

1
00:00:00,030 --> 00:00:09,949
I'll be talking today about a non-local

2
00:00:10,189 --> 00:00:21,170
form of psychic experience but local

3
00:00:17,160 --> 00:00:25,380
enough to be confined within our brains

4
00:00:21,170 --> 00:00:26,340
namely the way we communicate with

5
00:00:25,379 --> 00:00:30,479
ourselves

6
00:00:26,339 --> 00:00:39,210
and the way that's related to our brain

7
00:00:30,480 --> 00:00:52,519
process I think that the fundamental

8
00:00:39,210 --> 00:00:56,719
issue that they cart left to us was how

9
00:00:52,520 --> 00:01:02,460
in modern terms how complex systems

10
00:00:56,719 --> 00:01:10,859
which are open to external energy mass

11
00:01:02,460 --> 00:01:13,379
and so forth could register a conscious

12
00:01:10,859 --> 00:01:16,438
experience and how conscious experience

13
00:01:13,379 --> 00:01:24,649
could be informed by those complex

14
00:01:16,438 --> 00:01:29,688
systems so what I'd like to explore

15
00:01:24,650 --> 00:01:36,810
toward a a science of conscious systems

16
00:01:29,688 --> 00:01:39,449
is first of all what the domain of study

17
00:01:36,810 --> 00:01:41,850
ought to be every science I'm the

18
00:01:39,450 --> 00:01:46,590
philosopher of science needs an

19
00:01:41,849 --> 00:01:50,129
empirical domain so what what are the

20
00:01:46,590 --> 00:01:53,759
systems that might be conscious and I

21
00:01:50,129 --> 00:01:57,569
would say that there are candidates at

22
00:01:53,759 --> 00:02:02,819
just about every scale we're conscious

23
00:01:57,569 --> 00:02:10,370
of course our million friends are I'm

24
00:02:02,819 --> 00:02:12,810
sure the insects that Tom is at Dijkstra

25
00:02:10,370 --> 00:02:16,319
spoke of

26
00:02:12,810 --> 00:02:22,280
our conscious but ourselves conscious

27
00:02:16,318 --> 00:02:22,280
our atoms conscious I I think a good

28
00:02:22,579 --> 00:02:31,590
regulative principle would be to

29

00:02:24,959 --> 00:02:34,739
consider the whole spectrum third we

30
00:02:31,590 --> 00:02:38,729
have to ask how complex systems could

31
00:02:34,739 --> 00:02:41,789
interrelate with conscious experience

32
00:02:38,729 --> 00:02:44,340
and that conscious experience may be

33
00:02:41,789 --> 00:02:47,370
conceived as a separate substance as

34
00:02:44,340 --> 00:02:52,670
Descartes did it could be conceived of

35
00:02:47,370 --> 00:02:55,980
as an aspect of complex systems and/or

36
00:02:52,669 --> 00:02:58,348
consciousness and complexity may be seen

37
00:02:55,979 --> 00:03:00,869
as two different expressions of the same

38
00:02:58,348 --> 00:03:04,199
thing but however we conceive the

39
00:03:00,870 --> 00:03:07,049
ontology the question is how does our

40
00:03:04,199 --> 00:03:09,750
consciousness influence our brain and

41
00:03:07,049 --> 00:03:12,689
vice versa and that's a very real

42
00:03:09,750 --> 00:03:16,669
question from an evolutionary point of

43
00:03:12,689 --> 00:03:20,549

view because obviously consciousness or

44

00:03:16,669 --> 00:03:23,160

greater and greater degrees of it has

45

00:03:20,549 --> 00:03:26,010

proven to have an evolutionary function

46

00:03:23,159 --> 00:03:34,489

or our brains would not have evolved the

47

00:03:26,009 --> 00:03:40,259

way they have so finally I want to

48

00:03:34,489 --> 00:03:43,590

explore just what kinds of scientific

49

00:03:40,259 --> 00:03:50,729

programs could actually study such

50

00:03:43,590 --> 00:03:53,039

issues so to begin with let's consider

51

00:03:50,729 --> 00:03:56,280

the possible candidates for conscious

52

00:03:53,039 --> 00:03:59,189

systems is consciousness limited to

53

00:03:56,280 --> 00:04:01,378

mammals or vertebrates if so is there

54

00:03:59,189 --> 00:04:04,139

consciousness associated with all the

