



1
00:00:00,030 --> 00:00:10,180
I'll be talking today about a non-local

2
00:00:21,160 --> 00:00:17,150
form of psychic experience but local

3
00:00:25,370 --> 00:00:21,170
enough to be confined within our brains

4
00:00:26,330 --> 00:00:25,380
namely the way we communicate with

5
00:00:30,470 --> 00:00:26,340
ourselves

6
00:00:39,200 --> 00:00:30,480
and the way that's related to our brain

7
00:00:52,510 --> 00:00:39,210
process I think that the fundamental

8
00:00:56,709 --> 00:00:52,520
issue that they cart left to us was how

9
00:01:02,450 --> 00:00:56,719
in modern terms how complex systems

10
00:01:10,850 --> 00:01:02,460
which are open to external energy mass

11
00:01:13,370 --> 00:01:10,860
and so forth could register a conscious

12
00:01:16,429 --> 00:01:13,380
experience and how conscious experience

13
00:01:24,640 --> 00:01:16,439

could be informed by those complex

14

00:01:29,679 --> 00:01:24,650

systems so what I'd like to explore

15

00:01:36,800 --> 00:01:29,689

toward a a science of conscious systems

16

00:01:39,440 --> 00:01:36,810

is first of all what the domain of study

17

00:01:41,840 --> 00:01:39,450

ought to be every science I'm the

18

00:01:46,580 --> 00:01:41,850

philosopher of science needs an

19

00:01:50,120 --> 00:01:46,590

empirical domain so what what are the

20

00:01:53,749 --> 00:01:50,130

systems that might be conscious and I

21

00:01:57,560 --> 00:01:53,759

would say that there are candidates at

22

00:02:02,810 --> 00:01:57,570

just about every scale we're conscious

23

00:02:10,360 --> 00:02:02,820

of course our million friends are I'm

24

00:02:12,800 --> 00:02:10,370

sure the insects that Tom is at Dijkstra

25

00:02:16,309 --> 00:02:12,810

spoke of

26

00:02:22,569 --> 00:02:16,319

our conscious but ourselves conscious

27

00:02:31,580 --> 00:02:24,949

regulative principle would be to

28

00:02:34,729 --> 00:02:31,590

consider the whole spectrum third we

29

00:02:38,720 --> 00:02:34,739

have to ask how complex systems could

30

00:02:41,780 --> 00:02:38,730

interrelate with conscious experience

31

00:02:44,330 --> 00:02:41,790

and that conscious experience may be

32

00:02:47,360 --> 00:02:44,340

conceived as a separate substance as

33

00:02:52,660 --> 00:02:47,370

Descartes did it could be conceived of

34

00:02:55,970 --> 00:02:52,670

as an aspect of complex systems and/or

35

00:02:58,339 --> 00:02:55,980

consciousness and complexity may be seen

36

00:03:00,860 --> 00:02:58,349

as two different expressions of the same

37

00:03:04,190 --> 00:03:00,870

thing but however we conceive the

38

00:03:07,039 --> 00:03:04,200

ontology the question is how does our

39

00:03:09,740 --> 00:03:07,049

consciousness influence our brain and

40

00:03:12,680 --> 00:03:09,750

vice versa and that's a very real

41

00:03:16,659 --> 00:03:12,690

question from an evolutionary point of

42

00:03:20,539 --> 00:03:16,669

view because obviously consciousness or

43

00:03:23,150 --> 00:03:20,549

greater and greater degrees of it has

44

00:03:26,000 --> 00:03:23,160

proven to have an evolutionary function

45

00:03:34,479 --> 00:03:26,010

or our brains would not have evolved the

46

00:03:40,250 --> 00:03:34,489

way they have so finally I want to

47

00:03:43,580 --> 00:03:40,260

explore just what kinds of scientific

48

00:03:50,720 --> 00:03:43,590

programs could actually study such

49

00:03:53,030 --> 00:03:50,730

issues so to begin with let's consider

50

00:03:56,270 --> 00:03:53,040

the possible candidates for conscious

51
00:03:59,180 --> 00:03:56,280
systems is consciousness limited to

52
00:04:01,369 --> 00:03:59,190
mammals or vertebrates if so is there

53
00:04:04,129 --> 00:04:01,379
