

IAIN
McGILCHRIST



HAVING NO
SELF



1
00:00:06,470 --> 00:00:04,150
let me say quite genuinely that you do

2
00:00:08,230 --> 00:00:06,480
your your questions are some of the best

3
00:00:11,110 --> 00:00:08,240
um

4
00:00:11,990 --> 00:00:11,120
they target very important areas and no

5
00:00:13,669 --> 00:00:12,000
i think you're

6
00:00:15,589 --> 00:00:13,679
you know from that point of view you're

7
00:00:17,910 --> 00:00:15,599
one of the best interviewers that i've

8
00:00:22,550 --> 00:00:17,920
come across so thank you i could talk to

9
00:00:27,029 --> 00:00:24,870
ian mcgillcrist is a psychiatrist a

10
00:00:28,550 --> 00:00:27,039
writer and a former oxford scholar

11
00:00:30,710 --> 00:00:28,560
who came into prominence after the

12
00:00:32,630 --> 00:00:30,720
publication of his book master and its

13
00:00:33,110 --> 00:00:32,640

emissary which is a fantastic book by

14

00:00:35,670 --> 00:00:33,120

the way

15

00:00:37,270 --> 00:00:35,680

links are in the description this book

16

00:00:38,950 --> 00:00:37,280

is about the fundamental realities we

17

00:00:41,190 --> 00:00:38,960

experience that are different

18

00:00:43,270 --> 00:00:41,200

complementary yet incompatible and

19

00:00:45,350 --> 00:00:43,280

rooted in the by-hemispheric structures

20

00:00:46,630 --> 00:00:45,360

of the brain each time i think i can't

21

00:00:49,029 --> 00:00:46,640

top a podcast

22

00:00:49,990 --> 00:00:49,039

somehow the guest surprises me and ian

23

00:00:51,670 --> 00:00:50,000

is no different

24

00:00:53,830 --> 00:00:51,680

we touch on the problem of the modern

25

00:00:56,069 --> 00:00:53,840

world with its overemphasis on

26
00:00:57,430 --> 00:00:56,079
rational mechanistic explanations while

27
00:00:59,670 --> 00:00:57,440
it simultaneously

28
00:01:00,790 --> 00:00:59,680
s choose meaning we also talk about

29
00:01:02,869 --> 00:01:00,800
consciousness

30
00:01:04,630 --> 00:01:02,879
and how can one be a moral person if

31
00:01:06,230 --> 00:01:04,640
there are no objective truths are there

32
00:01:07,750 --> 00:01:06,240
objective truths we also talk about

33
00:01:09,670 --> 00:01:07,760
schizophrenia and i get

34
00:01:11,270 --> 00:01:09,680
fairly personal in this interview and

35
00:01:14,070 --> 00:01:11,280
the reason is that

36
00:01:14,710 --> 00:01:14,080
i am driven by the screenwriting adage

37
00:01:17,510 --> 00:01:14,720
which says

38
00:01:18,710 --> 00:01:17,520

the more general the pain the less

39

00:01:20,630 --> 00:01:18,720

personal it is and the more

40

00:01:22,310 --> 00:01:20,640

personal the pain the more general it is

41

00:01:24,550 --> 00:01:22,320

this means that ultimately people will

42

00:01:26,149 --> 00:01:24,560

relate more to someone speaking their

43

00:01:28,710 --> 00:01:26,159

experience earnestly

44

00:01:29,510 --> 00:01:28,720

and candidly rather than generic

45

00:01:31,190 --> 00:01:29,520

platitudes

46

00:01:33,030 --> 00:01:31,200

unfortunately there were connectivity

47

00:01:34,550 --> 00:01:33,040

issues with zoom as usual

48

00:01:36,550 --> 00:01:34,560

