 --> 00:15:17,899

cleverly segue into the theme of the

398

00:15:22,960 --> 00:15:20,650

Congress it has to do with conciliations

399

00:15:24,210 --> 00:15:22,970

so what's Chalmers actually telling a

400

00:15:26,700 --> 00:15:24,220

asking us to do

401
00:15:28,020 --> 00:15:26,710
he's asking us to build a bridge so I

402
00:15:29,910 --> 00:15:28,030
thought this was original statement of

403
00:15:32,370 --> 00:15:29,920
the harp doll really says and I quote

404
00:15:35,970 --> 00:15:32,380
here between the physics of mass energy

405
00:15:38,070 --> 00:15:35,980
on the one hand and the undeniable

406
00:15:39,540 --> 00:15:38,080
subjective consciousness or experience

407
00:15:44,490 --> 00:15:39,550
of subjective consciousness on the other

408
00:15:45,870 --> 00:15:44,500
and quote highlights mine but what he's

409
00:15:47,820 --> 00:15:45,880
talking about here is subjective

410
00:15:50,880 --> 00:15:47,830
consciousness he calls the program

411
00:15:53,580 --> 00:15:50,890
natural dualism there is no mention

412
00:15:55,410 --> 00:15:53,590
initially of idealism or primacy of

413
00:15:57,330 --> 00:15:55,420

consciousness there is no mention of

414

00:16:00,870 --> 00:15:57,340

ubiquitous self-consciousness or pen

415

00:16:02,850 --> 00:16:00,880

psychism that's important I believe but

416

00:16:06,060 --> 00:16:02,860

has Chalmers unwittingly

417

00:16:08,730 --> 00:16:06,070

set a trap for us because to build a

418

00:16:10,290 --> 00:16:08,740

bridge you need foundations it sounds

419

00:16:13,320 --> 00:16:10,300

like a material and material non

420

00:16:14,640 --> 00:16:13,330

material deep reality both ends we know

421

00:16:17,040 --> 00:16:14,650

about material reality enough to

422

00:16:18,900 --> 00:16:17,050

probably build the bridge but do we know

423

00:16:22,140 --> 00:16:18,910

enough to build the other end of the

424

00:16:25,650 --> 00:16:22,150

bridge we can't get into deep reality we

425

00:16:28,110 --> 00:16:25,660

have to guess about it so if we solve

426

00:16:29,970 --> 00:16:28,120

the hard problem we may have a problem

427

00:16:30,950 --> 00:16:29,980

here the bridge may be a bridge to

428

00:16:34,560 --> 00:16:30,960

nowhere

429

00:16:37,080 --> 00:16:34,570

in other words on this view the problem

430

00:16:39,900 --> 00:16:37,090

is insoluble if we apply standard

431

00:16:43,470 --> 00:16:39,910

empiricism but Parian falsifiability and

432

00:16:45,540 --> 00:16:43,480

things like that but what if we change

433

00:16:48,030 --> 00:16:45,550

our tactics and this has been alluded to

434

00:16:50,550 --> 00:16:48,040

several times in this conference what if

435

00:16:53,090 --> 00:16:50,560

we say instead of taking our traditional

436

00:16:58,290 --> 00:16:53,100

approaches we use abduction we use

437

00:17:01,650 --> 00:16:58,300

various other forms of understanding can

438

00:17:03,810 --> 00:17:01,660

we build something useful well the

439

00:17:05,220 --> 00:17:03,820

answer is yes how do I know so well I'm

440

00:17:07,920 --> 00:17:05,230

not just blowing smoke about this

441

00:17:10,679 --> 00:17:07,930

because this entire model is an exercise

442

00:17:12,900 --> 00:17:10,689

in precisely that I'm not proposing it

443

00:17:15,720 --> 00:17:12,910

I've already done it and that's the link

444

00:17:17,040 --> 00:17:15,730

to conciliate so this whole model which

445

00:17:18,900 --> 00:17:17,050

by the way will be published in some

446

00:17:22,260 --> 00:17:18,910

major technical journal I believe

447

00:17:23,760 --> 00:17:22,270

shortly and I think the book that called

448

00:17:25,939 --> 00:17:23,770

phenomenal lives which I'm writing right

449

00:17:28,140 --> 00:17:25,949

now I think we may have a publisher so

450

00:17:30,150 --> 00:17:28,150

it'll probably be coming out hopefully

451
00:17:32,370 --> 00:17:30,160
toward the end of the year which is my

452
00:17:35,550 --> 00:17:32,380
scientific memoir and contains all this

453
00:17:37,890 --> 00:17:35,560
stuff in laymen detail and of course I'm

454
00:17:39,060 --> 00:17:37,900
doing videos because let's face it

455
00:17:40,470 --> 00:17:39,070
thing exists on the until it's on the

456
00:17:43,140 --> 00:17:40,480
internet right nothing's real so don't

457
00:17:45,990 --> 00:17:43,150
do this but the point is we can fix this

458
00:17:50,190 --> 00:17:46,000
by simply using these new tactics which

459
00:17:52,020 --> 00:17:50,200
I've used in this and one of those new

460
00:17:55,020 --> 00:17:52,030
tactics to develop this model called GI

461
00:17:58,230 --> 00:17:55,030
3r is essentially to ask a key question

462
00:18:01,650 --> 00:17:58,240
that we never ever ask I'm about to give

463
00:18:02,970 --> 00:18:01,660

you a secret a very important secret if

464

00:18:05,760 --> 00:18:02,980

you're in research please listen

465

00:18:11,160 --> 00:18:05,770

carefully there is a secret question

466

00:18:14,550 --> 00:18:11,170

it's almost a mandala and what it is is

467

00:18:17,250 --> 00:18:14,560

the word why why is anything the way it

468

00:18:19,020 --> 00:18:17,260

is is so important I've given her the

469

00:18:20,700 --> 00:18:19,030

name I call it the Genesis question not