55

00:04:01,378 --> 00:04:06,719

information processing inherent in their

56

00:04:04,139 --> 00:04:08,969

bodies or associated more directly with

57

00:04:06,719 --> 00:04:11,189

their nervous systems brains the

58
00:04:08,969 --> 00:04:13,348
computational sophistication of their

59
00:04:11,189 --> 00:04:16,019
brains certain brain structures or

60
00:04:13,348 --> 00:04:19,620
certain patterns of brain activity such

61
00:04:16,019 --> 00:04:21,959
as coherently firing neurons do plants

62
00:04:19,620 --> 00:04:24,149
and fungi have their own forms of

63
00:04:21,959 --> 00:04:26,040
consciousness our single cells such as

64
00:04:24,149 --> 00:04:28,799
unicellular

65
00:04:26,040 --> 00:04:31,860
it's bacterial colonial cells or cells

66
00:04:28,800 --> 00:04:34,259
within multicellular organisms conscious

67
00:04:31,860 --> 00:04:36,569
what about the fundamental particles

68
00:04:34,259 --> 00:04:38,699
atoms and ions molecules and

69
00:04:36,569 --> 00:04:41,310
macromolecules electrical and magnetic

70
00:04:38,699 --> 00:04:44,009
fields electromagnetic radiation

71
00:04:41,310 --> 00:04:46,490
electric currents and other constituents

72
00:04:44,009 --> 00:04:49,889
of conscious systems are they conscious

73
00:04:46,490 --> 00:04:52,980
and what I'm trying to do is to stretch

74
00:04:49,889 --> 00:04:57,839
our imaginations as to the possible

75
00:04:52,980 --> 00:05:01,170
conscious systems to then try to limit

76
00:04:57,839 --> 00:05:03,419
the domain of conscious systems to talk

77
00:05:01,170 --> 00:05:06,660
about what such a science would be like

78
00:05:03,420 --> 00:05:09,120
do the super positions of the states of

79
00:05:06,660 --> 00:05:11,430
certain bodily components that are

80
00:05:09,120 --> 00:05:13,470
described by wave functions such as the

81
00:05:11,430 --> 00:05:16,530
alternative states of allosteric

82
00:05:13,470 --> 00:05:18,960
proteins and microtubules constitute

83
00:05:16,529 --> 00:05:21,119
conscious systems is the universe or

84
00:05:18,959 --> 00:05:23,789
multiverse considered as a system

85
00:05:21,120 --> 00:05:26,490
conscious in its own right over and

86

00:05:23,790 --> 00:05:29,730
above the consciousness of any of its

87
00:05:26,490 --> 00:05:32,340
subsystems you'll recognize that is the

88
00:05:29,730 --> 00:05:35,100
question of God's existence

89
00:05:32,339 --> 00:05:39,409
are there any systems or phenomena which

90
00:05:35,100 --> 00:05:39,410
don't have spatially manifest bodies

91
00:05:40,459 --> 00:05:49,919
which are conscious do lovers families

92
00:05:47,759 --> 00:05:52,949
businesses interest groups community

93
00:05:49,920 --> 00:05:56,310
societies or civilization enjoy a form

94
00:05:52,949 --> 00:06:01,229
of shared consciousness Bob John once

95
00:05:56,310 --> 00:06:04,889
suggested that in in in I I think it was

96
00:06:01,230 --> 00:06:10,129
in remote viewing experiments that the

97
00:06:04,889 --> 00:06:13,769
the or telepathic experiments I I forget

98
00:06:10,129 --> 00:06:18,529
whether the remote participants were

99
00:06:13,769 --> 00:06:18,529
part of a single conscious system and

100
00:06:18,709 --> 00:06:27,439

that's always the question when certain

101

00:06:22,519 --> 00:06:31,250

phenomena seem to transcend our our own

102

00:06:27,439 --> 00:06:34,709

individuality our ecosystems or the

103

00:06:31,250 --> 00:06:38,908

biosphere conscious can sophisticated

104

00:06:34,709 --> 00:06:44,218

robots be conscious so

105

00:06:38,908 --> 00:06:49,098

of all these possibilities what specific

106

00:06:44,218 --> 00:06:54,199

kinds of experience or organization

107

00:06:49,098 --> 00:06:55,490

should we consider as essential to

108

00:06:54,199 --> 00:06:58,528

[Music]