consciousness associated with all the

54
00:04:06,710 --> 00:04:04,139
information processing inherent in their

55
00:04:08,960 --> 00:04:06,720
bodies or associated more directly with

56
00:04:11,180 --> 00:04:08,970
their nervous systems brains the

57
00:04:13,339 --> 00:04:11,190
computational sophistication of their

58
00:04:16,009 --> 00:04:13,349
brains certain brain structures or

59
00:04:19,610 --> 00:04:16,019
certain patterns of brain activity such

60
00:04:21,949 --> 00:04:19,620
as coherently firing neurons do plants

61
00:04:24,140 --> 00:04:21,959
and fungi have their own forms of

62
00:04:26,030 --> 00:04:24,150
consciousness our single cells such as

63
00:04:28,790 --> 00:04:26,040

unicellular

64

00:04:31,850 --> 00:04:28,800

it's bacterial colonial cells or cells

65

00:04:34,250 --> 00:04:31,860

within multicellular organisms conscious

66

00:04:36,560 --> 00:04:34,260

what about the fundamental particles

67

00:04:38,690 --> 00:04:36,570

atoms and ions molecules and

68

00:04:41,300 --> 00:04:38,700

macromolecules electrical and magnetic

69

00:04:44,000 --> 00:04:41,310

fields electromagnetic radiation

70

00:04:46,480 --> 00:04:44,010

electric currents and other constituents

71

00:04:49,880 --> 00:04:46,490

of conscious systems are they conscious

72

00:04:52,970 --> 00:04:49,890

and what I'm trying to do is to stretch

73

00:04:57,830 --> 00:04:52,980

our imaginations as to the possible

74

00:05:01,160 --> 00:04:57,840

conscious systems to then try to limit

75

00:05:03,410 --> 00:05:01,170

the domain of conscious systems to talk

76

00:05:06,650 --> 00:05:03,420

about what such a science would be like

77

00:05:09,110 --> 00:05:06,660

do the super positions of the states of

78

00:05:11,420 --> 00:05:09,120

certain bodily components that are

79

00:05:13,460 --> 00:05:11,430

described by wave functions such as the

80

00:05:16,520 --> 00:05:13,470

alternative states of allosteric

81

00:05:18,950 --> 00:05:16,530

proteins and microtubules constitute

82

00:05:21,110 --> 00:05:18,960

conscious systems is the universe or

83

00:05:23,780 --> 00:05:21,120

multiverse considered as a system

84

00:05:26,480 --> 00:05:23,790

conscious in its own right over and

85

00:05:29,720 --> 00:05:26,490

above the consciousness of any of its

86

00:05:32,330 --> 00:05:29,730

subsystems you'll recognize that is the

87

00:05:35,090 --> 00:05:32,340

question of God's existence

88

00:05:40,450 --> 00:05:35,100

are there any systems or phenomena which

89

00:05:49,910 --> 00:05:47,750

which are conscious do lovers families

90

00:05:52,940 --> 00:05:49,920

businesses interest groups community

91

00:05:56,300 --> 00:05:52,950

societies or civilization enjoy a form

92

00:06:01,220 --> 00:05:56,310

of shared consciousness Bob John once

93

00:06:04,880 --> 00:06:01,230

suggested that in in in I I think it was

94

00:06:10,120 --> 00:06:04,890

in remote viewing experiments that the

95

00:06:13,760 --> 00:06:10,130

the or telepathic experiments I I forget

96

00:06:18,700 --> 00:06:13,770

whether the remote participants were

97

00:06:27,430 --> 00:06:22,510

that's always the question when certain

98

00:06:31,240 --> 00:06:27,440

phenomena seem to transcend our our own

99

00:06:34,700 --> 00:06:31,250

individuality our ecosystems or the

100

00:06:38,899 --> 00:06:34,710

biosphere conscious can sophisticated

101
00:06:44,209 --> 00:06:38,909
robots be conscious so

102
00:06:49,089 --> 00:06:44,219
of all these possibilities what specific

103
00:06:54,190 --> 00:06:49,099
kinds of experience or organization

104
00:06:55,480 --> 00:06:54,200
should we consider as essential to

105
00:06:58,519 --> 00:06:55,490
[Music]