470

00:18:24,060 --> 00:18:20,710

in the term of creation but it's a

471

00:18:25,350 --> 00:18:24,070

question you ask you ask this question

472

00:18:28,410 --> 00:18:25,360

guess what happens

473

00:18:29,970 --> 00:18:28,420

nature responds many of you may know

474

00:18:31,530 --> 00:18:29,980

that von Neumann said but quantum

475

00:18:32,970 --> 00:18:31,540

physics is really telling us is how we

476

00:18:35,040 --> 00:18:32,980

acquire knowledge not so much what's out

477

00:18:37,110 --> 00:18:35,050

there but what's in here this is an

478

00:18:39,480 --> 00:18:37,120

exercise in this exact thing practical

479

00:18:43,160 --> 00:18:39,490

exercise when I started doing this years

480

00:18:45,900 --> 00:18:43,170

ago it was just an intuitive thought

481

00:18:49,500 --> 00:18:45,910

kind of like the I Ching in 64 something

482

00:18:52,770 --> 00:18:49,510

deep I realized that this was actually

483

00:18:54,720 --> 00:18:52,780

digging revelations across first class

484

00:18:56,430 --> 00:18:54,730

revelations a lot of the questions were

485

00:18:59,880 --> 00:18:56,440

answered in this way so I trust this a

486

00:19:00,990 --> 00:18:59,890

lot but with a caveat those ideas that

487

00:19:05,340 --> 00:19:01,000

come up out of the deep reality in

488

00:19:08,280 --> 00:19:05,350

nature on my view can be lies what's the

489

00:19:10,590 --> 00:19:08,290

evidence we believed at one time the

490

00:19:11,640 --> 00:19:10,600

nature the world was flat most of the

491

00:19:14,550 --> 00:19:11,650

world believed it where did that idea

492

00:19:16,980 --> 00:19:14,560

come from deep reality so scenario is

493

00:19:19,740 --> 00:19:16,990

it's not that deep reality tells you the

494

00:19:22,500 --> 00:19:19,750

truth all the time it will give you a

495

00:19:23,940 --> 00:19:22,510

chance if you do it right do it wrong

496

00:19:26,460 --> 00:19:23,950

and you'll get a host a lies on a deep

497

00:19:27,840 --> 00:19:26,470

reality just remember that I used to

498

00:19:28,980 --> 00:19:27,850

think that I only nature would only give

499

00:19:30,900 --> 00:19:28,990

you the truth of course that turned out

500

00:19:32,220 --> 00:19:30,910

to be totally wrong so the model is

501
00:19:34,560 --> 00:19:32,230
simple and elegant just like nature

502
00:19:36,180 --> 00:19:34,570
you'll recall and it's complete now

503
00:19:39,030 --> 00:19:36,190
here's the most fantastical claim I'm

504
00:19:42,780 --> 00:19:39,040
going to make it actually explains

505
00:19:45,390 --> 00:19:42,790
everything I have gone to countless and

506
00:19:48,540 --> 00:19:45,400
I mean countless seminars read countless

507
00:19:51,210 --> 00:19:48,550
papers and all disciplines thought about

508
00:19:53,160 --> 00:19:51,220
this very deeply for twenty thirty years

509
00:19:54,300 --> 00:19:53,170
I held this back by the way for seven

510
00:19:55,740 --> 00:19:54,310
years because I was looking for

511
00:19:59,160 --> 00:19:55,750
something in science that's blew me

512
00:20:01,950 --> 00:19:59,170
apart haven't found it yet we're sitting

513
00:20:04,230 --> 00:20:01,960

there so Daryl been at the tuning 16

514

00:20:06,600 --> 00:20:04,240

meeting and his people he had told I

515

00:20:07,980 --> 00:20:06,610

told him a bit about the model and his

516

00:20:09,180 --> 00:20:07,990

people came up and we got crazier and

517

00:20:10,440 --> 00:20:09,190

crazier and Bengston is doing about

518

00:20:12,720 --> 00:20:10,450

cancer thinking all this kind of stuff

519

00:20:14,400 --> 00:20:12,730

all that's going on after each

520

00:20:16,160 --> 00:20:14,410

presentation is leaned over to Daryl and

521

00:20:18,870 --> 00:20:16,170

I said got that covered

522

00:20:20,430 --> 00:20:18,880

got that covered after five or six days

523

00:20:22,800 --> 00:20:20,440

he finally acknowledged okay I get I get

524

00:20:24,180 --> 00:20:22,810

it your model worked so but the point is

525

00:20:24,870 --> 00:20:24,190

it disk and this is crazy I mean I don't

526

00:20:26,100 --> 00:20:24,880

believe it

527

00:20:27,990 --> 00:20:26,110

I never thought I would develop anything

528

00:20:30,180 --> 00:20:28,000

like this well they may have set an

529

00:20:32,670 --> 00:20:30,190

intention way back when when I asked the

530

00:20:34,170 --> 00:20:32,680

innocent question I wonder what a model

531

00:20:36,630 --> 00:20:34,180

or theory of everything would look like

532

00:20:37,890 --> 00:20:36,640

never intended to build one but that may

533

00:20:40,410 --> 00:20:37,900

have been the starting point in actual

534

00:20:42,990 --> 00:20:40,420

fact or maybe on a retro cause of you

535

00:20:45,060 --> 00:20:43,000

that was really the end and missus

536

00:20:46,560 --> 00:20:45,070

closer to the start after all in the

537

00:20:48,210 --> 00:20:46,570

retro causal view the end is the

538

00:20:49,410 --> 00:20:48,220

beginning the beings in I'm sounding

539

00:20:51,990 --> 00:20:49,420

like Eastern mystic I'm going to shut up

540

00:20:53,940 --> 00:20:52,000

but you have the idea so what is gi3 our

541

00:20:56,760 --> 00:20:53,950

stand for it's an acronym of these

542