and some of his points were crushed

49

00:01:37,990 --> 00:01:36,560

omitted or overly compressed

50

00:01:40,149 --> 00:01:38,000

there's very little that can be done

51
00:01:42,469 --> 00:01:40,159
about this because for whatever reason

52
00:01:44,149 --> 00:01:42,479
the backup recording on ian's end

53
00:01:45,429 --> 00:01:44,159
stopped if you would like to contribute

54
00:01:47,270 --> 00:01:45,439
to watching or listening

55
00:01:48,670 --> 00:01:47,280
to more conversations like this then

56
00:01:51,590 --> 00:01:48,680
please consider visiting

57
00:01:53,510 --> 00:01:51,600
patreon.com slash kurt jaymungal every

58
00:01:54,870 --> 00:01:53,520
dollar helps not only financially but

59
00:01:58,550 --> 00:01:54,880
motivationally

60
00:02:00,310 --> 00:01:58,560
thank you so much enjoy

61
00:02:01,590 --> 00:02:00,320
i've heard about your book i don't

62
00:02:03,030 --> 00:02:01,600
remember exactly where i heard about

63
00:02:04,950 --> 00:02:03,040

your book master and it's emissary and i

64

00:02:06,870 --> 00:02:04,960

believe i even came to watch the film

65

00:02:08,150 --> 00:02:06,880

version of it maybe one of the first

66

00:02:09,430 --> 00:02:08,160

screenings of it where you had some

67

00:02:11,670 --> 00:02:09,440

laptop trouble

68

00:02:12,470 --> 00:02:11,680

and you were skypeing live to us the

69

00:02:14,710 --> 00:02:12,480

movie was

70

00:02:15,589 --> 00:02:14,720

was okay but the book the movie doesn't

71

00:02:18,150 --> 00:02:15,599

sell the book

72

00:02:18,949 --> 00:02:18,160

the book is a fascinating fascinating

73

00:02:22,229 --> 00:02:18,959

it's a it's

74

00:02:24,229 --> 00:02:22,239

it's a frightening book at least i find

75

00:02:26,550 --> 00:02:24,239

it to be so i find it to be unnerving

76
00:02:27,589 --> 00:02:26,560
and subversive we can talk about why i

77
00:02:29,270 --> 00:02:27,599
find it

78
00:02:31,750 --> 00:02:29,280
to be that later this channel is about

79
00:02:33,030 --> 00:02:31,760
theories of everything and

80
00:02:34,949 --> 00:02:33,040
usually that involves talking to

81
00:02:36,790 --> 00:02:34,959
physicists string theories included and

82
00:02:38,550 --> 00:02:36,800
so on and so on but

83
00:02:39,830 --> 00:02:38,560
um the way that i conceptualize the

84
00:02:42,229 --> 00:02:39,840
theory of everything is

85
00:02:44,710 --> 00:02:42,239
there's no english word for it there's a

86
00:02:46,869 --> 00:02:44,720
german word it's called veltan

87
00:02:48,470 --> 00:02:46,879
that means a framework through which to

88
00:02:50,150 --> 00:02:48,480

interpret the world

89

00:02:51,509 --> 00:02:50,160

it's like it's more than a world view a

90

00:02:53,190 --> 00:02:51,519

world view would be not selling it

91

00:02:56,150 --> 00:02:53,200

properly and i believe you have a

92

00:02:56,630 --> 00:02:56,160

i believe you have a veltan xiaong and

93

00:03:02,390 --> 00:02:56,640

it's

94

00:03:04,390 --> 00:03:02,400

i don't know how you did it i also i

95

00:03:05,589 --> 00:03:04,400

also have a gaza

96

00:03:10,630 --> 00:03:05,599

[Laughter]