106
00:07:01,040 --> 00:06:58,529
conscious systems well obviously they

107
00:07:04,459 --> 00:07:01,050
have experience and what I would also

108
00:07:10,399 --> 00:07:04,469
suggest is that they have memory because

109
00:07:15,499 --> 00:07:10,409
if we're conscious in isolation from

110
00:07:18,559 --> 00:07:15,509
memory then we will not be applying our

111
00:07:21,829 --> 00:07:18,569
past experience in any way and we won't

112
00:07:25,609 --> 00:07:21,839
be conscious in the context that might

113
00:07:28,969 --> 00:07:25,619

qualify as pure consciousness without an

114

00:07:31,579 --> 00:07:28,979

object and without an identity but how

115

00:07:35,449 --> 00:07:31,589

would that consciousness even know it

116

00:07:37,969 --> 00:07:35,459

exists if it didn't have a memory to

117

00:07:42,230 --> 00:07:37,979

consider the question in the context of

118

00:07:45,249 --> 00:07:42,240

so I'll make that assumption for the

119

00:07:49,029 --> 00:07:45,259

time being and that by the way implies

120

00:07:52,999 --> 00:07:49,039

certain kinds of physicality or

121

00:07:55,389 --> 00:07:53,009

materiality even in other dimensions but

122

00:07:57,679 --> 00:07:55,399

certain kinds of materiality are

123

00:08:00,529 --> 00:07:57,689

associated with conscious systems and

124

00:08:01,639 --> 00:08:00,539

that's why I'm using the term systems in

125

00:08:06,319 --> 00:08:01,649

the first place

126

00:08:13,129 --> 00:08:06,329

now what kinds of systems would they be

127

00:08:15,019 --> 00:08:13,139

well they would be the conscious systems

128

00:08:17,540 --> 00:08:15,029

would interact with the mass and energy

129

00:08:20,089 --> 00:08:17,550

of their environment because clearly

130

00:08:22,519 --> 00:08:20,099

their open systems if they do quantum

131

00:08:25,040 --> 00:08:22,529

measurement if they register the

132

00:08:29,689 --> 00:08:25,050

collapse of wave functions or however we

133

00:08:33,499 --> 00:08:29,699

conceive it that requires energy and if

134

00:08:36,379 --> 00:08:33,509

they have to be more or less organized

135

00:08:39,319 --> 00:08:36,389

to store that information and to

136

00:08:42,679 --> 00:08:39,329

organize their conscious responses their

137

00:08:44,629 --> 00:08:42,689

behavior then they have to be far from

138

00:08:47,629 --> 00:08:44,639

the equilibrium they have to sustain

139

00:08:52,880 --> 00:08:47,639

steady States they have to be sensitive

140

00:08:56,460 --> 00:08:52,890

to perturbations and more generally

141

00:08:59,600 --> 00:08:56,470

such systems are interactive with and

142

00:09:03,090 --> 00:08:59,610

informed by internal and external

143

00:09:06,000 --> 00:09:03,100

systems and phenomena at many scales and

144

00:09:08,460 --> 00:09:06,010

degrees of organization including other

145

00:09:11,790 --> 00:09:08,470

conscious systems which are always in in

146

00:09:16,560 --> 00:09:11,800

our environment and vacuum fluctuations

147

00:09:19,320 --> 00:09:16,570

which since Bernie high C's work with

148

00:09:22,470 --> 00:09:19,330

how put off and so forth we should never

149

00:09:26,280 --> 00:09:22,480

forget every atom is bathed in the

150

00:09:28,470 --> 00:09:26,290

vacuum so are our brains and so

151

00:09:32,640 --> 00:09:28,480

ourselves and we have to ask what

152

00:09:35,579 --> 00:09:32,650

significance that has assist conscious

153

00:09:38,640 --> 00:09:35,589

systems just like any others don't exist

154

00:09:44,700 --> 00:09:38,650

if you'll forgive the fund of the pun in

155

00:09:48,480 --> 00:09:44,710

in a vacuum so what do conscious systems