00:20:59,250 --> 00:20:56,770

features his goal seeking intention

543

00:21:01,470 --> 00:20:59,260

directed information mediated that's the

544

00:21:03,750 --> 00:21:01,480

blueprint part interaction interaction

545

00:21:08,430 --> 00:21:03,760

driven that's the transformation part

546

00:21:10,080 --> 00:21:08,440

and retro causally based what does it

547

00:21:11,790 --> 00:21:10,090

mean to be retro causally placed this is

548

00:21:13,140 --> 00:21:11,800

a really interesting thing to me has a

549

00:21:15,680 --> 00:21:13,150

lot of implications and I can only touch

550

00:21:18,300 --> 00:21:15,690

the surface this says that the blueprint

551

00:21:20,190 --> 00:21:18,310

think of a tree lying on its side grows

552

00:21:22,350 --> 00:21:20,200

backward in time from the end of all

553

00:21:24,060 --> 00:21:22,360

reality to the beginning which

554

00:21:25,860 --> 00:21:24,070

encompasses of course multiple universes

555

00:21:29,250 --> 00:21:25,870

only only one we don't need multiples

556

00:21:32,610 --> 00:21:29,260

and this trunk branches it's and it sets

557

00:21:34,560 --> 00:21:32,620

goals during the actual building of the

558

00:21:36,150 --> 00:21:34,570

of the blueprint those trigger

559

00:21:37,830 --> 00:21:36,160

intentions which are really a system

560

00:21:39,960 --> 00:21:37,840

requests to deep reality in actual fact

561

00:21:41,820 --> 00:21:39,970

humans can set them and others can you

562

00:21:43,140 --> 00:21:41,830

think about your work you'll see a lot

563

00:21:43,770 --> 00:21:43,150

of places where this model starts to

564

00:21:45,960 --> 00:21:43,780

make sense

565

00:21:47,190 --> 00:21:45,970

they say intention to this and well we

566

00:21:50,430 --> 00:21:47,200

can issue intentions but so can deep

567

00:21:52,140 --> 00:21:50,440

reality and if you think of an intention

568

00:21:54,240 --> 00:21:52,150

you're not doing a deep reality's doing

569

00:21:55,980 --> 00:21:54,250

it linked to goals which we can't see

570

00:21:59,400 --> 00:21:55,990

and having priorities we don't know

571

00:22:02,010 --> 00:21:59,410

about again it's all hidden this is why

572

00:22:03,419 --> 00:22:02,020

we can't do a consistent experiment the

573

00:22:06,839 --> 00:22:03,429

closer we get

574

00:22:09,599 --> 00:22:06,849

the non-material aspects of the pail of

575

00:22:11,789 --> 00:22:09,609

the whole system the more unstable it

576

00:22:13,889 --> 00:22:11,799

gets from our point of view the closer

577

00:22:15,599 --> 00:22:13,899

we get to the material stuff those

578

00:22:17,459 --> 00:22:15,609

transformations are more stable because

579

00:22:19,499 --> 00:22:17,469

those are our physical laws and basis

580

00:22:21,089 --> 00:22:19,509

and so as a result we see different

581

00:22:22,469 --> 00:22:21,099

differential behaviors when people are

582

00:22:24,029 --> 00:22:22,479

talking about well this does even this

583

00:22:25,079 --> 00:22:24,039

morning people were saying well it

584

00:22:27,419 --> 00:22:25,089

worked with early skin but didn't work

585

00:22:28,769 --> 00:22:27,429

into those this all I was nodding

586

00:22:30,419 --> 00:22:28,779

they're saying yep that makes sense that

587

00:22:33,209 --> 00:22:30,429

makes sense that mean not one thing said

588

00:22:35,369 --> 00:22:33,219

in this room has it all any way shape or

589

00:22:37,950 --> 00:22:35,379

form confuse me the model is that clean

590

00:22:39,329 --> 00:22:37,960

it really is and if you apply it but you

591

00:22:42,060 --> 00:22:39,339

understand more about it I think you'll

592

00:22:44,999 --> 00:22:42,070

agree with me there's also Universal

593

00:22:46,799 --> 00:22:45,009

Clark because check this out relativity

594

00:22:48,359 --> 00:22:46,809

theory of course says there is no

595

00:22:49,619 --> 00:22:48,369

privileged reference right every

596

00:22:51,539 --> 00:22:49,629

physicist in the room knows that and we

597

00:22:53,430 --> 00:22:51,549

accept it and they're true you don't

598

00:22:56,310 --> 00:22:53,440

need it in 4d space-time you don't need

599

00:22:59,489 --> 00:22:56,320

it and as long as you're in the universe

600

00:23:02,070 --> 00:22:59,499

you're cool but outside the universe

601
00:23:05,129 --> 00:23:02,080
deep reality that is the privileged

602
00:23:06,269 --> 00:23:05,139
reference frame it has a clock by the

603
00:23:08,459 --> 00:23:06,279
way if you believe time doesn't exist

604
00:23:10,680 --> 00:23:08,469
you you're not here so don't worry about

605
00:23:12,060 --> 00:23:10,690
it because you got to be a thing time

606
00:23:13,680 --> 00:23:12,070
has to exist for stuff to happen in the

607
00:23:15,869 --> 00:23:13,690
deep reality there is a universal clock

608
00:23:17,249 --> 00:23:15,879
indeed reality or there could be which

609
00:23:19,589 --> 00:23:17,259
means everything is being timed and

610
00:23:20,999 --> 00:23:19,599
still be fully relativistic because if

611
00:23:22,859 --> 00:23:21,009
the produced universe is 4d space-time

612
00:23:24,899 --> 00:23:22,869
or 40 space-time compliant in the

613
00:23:27,299 --> 00:23:24,909

transformations boom we get relativity

614