109

00:06:55,490 --> 00:07:01,050

conscious systems well obviously they

110

00:06:58,528 --> 00:07:04,468

have experience and what I would also

111

00:07:01,050 --> 00:07:10,408

suggest is that they have memory because

112

00:07:04,468 --> 00:07:15,509

if we're conscious in isolation from

113

00:07:10,408 --> 00:07:18,569

memory then we will not be applying our

114

00:07:15,509 --> 00:07:21,838

past experience in any way and we won't

115
00:07:18,569 --> 00:07:25,619
be conscious in the context that might

116
00:07:21,838 --> 00:07:28,978
qualify as pure consciousness without an

117
00:07:25,619 --> 00:07:31,589
object and without an identity but how

118
00:07:28,978 --> 00:07:35,459
would that consciousness even know it

119
00:07:31,588 --> 00:07:37,978
exists if it didn't have a memory to

120
00:07:35,459 --> 00:07:42,240
consider the question in the context of

121
00:07:37,978 --> 00:07:45,258
so I'll make that assumption for the

122
00:07:42,240 --> 00:07:49,038
time being and that by the way implies

123
00:07:45,259 --> 00:07:53,009
certain kinds of physicality or

124
00:07:49,038 --> 00:07:55,399
materiality even in other dimensions but

125
00:07:53,009 --> 00:07:57,689
certain kinds of materiality are

126
00:07:55,399 --> 00:08:00,538
associated with conscious systems and

127
00:07:57,689 --> 00:08:01,649
that's why I'm using the term systems in

128
00:08:00,538 --> 00:08:06,329
the first place

129
00:08:01,649 --> 00:08:13,139
now what kinds of systems would they be

130
00:08:06,329 --> 00:08:15,028
well they would be the conscious systems

131
00:08:13,139 --> 00:08:17,550
would interact with the mass and energy

132
00:08:15,028 --> 00:08:20,098
of their environment because clearly

133
00:08:17,550 --> 00:08:22,528
their open systems if they do quantum

134
00:08:20,098 --> 00:08:25,050
measurement if they register the

135
00:08:22,528 --> 00:08:29,699
collapse of wave functions or however we

136
00:08:25,050 --> 00:08:33,509
conceive it that requires energy and if

137
00:08:29,699 --> 00:08:36,389
they have to be more or less organized

138
00:08:33,509 --> 00:08:39,329
to store that information and to

139
00:08:36,389 --> 00:08:42,688
organize their conscious responses their

140
00:08:39,328 --> 00:08:44,638
behavior then they have to be far from

141
00:08:42,688 --> 00:08:47,639
the equilibrium they have to sustain

142
00:08:44,639 --> 00:08:52,889
steady States they have to be sensitive

143

00:08:47,639 --> 00:08:56,470
to perturbations and more generally

144
00:08:52,889 --> 00:08:59,610
such systems are interactive with and

145
00:08:56,470 --> 00:09:03,100
informed by internal and external

146
00:08:59,610 --> 00:09:06,009
systems and phenomena at many scales and

147
00:09:03,100 --> 00:09:08,470
degrees of organization including other

148
00:09:06,009 --> 00:09:11,799
conscious systems which are always in in

149
00:09:08,470 --> 00:09:16,570
our environment and vacuum fluctuations

150
00:09:11,799 --> 00:09:19,329
which since Bernie high C's work with

151
00:09:16,570 --> 00:09:22,480
how put off and so forth we should never

152
00:09:19,330 --> 00:09:26,290
forget every atom is bathed in the

153
00:09:22,480 --> 00:09:28,480
vacuum so are our brains and so

154
00:09:26,289 --> 00:09:32,649
ourselves and we have to ask what

155
00:09:28,480 --> 00:09:35,589
significance that has assist conscious

156
00:09:32,649 --> 00:09:38,649
systems just like any others don't exist

157
00:09:35,589 --> 00:09:44,710

if you'll forgive the fund of the pun in

158

00:09:38,649 --> 00:09:48,490

in a vacuum so what do conscious systems

159

00:09:44,710 --> 00:09:51,700