156

00:09:51,690 --> 00:09:48,490

do most importantly they evaluate

157

00:09:54,810 --> 00:09:51,700

options construct patterns and initiate

158

00:09:57,630 --> 00:09:54,820

causal series in potentially creative

159

00:10:00,720 --> 00:09:57,640

and effective responses to considered

160

00:10:04,340 --> 00:10:00,730

aspects of their environment and history

161

00:10:09,570 --> 00:10:04,350

that's something of a formal definition

162

00:10:12,990 --> 00:10:09,580

in terms of cognitive science concerns

163

00:10:16,500 --> 00:10:13,000

they reveal imaginative emotive

164

00:10:22,579 --> 00:10:16,510

cognitive and executive functions or

165

00:10:24,990 --> 00:10:22,589

something like that so my approach at my

166

00:10:29,490 --> 00:10:25,000

Institute for the Study of conscious

167

00:10:34,800 --> 00:10:29,500

systems is along the lines of the

168

00:10:38,070 --> 00:10:34,810

acronym AIESEC Azam that is I think we

169

00:10:40,490 --> 00:10:38,080

should treat every different scale that

170

00:10:45,510 --> 00:10:40,500

from the microcosm to the macrocosm

171

00:10:48,270 --> 00:10:45,520

equally so the AIESEC Azam then is the

172

00:10:50,490 --> 00:10:48,280

full spectrum of levels of organization

173

00:10:52,829 --> 00:10:50,500

in the universe ranging from the

174

00:10:56,040 --> 00:10:52,839

smallest spatial or temporal scales the

175

00:10:58,199 --> 00:10:56,050

microcosm to the largest viewed without

176

00:11:00,690 --> 00:10:58,209

prejudice as to their possible or

177

00:11:02,850 --> 00:11:00,700

potential ability to harness or

178

00:11:05,100 --> 00:11:02,860

synergized with the capacity of the

179

00:11:10,410 --> 00:11:05,110

universe around them in conscious

180

00:11:12,750 --> 00:11:10,420

experience and behavior so what then is

181

00:11:16,829 --> 00:11:12,760

the relationship between consciousness

182

00:11:19,260 --> 00:11:16,839

and electromagnetic complexity in such

183

00:11:21,420 --> 00:11:19,270

conscious systems let's consider the

184

00:11:24,780 --> 00:11:21,430

case of human beings with the

185

00:11:27,210 --> 00:11:24,790

understanding that atoms and cells and

186

00:11:33,000 --> 00:11:27,220

the universe as a whole or God might

187

00:11:36,260 --> 00:11:33,010

also be conscious well even the Nobel

188

00:11:40,770 --> 00:11:36,270

laureate Francis Crick an arch

189

00:11:42,840 --> 00:11:40,780

materialist if there ever were one spoke

190

00:11:45,569 --> 00:11:42,850

of the neural correlates of

191

00:11:48,510 --> 00:11:45,579

consciousness and he was interested in

192

00:11:52,440 --> 00:11:48,520

forty Hertz waves and so forth he

193

00:11:56,970 --> 00:11:52,450

changed his views later on but another

194

00:12:02,190 --> 00:11:56,980

Nobel laureate Gerald Adelman emphasized

195

00:12:06,860 --> 00:12:02,200

the thalamocortical oscillations in the

196

00:12:10,170 --> 00:12:06,870

forty Hertz range not only because

197

00:12:12,660 --> 00:12:10,180

there's more or less coherent firing

198

00:12:16,250 --> 00:12:12,670

during non specific and specific

199

00:12:19,920 --> 00:12:16,260

conscious experience but also because

200

00:12:22,290 --> 00:12:19,930

there's such a richness of complexity in

201
00:12:24,360 --> 00:12:22,300
this Olano cortical oscillations

202
00:12:27,390 --> 00:12:24,370
there's the correlation but there's also

203
00:12:29,760 --> 00:12:27,400
the independence of firing and he

204
00:12:31,970 --> 00:12:29,770
thought that that would provide the

205
00:12:34,800 --> 00:12:31,980
opportunity for maximal information

206
00:12:37,170 --> 00:12:34,810