00:23:31,109 --> 00:23:27,309

for free time to all this stuff

615

00:23:32,869 --> 00:23:31,119

no problem so we need to tool up for

616

00:23:35,039 --> 00:23:32,879

Concilium we need to embrace

617

00:23:37,379 --> 00:23:35,049

introspection and abduction things like

618

00:23:38,879 --> 00:23:37,389

that we need to consider the Genesis

619

00:23:40,919 --> 00:23:38,889

question this is what I've been doing as

620

00:23:42,180 --> 00:23:40,929

I've been developing the model I'm just

621

00:23:44,219 --> 00:23:42,190

telling you what I did this is not

622

00:23:45,659 --> 00:23:44,229

theoretical I have and you know who's

623

00:23:49,139 --> 00:23:45,669

the fuzzy stuff this is what I've been

624

00:23:50,999 --> 00:23:49,149

doing so what's the one I'm thinking is

625

00:23:53,430 --> 00:23:51,009

we need to embrace humility because

626

00:23:55,769 --> 00:23:53,440

again we're not that important in the

627

00:23:56,940 --> 00:23:55,779

universe there's a great video on Google

628

00:23:57,810 --> 00:23:56,950

you've probably seen it if you haven't

629

00:23:59,070 --> 00:23:57,820

takes check it out

630

00:24:01,619 --> 00:23:59,080

it's young ladies sitting on top of the

631

00:24:03,359 --> 00:24:01,629

Google complex in San Francisco the

632

00:24:05,099 --> 00:24:03,369

video pulls out the simulation pulls out

633

00:24:06,570 --> 00:24:05,109

we see the Googleplex we see the west

634

00:24:08,489 --> 00:24:06,580

coast in San Francisco you know what

635

00:24:10,799 --> 00:24:08,499

we've gone out in space we see the

636

00:24:12,499 --> 00:24:10,809

causal system it makes the point by the

637

00:24:15,629 --> 00:24:12,509

time we get to the edge of the universe

638

00:24:16,799 --> 00:24:15,639

which of course is simulation we see the

639

00:24:18,450 --> 00:24:16,809

poem make the point pretty clear

640

00:24:20,999 --> 00:24:18,460

you aren't that important get over

641

00:24:22,619 --> 00:24:21,009

yourselves and there are some issues of

642

00:24:25,590 --> 00:24:22,629

guarding that we have a real problems in

643

00:24:27,509 --> 00:24:25,600

philosophy and in science because that's

644

00:24:29,279 --> 00:24:27,519

that's part of the ignorance too so I'm

645

00:24:30,419 --> 00:24:29,289

going to suggest in addition to striving

646

00:24:33,060 --> 00:24:30,429

for what I've tried to do in my entire

647

00:24:34,200 --> 00:24:33,070

life the objective open-minded critical

648

00:24:35,430 --> 00:24:34,210

thinker but look at all sides of a

649

00:24:35,879 --> 00:24:35,440

question blah blah blah all that good

650

00:24:39,720 --> 00:24:35,889

stuff

651

00:24:44,399 --> 00:24:39,730

discard the intellectual baggage get rid

652

00:24:45,779 --> 00:24:44,409

of anthropocentrism we don't need it are

653

00:24:50,759 --> 00:24:45,789

we really the most important thing on

654

00:24:52,649 --> 00:24:50,769

the planet in the universe really does

655

00:24:55,739 --> 00:24:52,659

the mystery of a mystery to us

656

00:24:57,139 --> 00:24:55,749

consciousness qualify as the basis of

657

00:25:00,989 --> 00:24:57,149

reality

658

00:25:03,359 --> 00:25:00,999

really I don't think nature would agree

659

00:25:06,450 --> 00:25:03,369

with you not based on our cosmological

660

00:25:08,549 --> 00:25:06,460

significance I don't think so and of

661

00:25:11,730 --> 00:25:08,559

course as we've seen the idealism and

662

00:25:13,190 --> 00:25:11,740

pen psychism is baggage we have to have

663

00:25:16,379 --> 00:25:13,200

because we haven't got a better answer

664

00:25:18,090 --> 00:25:16,389

if you accept the possibility that this

665

00:25:21,480 --> 00:25:18,100

or something like at the deep reality

666

00:25:24,299 --> 00:25:21,490

model is the better thing then should

667

00:25:26,340 --> 00:25:24,309

you not discharge idealism pants autism

668

00:25:28,970 --> 00:25:26,350

and anthropocentrism I would say yes you

669

00:25:31,350 --> 00:25:28,980

mr. Deason disagree but I would say yes

670

00:25:34,489 --> 00:25:31,360

now a very strange thing has happened

671

00:25:37,259 --> 00:25:34,499

here by the way this is kind of my hero

672

00:25:39,470 --> 00:25:37,269

he famously said you know this one we

673

00:25:41,609 --> 00:25:39,480

can't solve our problems the old way

674

00:25:43,109 --> 00:25:41,619

that's kind of the bottom line to the

675

00:25:45,779 --> 00:25:43,119

whole you got to move forward

676

00:25:46,999 --> 00:25:45,789

all right ain't going to happen okay I'd

677

00:25:50,850 --> 00:25:47,009

like to hi why I'm sure anything is cool

678

00:25:51,930 --> 00:25:50,860

so actually I think we're done I can't

679

00:25:53,039 --> 00:25:51,940

believe it we are thank you for

680

00:25:56,999 --> 00:25:53,049

listening I really appreciate I'm John

681

00:26:09,080 --> 00:25:57,009

strong thank you thank you so the

682

00:26:14,180 --> 00:26:11,460

oK we've got a little more time than

683

00:26:16,890 --> 00:26:14,190

usual for questions or comments anybody

684

00:26:18,710 --> 00:26:16,900

my plan was to fill out the things I

685

00:26:21,860 --> 00:26:18,720

didn't say I knew I could trust you

686

00:26:24,120 --> 00:26:21,870

[Laughter]