97

00:03:13,190 --> 00:03:10,640

what's that a theory of everything

98

00:03:13,990 --> 00:03:13,200

okay well this is a great time to give

99

00:03:15,910 --> 00:03:14,000

the audience

100

00:03:20,630 --> 00:03:15,920

a quick recapitulation of your main

101
00:03:20,640 --> 00:03:24,309

yes

102
00:03:31,750 --> 00:03:29,509

effectively people think

103
00:03:34,630 --> 00:03:31,760

that they noticed there was a difference

104
00:03:37,589 --> 00:03:34,640

between the two halves of the brain

105
00:03:40,470 --> 00:03:37,599

in the late 19th century and then this

106
00:03:43,190 --> 00:03:40,480

took a step forward in the 1960s and 70s

107
00:03:46,309 --> 00:03:43,200

with the first split brain operations

108
00:03:49,750 --> 00:03:46,319

in california

109
00:03:51,910 --> 00:03:49,760

in which people's brains were surgically

110
00:03:53,190 --> 00:03:51,920

severed in the middle the connection

111
00:03:54,550 --> 00:03:53,200

between the two halves of the bearing

112
00:03:57,110 --> 00:03:54,560

the corpus callosum

113
00:03:59,110 --> 00:03:57,120

was severed and so it was possible to

114

00:04:00,550 --> 00:03:59,120

interrogate and to investigate one

115

00:04:02,470 --> 00:04:00,560

hemisphere at a time

116

00:04:04,710 --> 00:04:02,480

and a number of theories arose out of

117

00:04:05,429 --> 00:04:04,720

that and most of them are now considered

118

00:04:13,190 --> 00:04:05,439

wrong

119

00:04:14,869 --> 00:04:13,200

but the problem that we have to

120

00:04:16,789 --> 00:04:14,879

rather different hemispheres doesn't go

121

00:04:19,590 --> 00:04:16,799

away why

122

00:04:20,710 --> 00:04:19,600

if the brain gets its power from making

123

00:04:23,189 --> 00:04:20,720

connections

124

00:04:24,629 --> 00:04:23,199

should there be an enormous divide right

125

00:04:26,390 --> 00:04:24,639

down the middle of it

126

00:04:28,390 --> 00:04:26,400

and this is not just for humans this is

127

00:04:31,990 --> 00:04:28,400

for all animals to be studied

128

00:04:32,710 --> 00:04:32,000

they all have an asymmetrical neuronal

129

00:04:34,550 --> 00:04:32,720

network

130

00:04:37,030 --> 00:04:34,560

with some kind of division between the

131

00:04:41,670 --> 00:04:37,040

parts so

132

00:04:43,830 --> 00:04:41,680

i set about investigating that and

133

00:04:46,550 --> 00:04:43,840

it occurred to me that what was the

134

00:04:48,390 --> 00:04:46,560

difference was the need to pay attention

135

00:04:49,590 --> 00:04:48,400

to the world in two different ways at

136

00:04:51,270 --> 00:04:49,600

once

137

00:04:53,430 --> 00:04:51,280

and that's a very important point

138

00:04:55,990 --> 00:04:53,440

because how we attend to things

139

00:04:57,590 --> 00:04:56,000

changes what we find not just whether

140

00:05:00,230 --> 00:04:57,600

we're aware of them

141

00:05:02,469 --> 00:05:00,240

but the quality of the awareness changes

142

00:05:04,629 --> 00:05:02,479

what it is that we find there

143

00:05:05,670 --> 00:05:04,639

and it also changes us who are doing the

144

00:05:09,110 --> 00:05:05,680

finding

145

00:05:25,749 --> 00:05:09,120

so attention is a moral act it creates

146

00:05:29,670 --> 00:05:27,670

different ways they will bring into

147

00:05:33,749 --> 00:05:29,680

being two different

148

00:05:37,749 --> 00:05:33,759

versions if you like of reality and

149

00:05:40,310 --> 00:05:37,759

i then started investigating 20 30 years

150

00:05:42,070 --> 00:05:40,320

what these differences were and

151
00:05:44,070 --> 00:05:42,080
effectively they aren't what people used

152
00:05:46,150 --> 00:05:44,080
to say they used to think it was

153
00:05:47,189 --> 00:05:46,160
you know as you think of a machine well

154
00:05:49,670 --> 00:05:47,199
what does it do

155
00:05:51,590 --> 00:05:49,680
well the left hemisphere does language

156
00:05:53,670 --> 00:05:51,600
and reason and the right hemisphere does

157
00:05:55,670 --> 00:05:53,680
pictures and emotion but this is not

158
00:05:58,790 --> 00:05:55,680
right since all these things

159
00:05:59,909 --> 00:05:58,800
are looked after by both hemispheres but

160
00:06:01,590 --> 00:05:59,919
we should have asked a different

161
00:06:04,070 --> 00:06:01,600