processing but there are also non neural

207
00:12:42,600 --> 00:12:37,180
correlates of consciousness Stuart

208
00:12:49,110 --> 00:12:42,610
Hameroff microtubules which are rather

209
00:12:55,800 --> 00:12:49,120
large quantum phenomena age Amash means

210
00:12:58,079 --> 00:12:55,810
living matrix which includes the field

211
00:13:02,180 --> 00:12:58,089
and quantum mechanical connections of

212
00:13:08,430 --> 00:13:02,190
the whole body Beverly Rubik bio field

213
00:13:13,319 --> 00:13:08,440

she's sitting here and on yet what are

214

00:13:17,389 --> 00:13:13,329

these structures related to they might

215

00:13:21,549 --> 00:13:17,399

register quantum effects

216

00:13:25,369 --> 00:13:21,559

and and that's the fundamental

217

00:13:28,069 --> 00:13:25,379

possibility I want to explore the other

218

00:13:31,790 --> 00:13:28,079

side of physical reality the quantum

219

00:13:35,679 --> 00:13:31,800

vacuum or plenum zero-point energy and I

220

00:13:39,309 --> 00:13:35,689

would suggest that what we need is a

221

00:13:41,389 --> 00:13:39,319

quantum gateway between source and

222

00:13:43,609 --> 00:13:41,399

manifestation between the conscious

223

00:13:46,280 --> 00:13:43,619

world and the world of complexity and

224

00:13:52,189 --> 00:13:46,290

I'm not making an ontological point

225

00:13:55,999 --> 00:13:52,199

there it's a causal point so how might

226

00:13:59,660 --> 00:13:56,009

that work if the electromagnetic

227

00:14:02,600 --> 00:13:59,670

oscillations in our brain are anything

228

00:14:04,939 --> 00:14:02,610

like the oscillations in an atom they

229

00:14:10,669 --> 00:14:04,949

have an organizing effect on vacuum

230

00:14:13,460 --> 00:14:10,679

fluctuations and so our brain in

231

00:14:15,799 --> 00:14:13,470

exploring alternative possibilities in

232

00:14:17,809 --> 00:14:15,809

its oscillations even before they come

233

00:14:21,129 --> 00:14:17,819

to consciousness would have this

234

00:14:25,789 --> 00:14:21,139

organizing effect just the way atoms do

235

00:14:28,100 --> 00:14:25,799

in the same way that atomic the electron

236

00:14:31,519 --> 00:14:28,110

the energy levels of electrons around

237

00:14:34,249 --> 00:14:31,529

the atomic nucleus are such as they are

238

00:14:37,789 --> 00:14:34,259

because of the relationship between the

239

00:14:43,369 --> 00:14:37,799

vacuum and the product the real

240

00:14:45,259 --> 00:14:43,379

particles in the vacuum a and Ardis this

241

00:14:47,689 --> 00:14:45,269

relationship is described by wave

242

00:14:50,359 --> 00:14:47,699

functions in the same way the

243

00:14:52,150 --> 00:14:50,369

oscillations in our brains might also be

244

00:14:54,049 --> 00:14:52,160

described by wave functions the

245

00:14:57,679 --> 00:14:54,059

alternative options that we're

246

00:15:00,919 --> 00:14:57,689

considering those wave functions if

247

00:15:04,569 --> 00:15:00,929

explored consciously so to speak with

248

00:15:08,629 --> 00:15:04,579

the distributed attention involved in in

249

00:15:11,119 --> 00:15:08,639

sustaining all the possibilities might

250

00:15:14,090 --> 00:15:11,129

lead to conscious choice in one

251
00:15:16,960 --> 00:15:14,100
direction or another and so the collapse

252
00:15:20,600 --> 00:15:16,970
or decoherence of the wave function

253
00:15:27,280 --> 00:15:20,610
might have entangled give me two more

254
00:15:30,420 --> 00:15:27,290
minutes might allow for the

255
00:15:34,320 --> 00:15:30,430
possibility of an iterative

256
00:15:38,660 --> 00:15:34,330
of preference registered in the

257
00:15:41,160 --> 00:15:38,670