687

00:26:25,500 --> 00:26:24,130

trying to fill it out because I figured

688

00:26:26,550 --> 00:26:25,510

you guys would have certain things you'd

689

00:26:28,080 --> 00:26:26,560

want to know that I intentionally

690

00:26:39,150 --> 00:26:28,090

wouldn't cover do like a little like a

691

00:26:42,450 --> 00:26:39,160

time I'm afraid that I'm I'm not

692

00:26:46,560 --> 00:26:42,460

terribly impressed with this discussion

693

00:26:50,400 --> 00:26:46,570

of the deep reality model because as as

694

00:26:52,260 --> 00:26:50,410

you've portrayed it it seems to explain

695

00:26:56,040 --> 00:26:52,270

everything and therefore explain nothing

696

00:26:58,170 --> 00:26:56,050

I mean I I can explain everything

697

00:27:02,180 --> 00:26:58,180

equally well by saying that all our

698

00:27:03,930 --> 00:27:02,190

experience are due to the 25th century

699

00:27:05,910 --> 00:27:03,940

neurobiologists who are maintaining us

700

00:27:07,440 --> 00:27:05,920

all as brains and nutrient vats and

701
00:27:10,170 --> 00:27:07,450
feeding at the very feeding us the

702
00:27:12,120 --> 00:27:10,180
experiences they want us to have yes I

703
00:27:13,560 --> 00:27:12,130
would agree York that the issue is here

704
00:27:15,480 --> 00:27:13,570
there are a number of ways that could be

705
00:27:18,360 --> 00:27:15,490
done in fact I'll take York once tell

706
00:27:20,490 --> 00:27:18,370
all CEO York's comment and up at one you

707
00:27:22,320 --> 00:27:20,500
could also say that we're living in a

708
00:27:23,880 --> 00:27:22,330
static universe where everything has

709
00:27:26,640 --> 00:27:23,890
already been decided we don't need this

710
00:27:28,290 --> 00:27:26,650
model there's only one mystery and it's

711
00:27:30,240 --> 00:27:28,300
how the devil do we get from point A to

712
00:27:31,590 --> 00:27:30,250
point B as living organisms with

713
00:27:34,080 --> 00:27:31,600

experiences so yes the point being

714

00:27:35,610 --> 00:27:34,090

there's a lot of ways of doing it and I

715

00:27:38,010 --> 00:27:35,620

don't think and this is my point

716

00:27:41,970 --> 00:27:38,020

he's gotta hit on the key point we

717

00:27:44,370 --> 00:27:41,980

probably never will know the nature of

718

00:27:45,690 --> 00:27:44,380

deep reality or things like it now how

719

00:27:47,010 --> 00:27:45,700

would we falsify because that's an

720

00:27:49,320 --> 00:27:47,020

obvious question to ask at this point

721

00:27:50,790 --> 00:27:49,330

we'd falsified by discovering that

722

00:27:52,170 --> 00:27:50,800

everything can be explained in 4d

723

00:27:54,660 --> 00:27:52,180

space-time or something like that

724

00:27:55,740 --> 00:27:54,670

that's the perfect falsification I don't

725

00:27:57,630 --> 00:27:55,750

know if the other ideas would falsify

726

00:28:02,400 --> 00:27:57,640

the same way but yes there is an issue

727

00:28:04,770 --> 00:28:02,410

and I completely agree that hi there so

728

00:28:07,350 --> 00:28:04,780

I'm obviously haven't wrapped my mind

729

00:28:09,240 --> 00:28:07,360

around this but my initial impression is

730

00:28:11,550 --> 00:28:09,250

that you're making a Phyllis you kind of

731

00:28:14,040 --> 00:28:11,560

confounding philosophy and science and

732

00:28:14,570 --> 00:28:14,050

you're making a skeptical argument

733

00:28:18,649 --> 00:28:14,580

philosophic

734

00:28:20,779 --> 00:28:18,659

speaking but you're not necessarily

735

00:28:22,519 --> 00:28:20,789

grounding that skeptical argument

736

00:28:26,000 --> 00:28:22,529

properly in other words there is a much

737

00:28:28,250 --> 00:28:26,010

more involved philosophical task to be

738

00:28:33,169 --> 00:28:28,260

done here so for example as an example

739

00:28:34,820 --> 00:28:33,179

of possible solutions so there's a it's

740

00:28:37,250 --> 00:28:34,830

a Canadian theologian and philosopher

741

00:28:39,169 --> 00:28:37,260

Bernard Lonergan wrote it like a massive

742

00:28:41,990 --> 00:28:39,179

book like this called insight where he

743

00:28:44,180 --> 00:28:42,000

tries to ground metaphysics he says

744

00:28:45,440 --> 00:28:44,190

prior to any metaphysics or any kind of

745

00:28:49,340 --> 00:28:45,450

worldview that you present you have to

746

00:28:51,919 --> 00:28:49,350

to articulate an epitome epistemology a

747

00:28:55,250 --> 00:28:51,929

conditional theory and prior to that you

748

00:28:57,980 --> 00:28:55,260

have to articulate like in for an

749

00:29:01,340 --> 00:28:57,990

operational theory which is like what am

750

00:29:04,250 --> 00:29:01,350

i doing when I come to know anything so

751

00:29:05,659 --> 00:29:04,260

I think you know whatever you're doing

752

00:29:08,960 --> 00:29:05,669

here I think there's more work to be

753

00:29:11,299 --> 00:29:08,970

done in grounding it in in that question

754

00:29:13,159 --> 00:29:11,309

and and Lonergan's answer is something

755

00:29:16,009 --> 00:29:13,169

to the effect of that there are certain

756

00:29:19,460 --> 00:29:16,019

operations that we cannot avoid doing

757

00:29:21,740 --> 00:29:19,470

whenever we make any claim hmm right so

758

00:29:24,799 --> 00:29:21,750

it's same as the argument against total

759

00:29:27,080 --> 00:29:24,809

skepticism that you're making it and a

760

00:29:28,220 --> 00:29:27,090

positive claim that of not knowing

761

00:29:31,759 --> 00:29:28,230

anything for example right it's not

762

00:29:34,360 --> 00:29:31,769

coherent so so the conditional theory

763

00:29:36,110 --> 00:29:34,370

has to be ultimately articulated and

764

00:29:38,029 --> 00:29:36,120

Lonergan's argument if it's there

765

00:29:40,820 --> 00:29:38,039

certain it has a certain unavoidable

766

00:29:42,529 --> 00:29:40,830

structure to it well that involves

767

00:29:45,500 --> 00:29:42,539

consciousness how it happens to involve

768

00:29:47,560 --> 00:29:45,510

consciousness necessarily simply because

769

00:29:51,019 --> 00:29:47,570

any claim that you're making is a claim

770

00:29:53,799 --> 00:29:51,029

coming from a point of consciousness

771

00:29:56,450 --> 00:29:53,809

right so I just wanted to bring this up

772

00:29:58,759 --> 00:29:56,460

okay as something to think about the

773

00:30:01,100 --> 00:29:58,769

nature of the model claims that

774

00:30:04,639 --> 00:30:01,110