do most importantly they evaluate

160

00:09:48,490 --> 00:09:54,820

options construct patterns and initiate

161

00:09:51,700 --> 00:09:57,640

causal series in potentially creative

162

00:09:54,820 --> 00:10:00,730

and effective responses to considered

163

00:09:57,639 --> 00:10:04,350

aspects of their environment and history

164

00:10:00,730 --> 00:10:09,580

that's something of a formal definition

165

00:10:04,350 --> 00:10:13,000

in terms of cognitive science concerns

166

00:10:09,580 --> 00:10:16,509

they reveal imaginative emotive

167

00:10:13,000 --> 00:10:22,589

cognitive and executive functions or

168

00:10:16,509 --> 00:10:25,000

something like that so my approach at my

169

00:10:22,589 --> 00:10:29,500

Institute for the Study of conscious

170

00:10:25,000 --> 00:10:34,809

systems is along the lines of the

171

00:10:29,500 --> 00:10:38,080

acronym AIESEC Azam that is I think we

172
00:10:34,809 --> 00:10:40,500
should treat every different scale that

173
00:10:38,080 --> 00:10:45,520
from the microcosm to the macrocosm

174
00:10:40,500 --> 00:10:48,279
equally so the AIESEC Azam then is the

175
00:10:45,519 --> 00:10:50,500
full spectrum of levels of organization

176
00:10:48,279 --> 00:10:52,838
in the universe ranging from the

177
00:10:50,500 --> 00:10:56,049
smallest spatial or temporal scales the

178
00:10:52,839 --> 00:10:58,209
microcosm to the largest viewed without

179
00:10:56,049 --> 00:11:00,699
prejudice as to their possible or

180
00:10:58,208 --> 00:11:02,859
potential ability to harness or

181
00:11:00,700 --> 00:11:05,110
synergized with the capacity of the

182
00:11:02,860 --> 00:11:10,419
universe around them in conscious

183
00:11:05,110 --> 00:11:12,759
experience and behavior so what then is

184
00:11:10,419 --> 00:11:16,838
the relationship between consciousness

185
00:11:12,759 --> 00:11:19,269
and electromagnetic complexity in such

186
00:11:16,839 --> 00:11:21,430
conscious systems let's consider the

187
00:11:19,269 --> 00:11:24,789
case of human beings with the

188
00:11:21,429 --> 00:11:27,219
understanding that atoms and cells and

189
00:11:24,789 --> 00:11:33,009
the universe as a whole or God might

190
00:11:27,220 --> 00:11:36,269
also be conscious well even the Nobel

191
00:11:33,009 --> 00:11:40,779
laureate Francis Crick an arch

192
00:11:36,269 --> 00:11:42,850
materialist if there ever were one spoke

193
00:11:40,779 --> 00:11:45,578
of the neural correlates of

194
00:11:42,850 --> 00:11:48,519
consciousness and he was interested in

195
00:11:45,578 --> 00:11:52,449
forty Hertz waves and so forth he

196
00:11:48,519 --> 00:11:56,980
changed his views later on but another

197
00:11:52,450 --> 00:12:02,200
Nobel laureate Gerald Adelman emphasized

198
00:11:56,980 --> 00:12:06,870
the thalamocortical oscillations in the

199
00:12:02,200 --> 00:12:10,180
forty Hertz range not only because

200

00:12:06,870 --> 00:12:12,669
there's more or less coherent firing

201
00:12:10,179 --> 00:12:16,259
during non specific and specific

202
00:12:12,669 --> 00:12:19,929
conscious experience but also because

203
00:12:16,259 --> 00:12:22,299
there's such a richness of complexity in

204
00:12:19,929 --> 00:12:24,370
this Olano cortical oscillations

205
00:12:22,299 --> 00:12:27,399
there's the correlation but there's also

206
00:12:24,370 --> 00:12:29,769
the independence of firing and he

207
00:12:27,399 --> 00:12:31,980
thought that that would provide the

208
00:12:29,769 --> 00:12:34,809
opportunity for maximal information

209
00:12:31,980 --> 00:12:37,180
processing but there are also non neural

210