question if we've been thinking in terms

162
00:06:05,830 --> 00:06:04,080
of a living being instead of a machine

163
00:06:08,150 --> 00:06:05,840

instead of asking what does it do as

164

00:06:11,189 --> 00:06:08,160

though it's just a functional utility

165

00:06:11,830 --> 00:06:11,199

we'd ask in what manner how does it do

166

00:06:14,790 --> 00:06:11,840

it

167

00:06:15,430 --> 00:06:14,800

and to what sort of end because things

168

00:06:19,270 --> 00:06:15,440

evolve

169

00:06:22,710 --> 00:06:19,280

in in living beings

170

00:06:23,029 --> 00:06:22,720

in ways that answer to existential needs

171

00:06:26,390 --> 00:06:23,039

to be

172

00:06:27,830 --> 00:06:26,400

able to carry on being so and i think

173

00:06:29,990 --> 00:06:27,840

there is an answer to that that we do

174

00:06:31,830 --> 00:06:30,000

need in order to

175

00:06:34,070 --> 00:06:31,840

be able to pay attention to little

176
00:06:35,270 --> 00:06:34,080
details of things which is mainly things

177
00:06:37,270 --> 00:06:35,280
that we're going to use like

178
00:06:39,830 --> 00:06:37,280
food or you know if you're a bird

179
00:06:42,309 --> 00:06:39,840
picking up a twig to build a nest or

180
00:06:44,150 --> 00:06:42,319
catching your prey you need a certain

181
00:06:45,670 --> 00:06:44,160
kind of attention that doesn't really

182
00:06:47,430 --> 00:06:45,680
need to know the whole picture it just

183
00:06:48,790 --> 00:06:47,440
needs to know the little tiny bit in the

184
00:06:51,670 --> 00:06:48,800
middle of the picture which is

185
00:06:53,510 --> 00:06:51,680
very highly focused on but if it's only

186
00:06:55,430 --> 00:06:53,520
paying that kind of attention

187
00:06:57,830 --> 00:06:55,440
it will not survive because it will

188
00:06:59,189 --> 00:06:57,840

become prey to another creature very

189

00:07:01,029 --> 00:06:59,199

quickly so it needs to have

190

00:07:02,790 --> 00:07:01,039

a different attention which is a broad

191

00:07:06,070 --> 00:07:02,800

open attention

192

00:07:09,749 --> 00:07:06,080

and a sustained attention now

193

00:07:12,790 --> 00:07:09,759

that that's a very you know a very brief

194

00:07:13,589 --> 00:07:12,800

remark but on it hangs just about

195

00:07:16,309 --> 00:07:13,599

everything

196

00:07:17,029 --> 00:07:16,319

because because these two ways of

197

00:07:20,230 --> 00:07:17,039

attending

198

00:07:21,909 --> 00:07:20,240

bring about two different valterti they

199

00:07:23,430 --> 00:07:21,919

bring about two different ways of

200

00:07:26,870 --> 00:07:23,440

looking at the world

201
00:07:29,110 --> 00:07:26,880
in one there are things that we can use

202
00:07:30,150 --> 00:07:29,120
and they're essentially fragmented one

203
00:07:32,469 --> 00:07:30,160
from another

204
00:07:34,230 --> 00:07:32,479
we can pick them up they're isolated we

205
00:07:35,189 --> 00:07:34,240
put them together to make things that we

206
00:07:37,270 --> 00:07:35,199
want

207
00:07:38,790 --> 00:07:37,280
and it has no meaning and it's not

208
00:07:40,390 --> 00:07:38,800
really connected to us but we can

209
00:07:41,589 --> 00:07:40,400
manipulate it and that's the left

210
00:07:43,350 --> 00:07:41,599
hemispheres picture

211
00:07:44,790 --> 00:07:43,360
the left hemisphere enables us to

212
00:07:47,830 --> 00:07:44,800
manipulate the world

213
00:07:50,469 --> 00:07:47,840

and in survival terms that's obviously

214

00:07:52,710 --> 00:07:50,479

very important but it doesn't help us

215

00:07:55,029 --> 00:07:52,720

understand the world at all

216

00:07:57,189 --> 00:07:55,039

the right hemisphere mean time which

217

00:07:59,350 --> 00:07:57,199

doesn't usually have access to speech

218

00:08:01,990 --> 00:07:59,360

it contributes to language but it for

219

00:08:04,309 --> 00:08:02,000

most of us doesn't actually speak

220

00:08:05,589 --> 00:08:04,319

is seeing a completely different world

221

00:08:09,350 --> 00:08:05,599

one in which things

222

00:08:10,070 --> 00:08:09,360

are never entirely isolated or atomistic

223

00:08:13,430 --> 00:08:10,080

they're

224

00:08:14,869 --> 00:08:13,440

interconnected they are in fact

225

00:08:15,270 --> 00:08:14,879

everything is connected to everything

226