oscillations of the brain which are

258
00:15:43,050 --> 00:15:41,170
amplified to change the state of the

259
00:15:46,579 --> 00:15:43,060
brain so what are the broader

260
00:15:49,460 --> 00:15:46,589
implications I think this perspective

261
00:15:53,970 --> 00:15:49,470
illustrates just one possible theory

262
00:15:55,680 --> 00:15:53,980
that shows that a science of conscious

263
00:15:58,350 --> 00:15:55,690

systems might be feasible

264

00:16:01,190 --> 00:15:58,360

we need collaborative programs involving

265

00:16:05,160 --> 00:16:01,200

many disciplines to make this possible

266

00:16:07,740 --> 00:16:05,170

the implication if something like this

267

00:16:09,949 --> 00:16:07,750

turns out to be true is that there might

268

00:16:12,990 --> 00:16:09,959

actually be a coevolution of

269

00:16:15,090 --> 00:16:13,000

consciousness and complexity so that we

270

00:16:16,769 --> 00:16:15,100

get better and better vehicles of

271

00:16:19,579 --> 00:16:16,779

consciousness as our consciousness

272

00:16:23,910 --> 00:16:19,589

succeeds better and better and

273

00:16:26,760 --> 00:16:23,920

ultimately we might develop a theory of

274

00:16:29,370 --> 00:16:26,770

everything that includes consciousness

275

00:16:32,730 --> 00:16:29,380

as well as physical phenomena and to use

276

00:16:35,340 --> 00:16:32,740

Stewart Kaufman's term this would put us

277

00:16:37,740 --> 00:16:35,350

at home in the universe and provide us

278

00:16:46,410 --> 00:16:37,750

with a more integrated world deal thank

279

00:16:48,140 --> 00:16:46,420

you we have a little bit of time for

280

00:16:50,490 --> 00:16:48,150

questions

281

00:16:52,740 --> 00:16:50,500

yeah I agree completely with your

282

00:16:54,930 --> 00:16:52,750

objective do you visualize that it would

283

00:16:56,430 --> 00:16:54,940

result in equations that would predict

284

00:16:59,519 --> 00:16:56,440

things oh absolutely

285

00:17:05,040 --> 00:16:59,529

among the disciplines I list here would

286

00:17:07,679 --> 00:17:05,050

be quantum theorists and a bio of a mean

287

00:17:13,169 --> 00:17:07,689

to include biophysicist neuroscientists

288

00:17:14,880 --> 00:17:13,179

and necessarily that's not to say this

289

00:17:18,890 --> 00:17:14,890

solves the hard problem of consciousness

290

00:17:21,840 --> 00:17:18,900

and would reveal its nature

291

00:17:25,350 --> 00:17:21,850

Francesca McCartney yes under your

292

00:17:28,040 --> 00:17:25,360

conscious systems minimal attributes the

293

00:17:30,450 --> 00:17:28,050

world wide web has five out of the six

294

00:17:33,480 --> 00:17:30,460

minimal attributes would you consider

295

00:17:36,600 --> 00:17:33,490

the world wide web as a conscious system

296

00:17:39,659 --> 00:17:36,610

well I'd consider it as you might call

297

00:17:43,890 --> 00:17:39,669

it the neural correlates of bio

298

00:17:48,010 --> 00:17:43,900

spherical consciousness that is to say

299

00:17:50,020 --> 00:17:48,020

just as the nervous system emerged in

300

00:17:53,320 --> 00:17:50,030

multicellular organisms that were

301

00:17:56,080 --> 00:17:53,330

getting too complex to be efficient so

302

00:17:59,049 --> 00:17:56,090

the Internet has emerged in a society

303

00:18:02,650 --> 00:17:59,059

that's too complex to be efficient and

304

00:18:05,320 --> 00:18:02,660

the same mystery of consciousness may be

305

00:18:15,100 --> 00:18:05,330

associated with it if not now then

306

00:18:19,510 --> 00:18:15,110

eventually Bob John this is not so much

307

00:18:22,539 --> 00:18:19,520

a question of this speaker more of a

308