00:12:34,809 --> 00:12:42,609
correlates of consciousness Stuart

211
00:12:37,179 --> 00:12:49,120
Hameroff microtubules which are rather

212
00:12:42,610 --> 00:12:55,810
large quantum phenomena age Amash means

213
00:12:49,120 --> 00:12:58,089
living matrix which includes the field

214
00:12:55,809 --> 00:13:02,189

and quantum mechanical connections of

215

00:12:58,089 --> 00:13:08,440

the whole body Beverly Rubik bio field

216

00:13:02,190 --> 00:13:13,329

she's sitting here and on yet what are

217

00:13:08,440 --> 00:13:17,399

these structures related to they might

218

00:13:13,328 --> 00:13:21,558

register quantum effects

219

00:13:17,399 --> 00:13:25,379

and and that's the fundamental

220

00:13:21,558 --> 00:13:28,078

possibility I want to explore the other

221

00:13:25,379 --> 00:13:31,800

side of physical reality the quantum

222

00:13:28,078 --> 00:13:35,688

vacuum or plenum zero-point energy and I

223

00:13:31,799 --> 00:13:39,318

would suggest that what we need is a

224

00:13:35,688 --> 00:13:41,399

quantum gateway between source and

225

00:13:39,318 --> 00:13:43,618

manifestation between the conscious

226

00:13:41,399 --> 00:13:46,289

world and the world of complexity and

227

00:13:43,619 --> 00:13:52,199

I'm not making an ontological point

228

00:13:46,289 --> 00:13:56,009

there it's a causal point so how might

229
00:13:52,198 --> 00:13:59,669
that work if the electromagnetic

230
00:13:56,009 --> 00:14:02,610
oscillations in our brain are anything

231
00:13:59,669 --> 00:14:04,948
like the oscillations in an atom they

232
00:14:02,610 --> 00:14:10,678
have an organizing effect on vacuum

233
00:14:04,948 --> 00:14:13,469
fluctuations and so our brain in

234
00:14:10,678 --> 00:14:15,808
exploring alternative possibilities in

235
00:14:13,470 --> 00:14:17,819
its oscillations even before they come

236
00:14:15,808 --> 00:14:21,139
to consciousness would have this

237
00:14:17,818 --> 00:14:25,798
organizing effect just the way atoms do

238
00:14:21,139 --> 00:14:28,110
in the same way that atomic the electron

239
00:14:25,798 --> 00:14:31,528
the energy levels of electrons around

240
00:14:28,110 --> 00:14:34,259
the atomic nucleus are such as they are

241
00:14:31,528 --> 00:14:37,798
because of the relationship between the

242
00:14:34,259 --> 00:14:43,379
vacuum and and the product the real

243
00:14:37,798 --> 00:14:45,269
particles in the vacuum a and Ardis this

244
00:14:43,379 --> 00:14:47,699
relationship is described by wave

245
00:14:45,269 --> 00:14:50,369
functions in the same way the

246
00:14:47,698 --> 00:14:52,159
oscillations in our brains might also be

247
00:14:50,369 --> 00:14:54,059
described by wave functions the

248
00:14:52,159 --> 00:14:57,688
alternative options that we're

249
00:14:54,058 --> 00:15:00,928
considering those wave functions if

250
00:14:57,688 --> 00:15:04,578
explored consciously so to speak with

251
00:15:00,928 --> 00:15:08,639
the distributed attention involved in in

252
00:15:04,578 --> 00:15:11,128
sustaining all the possibilities might

253
00:15:08,639 --> 00:15:14,100
lead to conscious choice in one

254
00:15:11,129 --> 00:15:16,970
direction or another and so the collapse

255
00:15:14,100 --> 00:15:20,610
or decoherence of the wave function

256
00:15:16,970 --> 00:15:27,290
might have entangled give me two more

257

00:15:20,610 --> 00:15:30,430
minutes might allow for the

258
00:15:27,289 --> 00:15:34,329
possibility of an iterative

259
00:15:30,429 --> 00:15:38,669
of preference registered in the

260
00:15:34,330 --> 00:15:41,170
oscillations of the brain which are

261
00:15:38,669 --> 00:15:43,059