everything you just said originates in

775

00:30:07,340 --> 00:30:04,649

the model every idea every theme every

776

00:30:10,370 --> 00:30:07,350

archetype the idea of redness color all

777

00:30:12,980 --> 00:30:10,380

that so wow I got your large here just

778

00:30:14,960 --> 00:30:12,990

proposing a kind of I by the logic and I

779

00:30:17,659 --> 00:30:14,970

think in time people who are much more

780

00:30:18,830 --> 00:30:17,669

educated in the philosophy than I will

781

00:30:20,899 --> 00:30:18,840

probably look at this and tear it apart

782

00:30:23,060 --> 00:30:20,909

and say some will say yes and some will

783

00:30:24,470 --> 00:30:23,070

say no there'll be a lot of polemics

784

00:30:26,720 --> 00:30:24,480

that will be generated on

785

00:30:28,940 --> 00:30:26,730

if anybody you know if it picks up and

786

00:30:30,770 --> 00:30:28,950

maybe one want to like it but the point

787

00:30:32,360 --> 00:30:30,780

of it is this is a bootstrap it's a

788

00:30:34,550 --> 00:30:32,370

starting point it's a way of thinking

789

00:30:37,370 --> 00:30:34,560

the real important deal here is if we

790

00:30:39,350 --> 00:30:37,380

get causation out of the universe we're

791

00:30:42,470 --> 00:30:39,360

willing to accept a deep reality exists

792

00:30:44,030 --> 00:30:42,480

the whole game changes that's the

793

00:30:46,580 --> 00:30:44,040

message I really want to leave with you

794

00:30:48,620 --> 00:30:46,590

folks and I'm hoping that scientists and

795

00:30:51,560 --> 00:30:48,630

philosophers maybe not buying it today

796

00:30:53,510 --> 00:30:51,570

but will actually say to themselves wait

797

00:30:56,240 --> 00:30:53,520

a minute I remember that silly

798

00:30:57,860 --> 00:30:56,250

presentation five years ago I didn't buy

799

00:30:59,840 --> 00:30:57,870

any but wait a minute this actually

800

00:31:06,560 --> 00:30:59,850

makes some sense that's I want to

801
00:31:08,510 --> 00:31:06,570
bootstrap one kid one kid one kid and if

802
00:31:11,360 --> 00:31:08,520
anybody wins a Nobel Prize on the back

803
00:31:13,100 --> 00:31:11,370
of any of this that's more than payback

804
00:31:15,080 --> 00:31:13,110
for me I don't care if you believe it I

805
00:31:17,120 --> 00:31:15,090
think it was a truth seeker you learned

806
00:31:18,740 --> 00:31:17,130
you can't worry about what other people

807
00:31:19,400 --> 00:31:18,750
think you really can't tell so you'll

808
00:31:21,440 --> 00:31:19,410
never get anything done

809
00:31:22,880 --> 00:31:21,450
Paul so essentially this talk is an

810
00:31:25,310 --> 00:31:22,890
investment in the future is that what

811
00:31:27,290 --> 00:31:25,320
you're saying yes it is I'm softly in

812
00:31:28,400 --> 00:31:27,300
touch with my future self so that's how

813
00:31:31,610 --> 00:31:28,410

it worked that's how I roll

814

00:31:33,500 --> 00:31:31,620

okay so the first thing is the causal

815

00:31:35,180 --> 00:31:33,510

closure argument and David sharp talked

816

00:31:35,900 --> 00:31:35,190

a bit about that and we're all in

817

00:31:38,810 --> 00:31:35,910

agreement on that

818

00:31:42,200 --> 00:31:38,820

in fact implicitly anybody who believes

819

00:31:43,910 --> 00:31:42,210

in the reality this phenomenon is at

820

00:31:45,920 --> 00:31:43,920

least betting that causes of closures

821

00:31:47,660 --> 00:31:45,930

false yeah yeah I know your paper you

822

00:31:50,480 --> 00:31:47,670

talked about it yeah yeah there's great

823

00:31:51,920 --> 00:31:50,490

are great arguments in against it

824

00:31:54,530 --> 00:31:51,930

because it really is just a metaphysical

825

00:31:57,260 --> 00:31:54,540

assertion if way it's sort of a

826

00:31:59,300 --> 00:31:57,270

tautology it actually comes through the

827

00:32:02,660 --> 00:31:59,310

conclusion that it assumes right you

828

00:32:04,220 --> 00:32:02,670

know but a physicalist has to have it or

829

00:32:06,530 --> 00:32:04,230

it doesn't or physicalism doesn't work

830

00:32:08,180 --> 00:32:06,540

right but now I'm gonna ask you a

831

00:32:10,940 --> 00:32:08,190

question which may betray my

832

00:32:13,720 --> 00:32:10,950

obliviousness or something so the the

833

00:32:16,760 --> 00:32:13,730

simplest formulation of david chalmers

834

00:32:20,020 --> 00:32:16,770

heart problem is that essentially how

835

00:32:22,010 --> 00:32:20,030

does a physical construct like a body

836

00:32:24,380 --> 00:32:22,020

experience the things that we experience

837

00:32:28,480 --> 00:32:24,390

those conscious experiences the feelings

838

00:32:31,040 --> 00:32:28,490

kind of smells you know the experience

839

00:32:34,000 --> 00:32:31,050

yeah that's interesting

840

00:32:37,030 --> 00:32:34,010

I'm making a claim that's hard to verify

841

00:32:39,730 --> 00:32:37,040

let me actually

842

00:32:41,470 --> 00:32:39,740

yeah so that's the simplest formulation

843

00:32:44,740 --> 00:32:41,480

of and it's fairly easy for anybody to

844

00:32:46,720 --> 00:32:44,750

understand how can a body actually have

845

00:32:49,570 --> 00:32:46,730

that the feeling you get when you see

846

00:32:51,760 --> 00:32:49,580

red right so I guess what I didn't get

847

00:32:53,730 --> 00:32:51,770

was a clear understanding of how you

848

00:32:56,140 --> 00:32:53,740

think what you're talking about

849

00:32:57,520 --> 00:32:56,150

solves that problem and that may have

850

00:33:00,220 --> 00:32:57,530

been a lack of attention on my part

851
00:33:01,690 --> 00:33:00,230
maybe they leave something out okay this

852
00:33:02,800 --> 00:33:01,700
may or may not be satisfactory but I did

853
00:33:04,270 --> 00:33:02,810
leave something out this critical in

854
00:33:06,460 --> 00:33:04,280
this book okay so I'll leave it at that

855
00:33:08,530 --> 00:33:06,470
and maybe you can yeah yeah make me

856
00:33:10,900 --> 00:33:08,540
smarter so hopefully hopefully make

857
00:33:12,970 --> 00:33:10,910
sense the key to the whole thing is that

858
00:33:14,650 --> 00:33:12,980
the physics is different than we know

859
00:33:17,080 --> 00:33:14,660
that's the first thing we have to accept

860
00:33:20,680 --> 00:33:17,090
the physics is different than we know so

861
00:33:23,350 --> 00:33:20,690
I believe that what we call matter and

862
00:33:26,080 --> 00:33:23,360
mind are manipulations of some proto

863