00:18:25,299 --> 00:18:22,549

comment and more pertaining to virtually

309

00:18:30,940 --> 00:18:25,309

everything we've been hearing the last

310

00:18:35,620 --> 00:18:30,950

few days we are as best I can summarize

311

00:18:39,490 --> 00:18:35,630

that attempting to make models of how

312

00:18:43,930 --> 00:18:39,500

consciousness perceives and for our

313

00:18:48,850 --> 00:18:43,940

business potentially influences physical

314

00:18:52,870 --> 00:18:48,860

reality my rhetorical question is given

315

00:18:56,650 --> 00:18:52,880

the amount of and and and disparity of

316

00:18:59,440 --> 00:18:56,660

effort we have put into that issue would

317

00:19:03,510 --> 00:18:59,450

it not be at least self consistent to

318

00:19:07,360 --> 00:19:03,520

compliment contemplate how consciousness

319

00:19:11,159 --> 00:19:07,370

constructs models of anything including

320

00:19:14,680 --> 00:19:11,169

of what I just said

321

00:19:16,890 --> 00:19:14,690

in fact wouldn't we quickly follow on

322

00:19:20,620 --> 00:19:16,900

through now not to a study of how

323

00:19:23,919 --> 00:19:20,630

consciousness affects reality but how

324

00:19:27,789 --> 00:19:23,929

consciousness models consciousness

325

00:19:30,060 --> 00:19:27,799

effects on reality and where do I stop

326

00:19:35,169 --> 00:19:30,070

there we can then go on to talk about

327

00:19:38,520 --> 00:19:35,179

how consciousness constructs models of

328

00:19:41,310 --> 00:19:38,530

consciousness constructing models of

329

00:19:44,620 --> 00:19:41,320

consciousness influencing reality

330

00:19:46,990 --> 00:19:44,630

because you see all of the concepts all

331

00:19:49,570 --> 00:19:47,000

of the vocabulary that has appeared in

332

00:19:52,630 --> 00:19:49,580

this business are inventions of our

333

00:19:55,479 --> 00:19:52,640

consciousness we are modeling the

334

00:19:58,649 --> 00:19:55,489

inventions of consciousness

335

00:20:02,079 --> 00:19:58,659

in an attempt to model from the get-go

336

00:20:04,239 --> 00:20:02,089

where does this all take you simply that

337

00:20:08,950 --> 00:20:04,249

you're digging yourself aggressively

338

00:20:11,109 --> 00:20:08,960

deeper epistemological hole here that is

339

00:20:14,409 --> 00:20:11,119

not likely to come out on the other end

340

00:20:17,529 --> 00:20:14,419

with anything terribly useful unless we

341

00:20:25,509 --> 00:20:17,539

show a little humility about our role on

342

00:20:27,459 --> 00:20:25,519

both sides of this issue I'm sure that's

343

00:20:29,289 --> 00:20:27,469

true that has to be our last question

344

00:20:33,489 --> 00:20:29,299

although the speaker may have something

345

00:20:37,180 --> 00:20:33,499

to say in reply I'm not sure well I I

346

00:20:41,039 --> 00:20:37,190

think that we all have different

347

00:20:46,570 --> 00:20:41,049

perspectives and yet we may be like the

348

00:20:48,969 --> 00:20:46,580

blind men around the elephant each

349

00:20:51,849 --> 00:20:48,979

seeing the part of the elephant he's in

350

00:20:55,089 --> 00:20:51,859

contact with and if we have that sense

351

00:20:58,719 --> 00:20:55,099

that we're all after an understanding of

352

00:21:01,299 --> 00:20:58,729

the same reality however its integrated

353

00:21:03,459 --> 00:21:01,309

we know that it's integrated or we

354

00:21:06,909 --> 00:21:03,469

wouldn't be here then we're working

355

00:21:09,099 --> 00:21:06,919

together at it rather than competing in

356

00:21:11,889 --> 00:21:09,109

our views and I think that attitude

357

00:21:16,899 --> 00:21:11,899

could lead to the kind of collaboration