amplified to change the state of the

262
00:15:41,169 --> 00:15:46,588
brain so what are the broader

263
00:15:43,059 --> 00:15:49,469
implications I think this perspective

264
00:15:46,589 --> 00:15:53,980
illustrates just one possible theory

265
00:15:49,470 --> 00:15:55,690
that shows that a science of conscious

266
00:15:53,980 --> 00:15:58,360
systems might be feasible

267
00:15:55,690 --> 00:16:01,200
we need collaborative programs involving

268
00:15:58,360 --> 00:16:05,169
many disciplines to make this possible

269
00:16:01,200 --> 00:16:07,750
the implication if something like this

270
00:16:05,169 --> 00:16:09,958
turns out to be true is that there might

271
00:16:07,750 --> 00:16:13,000

actually be a coevolution of

272

00:16:09,958 --> 00:16:15,099
consciousness and complexity so that we

273

00:16:13,000 --> 00:16:16,778
get better and better vehicles of

274

00:16:15,100 --> 00:16:19,589
consciousness as our consciousness

275

00:16:16,778 --> 00:16:23,919
succeeds better and better and

276

00:16:19,589 --> 00:16:26,770
ultimately we might develop a theory of

277

00:16:23,919 --> 00:16:29,379
everything that includes consciousness

278

00:16:26,769 --> 00:16:32,740
as well as physical phenomena and to use

279

00:16:29,379 --> 00:16:35,350
Stewart Kaufman's term this would put us

280

00:16:32,740 --> 00:16:37,750
at home in the universe and provide us

281

00:16:35,350 --> 00:16:46,420
with a more integrated world deal thank

282

00:16:37,750 --> 00:16:48,149
you we have a little bit of time for

283

00:16:46,419 --> 00:16:50,500
questions

284

00:16:48,149 --> 00:16:52,750
yeah I agree completely with your

285

00:16:50,500 --> 00:16:54,940
objective do you visualize that it would

286
00:16:52,750 --> 00:16:56,440
result in equations that would predict

287
00:16:54,940 --> 00:16:59,529
things oh absolutely

288
00:16:56,440 --> 00:17:05,049
among the disciplines I list here would

289
00:16:59,528 --> 00:17:07,689
be quantum theorists and a bio of a mean

290
00:17:05,049 --> 00:17:13,178
to include biophysicist neuroscientists

291
00:17:07,689 --> 00:17:14,890
and necessarily that's not to say this

292
00:17:13,179 --> 00:17:18,900
solves the hard problem of consciousness

293
00:17:14,890 --> 00:17:21,850
and would reveal its nature

294
00:17:18,900 --> 00:17:25,360
Francesca McCartney yes under your

295
00:17:21,849 --> 00:17:28,049
conscious systems minimal attributes the

296
00:17:25,359 --> 00:17:30,459
world wide web has five out of the six

297
00:17:28,049 --> 00:17:33,490
minimal attributes would you consider

298
00:17:30,460 --> 00:17:36,610
the world wide web as a conscious system

299
00:17:33,490 --> 00:17:39,669
well I'd consider it as you might call

300
00:17:36,609 --> 00:17:43,899
it the neural correlates of bio

301
00:17:39,669 --> 00:17:48,020
spherical consciousness that is to say

302
00:17:43,900 --> 00:17:50,030
just as the nervous system emerged in

303
00:17:48,019 --> 00:17:53,329
multicellular organisms that were

304
00:17:50,029 --> 00:17:56,089
getting too complex to be efficient so

305
00:17:53,329 --> 00:17:59,058
the Internet has emerged in a society

306
00:17:56,089 --> 00:18:02,659
that's too complex to be efficient and

307
00:17:59,058 --> 00:18:05,329
the same mystery of consciousness may be

308
00:18:02,660 --> 00:18:15,110
associated with it if not now then

309
00:18:05,329 --> 00:18:19,519
eventually Bob John this is not so much

310
00:18:15,109 --> 00:18:22,548
a question of this speaker more of a

311
00:18:19,519 --> 00:18:25,308
comment and more pertaining to virtually

312
00:18:22,548 --> 00:18:30,950