00:33:27,460 --> 00:33:26,090

substance that is actually at the basis

864

00:33:28,690 --> 00:33:27,470

of reality kind of the ground state of

865

00:33:31,360 --> 00:33:28,700

everything when we used to say in the

866

00:33:34,080 --> 00:33:31,370

80s and these transformations are really

867

00:33:36,430 --> 00:33:34,090

manipulating that that's what mine is

868

00:33:39,310 --> 00:33:36,440

underneath all of this to address Paul's

869

00:33:43,090 --> 00:33:39,320

direct question there are archetypes red

870

00:33:45,760 --> 00:33:43,100

colors structures emotions numbers as in

871

00:33:48,970 --> 00:33:45,770

the eye change and this is what branches

872

00:33:51,040 --> 00:33:48,980

across everything so the archetype of

873

00:33:53,140 --> 00:33:51,050

red when material I have put through the

874

00:33:55,570 --> 00:33:53,150

material process the stuff that returns

875

00:33:57,490 --> 00:33:55,580

into matter as we see it correct creates

876

00:34:01,000 --> 00:33:57,500

a shirt like this on a photon that's

877

00:34:03,760 --> 00:34:01,010

right at the right frequency and when we

878

00:34:05,680 --> 00:34:03,770

put that same archetype through the

879

00:34:08,680 --> 00:34:05,690

mental process we'll call it that for

880

00:34:10,000 --> 00:34:08,690

lack of a better term we get redness the

881

00:34:11,710 --> 00:34:10,010

quality and there was Chris explains

882

00:34:13,000 --> 00:34:11,720

qualia which is kind of the heart I

883

00:34:16,419 --> 00:34:13,010

think of it Paul's going for in that

884

00:34:18,340 --> 00:34:16,429

question it's it's a it's a stretch but

885

00:34:20,110 --> 00:34:18,350

I don't know of a better one everything

886

00:34:22,690 --> 00:34:20,120

also have heard is all kind of circular

887

00:34:25,080 --> 00:34:22,700

arguments but embedded in a lot of

888

00:34:27,070 --> 00:34:25,090

academic talk that I can't understand

889

00:34:28,300 --> 00:34:27,080

frankly and maybe that's part of the

890

00:34:30,550 --> 00:34:28,310

problem maybe I'm having the same

891

00:34:32,590 --> 00:34:30,560

problem you're having Paul but I haven't

892

00:34:34,630 --> 00:34:32,600

heard a clear explanation of how Colyer

893

00:34:35,980 --> 00:34:34,640

works from anybody I also have heard a

894

00:34:37,870 --> 00:34:35,990

clear explanation from any physicist

895

00:34:40,210 --> 00:34:37,880

despite assurances people like you prize

896

00:34:42,850 --> 00:34:40,220

and others Jack Sarfati has this thing

897

00:34:45,250 --> 00:34:42,860

through to actually explain how a static

898

00:34:46,360 --> 00:34:45,260

universe could contain motion I'd love

899

00:34:48,400 --> 00:34:46,370

if you're a physicist and you think you

900

00:34:49,440 --> 00:34:48,410

can explain that in English please come

901
00:34:50,730 --> 00:34:49,450
and see

902
00:34:52,020 --> 00:34:50,740
but I want to hear the arguments

903
00:34:54,060 --> 00:34:52,030
obviously I'm missing it but back to

904
00:34:56,399 --> 00:34:54,070
Paul's point it is the nature of the

905
00:34:58,950 --> 00:34:56,409
deep reality it is very it is unload it

906
00:35:00,030 --> 00:34:58,960
is very flexible it breaks most of the

907
00:35:01,410 --> 00:35:00,040
back you found all the boundaries we

908
00:35:04,109 --> 00:35:01,420
know about it's just a whole different

909
00:35:05,930 --> 00:35:04,119
place and these archetypes link together

910
00:35:09,089 --> 00:35:05,940
they are given a surface for example

911
00:35:11,220 --> 00:35:09,099
manifesting as that but also manifesting

912
00:35:12,870 --> 00:35:11,230
is the concept of linearity they say

913
00:35:13,740 --> 00:35:12,880

those archetypes it's kind of what we're

914

00:35:16,560 --> 00:35:13,750

dealing with here so that's that's my

915

00:35:18,720 --> 00:35:16,570

brief answer to kind of deal with how to

916

00:35:20,609 --> 00:35:18,730

solve we're approaching it I must say if

917

00:35:22,410 --> 00:35:20,619

your pure solution but I think I'm going

918

00:35:24,390 --> 00:35:22,420

in the right direction and if someone

919

00:35:26,460 --> 00:35:24,400

were to follow that I honestly believe

920

00:35:28,140 --> 00:35:26,470

that yeah and with all the comments

921

00:35:29,970 --> 00:35:28,150

about how you do it philosophically and

922

00:35:32,520 --> 00:35:29,980

all the necessary you know checks and

923

00:35:33,690 --> 00:35:32,530

balances dots and crosses I think that

924

00:35:35,579 --> 00:35:33,700

something very interesting could emerge

925

00:35:37,170 --> 00:35:35,589

from that again this is the bootstrap

926

00:35:38,220 --> 00:35:37,180

this is the first time out never said

927

00:35:39,359 --> 00:35:38,230

this to anybody before

928

00:35:41,730 --> 00:35:39,369

and so that you're the first audience

929

00:35:48,780 --> 00:35:41,740

and all your comments are valuable how

930

00:35:52,010 --> 00:35:48,790

we do on time Brenda okay this is crazy

931

00:35:54,210 --> 00:35:52,020

I really thought was gonna run over so

932

00:35:56,130 --> 00:35:54,220

I'm a little confused with your last

933

00:35:58,920 --> 00:35:56,140

explanation because that sounds very

934

00:36:01,200 --> 00:35:58,930

much like idealism or neoplatonism so

935

00:36:03,839 --> 00:36:01,210

you just said you didn't want to resort

936

00:36:06,740 --> 00:36:03,849

to idealism wear pants psychism mm-hmm

937

00:36:10,710 --> 00:36:06,750

yet in your notion of a latent model

938

00:36:13,170 --> 00:36:10,720

your thing that as latent is some sort

939

00:36:16,530 --> 00:36:13,180

of an ideal that you are getting the

940

00:36:18,300 --> 00:36:16,540

quality foam for the claudius oh well I

941

00:36:20,520 --> 00:36:18,310

what I want to avoid is using the word

942

00:36:23,820 --> 00:36:20,530

consciousness beyond its normal

943

00:36:25,829 --> 00:36:23,830

definition it's a seductive deceptive

944

00:36:29,010 --> 00:36:25,839

term in my opinion maybe you don't agree

945

00:36:31,589 --> 00:36:29,020

but I believe it is it leads to possibly

946

00:36:33,660 --> 00:36:31,599

sloppy logic it can you can begin

947

00:36:35,520 --> 00:36:33,670

conflating things without realizing it I

948

00:36:37,320 --> 00:36:35,530

see that a lot in the writings

949

00:36:39,270 --> 00:36:37,330

especially in philosophy especially in

950

00:36:42,270 --> 00:36:39,280