everything we've been hearing the last

313
00:18:25,308 --> 00:18:35,629
few days we are as best I can summarize

314

00:18:30,950 --> 00:18:39,500
that attempting to make models of how

315
00:18:35,630 --> 00:18:43,940
consciousness perceives and for our

316
00:18:39,500 --> 00:18:48,859
business potentially influences physical

317
00:18:43,940 --> 00:18:52,880
reality my rhetorical question is given

318
00:18:48,859 --> 00:18:56,659
the amount of and and and disparity of

319
00:18:52,880 --> 00:18:59,450
effort we have put into that issue would

320
00:18:56,660 --> 00:19:03,519
it not be at least self consistent to

321
00:18:59,450 --> 00:19:07,370
compliment contemplate how consciousness

322
00:19:03,519 --> 00:19:11,168
constructs models of anything including

323
00:19:07,369 --> 00:19:14,689
of what I just said

324
00:19:11,169 --> 00:19:16,900
in fact wouldn't we quickly follow on

325
00:19:14,690 --> 00:19:20,630
through now not to a study of how

326
00:19:16,900 --> 00:19:23,929
consciousness affects reality but how

327
00:19:20,630 --> 00:19:27,799
consciousness models consciousness

328
00:19:23,929 --> 00:19:30,070

effects on reality and where do I stop

329

00:19:27,798 --> 00:19:35,179

there we can then go on to talk about

330

00:19:30,069 --> 00:19:38,529

how consciousness constructs models of

331

00:19:35,179 --> 00:19:41,320

consciousness constructing models of

332

00:19:38,529 --> 00:19:44,629

consciousness influencing reality

333

00:19:41,319 --> 00:19:47,000

because you see all of the concepts all

334

00:19:44,630 --> 00:19:49,580

of the vocabulary that has appeared in

335

00:19:47,000 --> 00:19:52,640

this business are inventions of our

336

00:19:49,579 --> 00:19:55,489

consciousness we are modeling the

337

00:19:52,640 --> 00:19:58,659

inventions of consciousness

338

00:19:55,489 --> 00:20:02,088

in an attempt to model from the get-go

339

00:19:58,659 --> 00:20:04,249

where does this all take you simply that

340

00:20:02,088 --> 00:20:08,960

you're digging yourself aggressively

341

00:20:04,249 --> 00:20:11,118

deeper epistemological hole here that is

342

00:20:08,960 --> 00:20:14,419

not likely to come out on the other end

343
00:20:11,118 --> 00:20:17,538
with anything terribly useful unless we

344
00:20:14,419 --> 00:20:25,519
show a little humility about our role on

345
00:20:17,538 --> 00:20:27,469
both sides of this issue I'm sure that's

346
00:20:25,519 --> 00:20:29,298
true that has to be our last question

347
00:20:27,469 --> 00:20:33,499
although the speaker may have something

348
00:20:29,298 --> 00:20:37,190
to say in reply I'm not sure well I I

349
00:20:33,499 --> 00:20:41,048
think that we all have different

350
00:20:37,190 --> 00:20:46,580
perspectives and yet we may be like the

351
00:20:41,048 --> 00:20:48,979
blind men around the elephant each

352
00:20:46,579 --> 00:20:51,858
seeing the part of the elephant he's in

353
00:20:48,979 --> 00:20:55,098
contact with and if we have that sense

354
00:20:51,858 --> 00:20:58,728
that we're all after an understanding of

355
00:20:55,098 --> 00:21:01,308
the same reality however its integrated

356
00:20:58,729 --> 00:21:03,469
we know that it's integrated or we

357

00:21:01,308 --> 00:21:06,918

wouldn't be here then we're working

358

00:21:03,469 --> 00:21:09,109

together at it rather than competing in

359

00:21:06,919 --> 00:21:11,899

our views and I think that attitude

360

00:21:09,108 --> 00:21:16,908

could lead to the kind of collaboration

361

00:21:11,898 --> 00:21:19,778

and worldview that we need to to really

362

00:21:16,909 --> 00:21:19,778

save the planet