folks who are promoting idealism

951
00:36:44,760 --> 00:36:42,280
especially I see that a lot I think if

952
00:36:46,230 --> 00:36:44,770
you take various and what I've noticed

953
00:36:47,609 --> 00:36:46,240
in philosophy there seem to be various

954
00:36:50,099 --> 00:36:47,619
perspectives and you actually mentioned

955
00:36:51,960 --> 00:36:50,109
two right there on this notion of

956
00:36:54,500 --> 00:36:51,970
idealism so I'm probably going to have

957
00:36:56,490 --> 00:36:54,510
to use some idealistic concepts

958
00:36:58,589 --> 00:36:56,500
necessarily follow them what the other

959
00:37:00,120 --> 00:36:58,599
gentleman said in order to explain it

960
00:37:01,370 --> 00:37:00,130
but I don't have to buy into

961
00:37:03,920 --> 00:37:01,380
consciousness being fun

962
00:37:05,510 --> 00:37:03,930
mental which is another nature of

963
00:37:07,310 --> 00:37:05,520

idealist in order to go there and I

964

00:37:10,760 --> 00:37:07,320

realize that's contentious I get that I

965

00:37:12,350 --> 00:37:10,770

get that if you have a follow-up yeah I

966

00:37:14,240 --> 00:37:12,360

live here this is what I hear I really

967

00:37:16,760 --> 00:37:14,250

instead I just see what you're saying is

968

00:37:18,260 --> 00:37:16,770

a semiotic differences it's amazing that

969

00:37:19,910 --> 00:37:18,270

a different way please I'm not into

970

00:37:21,530 --> 00:37:19,920

academic talk can you tell us say that

971

00:37:24,110 --> 00:37:21,540

in simple words please yeah the words

972

00:37:25,670 --> 00:37:24,120

you're using have been defined in a

973

00:37:27,410 --> 00:37:25,680

different way than the way you're using

974

00:37:30,530 --> 00:37:27,420

them for most of us okay and so that

975

00:37:36,500 --> 00:37:30,540

confuses us okay right now is a very

976

00:37:38,360 --> 00:37:36,510

platonc idealistic notion of how latent

977

00:37:40,400 --> 00:37:38,370

variables are hidden variables work in

978

00:37:42,410 --> 00:37:40,410

the world and the way you want to

979

00:37:43,700 --> 00:37:42,420

describe them this seems different than

980

00:37:46,370 --> 00:37:43,710

that you're not wanting them to be

981

00:37:50,630 --> 00:37:46,380

things that are just not well I'm fully

982

00:37:52,010 --> 00:37:50,640

aware self-generating yeah fully aware

983

00:37:53,810 --> 00:37:52,020

of that and that's a good feedback I see

984

00:37:55,730 --> 00:37:53,820

that helped because once you put it in

985

00:37:56,630 --> 00:37:55,740

simple English for me it became crystal

986

00:37:58,160 --> 00:37:56,640

clear what you were trying to say to me

987

00:37:59,810 --> 00:37:58,170

and I can understand it's very good

988

00:38:00,950 --> 00:37:59,820

feedback that's part of the problem

989

00:38:02,120 --> 00:38:00,960

right there I asked you to do that

990

00:38:04,880 --> 00:38:02,130

because I wanted to demonstrate the

991

00:38:07,310 --> 00:38:04,890

problem and that's and that's but I

992

00:38:09,680 --> 00:38:07,320

think you're right I think I'm a

993

00:38:12,860 --> 00:38:09,690

cognitive scientist I have this problem

994

00:38:15,290 --> 00:38:12,870

with physicists who whose idea of

995

00:38:17,780 --> 00:38:15,300

measurement problem is about precision

996

00:38:19,970 --> 00:38:17,790

not about construct validity yeah

997

00:38:23,240 --> 00:38:19,980

Concilium is gonna require a type of

998

00:38:26,840 --> 00:38:23,250

construct validation that we've nowhere

999

00:38:29,660 --> 00:38:26,850

even near so measurement issues are

1000

00:38:32,000 --> 00:38:29,670

gonna need reliability validation bias

1001
00:38:32,750 --> 00:38:32,010
right need to come on top of us speaking

1002
00:38:34,460 --> 00:38:32,760
the same language

1003
00:38:35,750 --> 00:38:34,470
yeah we're just there the bottom line

1004
00:38:36,680 --> 00:38:35,760
we're not there yet I agree with you I

1005
00:38:38,480 --> 00:38:36,690
think everyone in this room probably

1006
00:38:46,040 --> 00:38:38,490
agrees at that point thank you very much

1007
00:38:48,950 --> 00:38:46,050
you're very helpful so I'm a physicist

1008
00:38:49,910 --> 00:38:48,960
who has problems with physicists and I

1009
00:38:55,520 --> 00:38:49,920
have a comment that has absolutely

1010
00:38:56,840 --> 00:38:55,530
nothing to do with you or your talk few

1011
00:38:59,930 --> 00:38:56,850
questions we're actually on to

1012
00:39:01,220 --> 00:38:59,940
never-never 11 but whatever back ok cool

1013
00:39:05,300 --> 00:39:01,230

but it does tie in to the last comment

1014

00:39:06,120 --> 00:39:05,310

ok and that is as an idea just to tick

1015

00:39:07,769 --> 00:39:06,130

it out there for

1016

00:39:10,559 --> 00:39:07,779

society when they're thinking about it

1017

00:39:12,599 --> 00:39:10,569

future meetings one of the themes that's

1018

00:39:15,900 --> 00:39:12,609

come up in a number of conversations

1019

00:39:17,819 --> 00:39:15,910

already both in discussions and our

1020

00:39:21,509 --> 00:39:17,829

parting in presentations and in sidebars

1021

00:39:23,940 --> 00:39:21,519

discussions is what language has to

1022

00:39:27,720 --> 00:39:23,950

offer and the ways that language can be

1023

00:39:29,579 --> 00:39:27,730

effective and ineffective and as an idea

1024

00:39:31,019 --> 00:39:29,589

or a theme or in somehow being able to

1025

00:39:32,579 --> 00:39:31,029

incorporate in future meetings that

1026

00:39:34,279 --> 00:39:32,589

would propose that that might be a

1027

00:39:37,349 --> 00:39:34,289

subject that's worth exploring

1028

00:39:39,089 --> 00:39:37,359

especially if we're gonna follow on and

1029

00:39:41,309 --> 00:39:39,099

continue to explore the idea of

1030

00:39:43,589 --> 00:39:41,319

Concilium so many people are agreeing

1031

00:39:45,240 --> 00:39:43,599

it's going to demand that we're much

1032

00:39:46,859 --> 00:39:45,250

more effective in our language so I

1033

00:39:48,450 --> 00:39:46,869

think that's a really great and if I

1034

00:39:49,829 --> 00:39:48,460

didn't put that on my list but if I'd

1035

00:39:52,019 --> 00:39:49,839

thought about it I would have because

1036

00:39:53,940 --> 00:39:52,029

it's a wonderful idea I imagine most of

1037

00:39:55,740 --> 00:39:53,950

us feel the same way yeah thank you very

1038

00:39:58,350 --> 00:39:55,750

much all done okay