00:08:18,390 --> 00:08:15,280

else

227

00:08:19,029 --> 00:08:18,400

ultimately and it's a a field that is

228

00:08:20,950 --> 00:08:19,039

changing

229

00:08:23,270 --> 00:08:20,960

all the time it's not just made up of

230

00:08:25,350 --> 00:08:23,280

things that sit in the field

231

00:08:26,469 --> 00:08:25,360

it's the whole field of things that we

232

00:08:28,710 --> 00:08:26,479

see and perceive

233

00:08:30,790 --> 00:08:28,720

and we relate to it we don't sort of see

234

00:08:32,230 --> 00:08:30,800

it as a thing and then relate to it

235

00:08:33,909 --> 00:08:32,240

it comes into being through our

236

00:08:36,149 --> 00:08:33,919

relationship with it

237

00:08:37,589 --> 00:08:36,159

so that built into it is the idea of

238

00:08:39,269 --> 00:08:37,599

relation

239

00:08:42,230 --> 00:08:39,279

and so this is a very very different

240

00:08:45,670 --> 00:08:42,240

world and it sees things as

241

00:08:47,269 --> 00:08:45,680

special unique that's

242

00:08:48,949 --> 00:08:47,279

that's a thing we might come back to

243

00:08:50,389 --> 00:08:48,959

because people might say but surely if

244

00:08:51,829 --> 00:08:50,399

they're unique then

245

00:08:53,670 --> 00:08:51,839

what's this about them being all

246

00:08:53,990 --> 00:08:53,680

interconnected but it seems to me the

247

00:08:55,829 --> 00:08:54,000

whole

248

00:08:58,470 --> 00:08:55,839

business is to be able to maintain

249

00:09:00,230 --> 00:08:58,480

together uniqueness and individuation

250

00:09:02,550 --> 00:09:00,240

with togetherness without collapsing

251
00:09:06,070 --> 00:09:02,560
into fragmentation and

252
00:09:08,470 --> 00:09:06,080
atomism so it sees a world made up of

253
00:09:10,150 --> 00:09:08,480
unique individuals that that are

254
00:09:11,590 --> 00:09:10,160
constantly changing it sees all the

255
00:09:13,670 --> 00:09:11,600
stuff that's implicit

256
00:09:16,710 --> 00:09:13,680
left hemisphere understands only

257
00:09:18,550 --> 00:09:16,720
understands the most explicit stuff

258
00:09:20,310 --> 00:09:18,560
this is the world that we live in every

259
00:09:22,949 --> 00:09:20,320
day nowadays

260
00:09:24,470 --> 00:09:22,959
it's nobody picks up the messages and if

261
00:09:25,110 --> 00:09:24,480
you do they become something quite

262
00:09:27,430 --> 00:09:25,120
different

263
00:09:29,750 --> 00:09:27,440

try explaining a joke try explaining a

264

00:09:31,750 --> 00:09:29,760

poem try explaining a piece of music

265

00:09:33,030 --> 00:09:31,760

you can't because it is an experience in

266

00:09:34,070 --> 00:09:33,040

which all the important stuff is

267

00:09:38,070 --> 00:09:34,080

implicit

268

00:09:39,269 --> 00:09:38,080

and so of course is the whole realm of

269

00:09:42,470 --> 00:09:39,279

what we seem to have completely

270

00:09:45,990 --> 00:09:42,480

abandoned the idea of there being

271

00:09:47,190 --> 00:09:46,000

a sacred world a a divine element in the

272

00:09:48,710 --> 00:09:47,200

cosmos

273

00:09:50,550 --> 00:09:48,720

these things don't make sense to the

274

00:09:51,670 --> 00:09:50,560

left hemisphere it seems obviously a

275

00:09:55,030 --> 00:09:51,680

mistake

276

00:09:56,070 --> 00:09:55,040

but that's because it hasn't seen so

277

00:09:57,350 --> 00:09:56,080

much of the picture

278

00:09:59,190 --> 00:09:57,360

anyway i'll leave it there and you can

279

00:10:00,790 --> 00:09:59,200

ask me some questions

280

00:10:03,269 --> 00:10:00,800

you mentioned that the right hemisphere

281

00:10:05,829 --> 00:10:03,279

is involved in understanding

282

00:10:08,949 --> 00:10:05,839

and understanding your meaning okay what

283

00:10:14,630 --> 00:10:12,630

well yes a very good question

284

00:10:16,230 --> 00:10:14,640

there are any word you like the left

285

00:10:18,069 --> 00:10:16,240

hemisphere has one idea which on the

286

00:10:20,150 --> 00:10:18,079

right hand is for a different one

287

00:10:21,750 --> 00:10:20,160

so to the left hemisphere meaning is

288

00:10:22,630 --> 00:10:21,760

something that is as you might expect

289

00:10:24,949 --> 00:10:22,640

put together

290

00:10:26,230 --> 00:10:24,959

from bits and it could be something we

291

00:10:28,550 --> 00:10:26,240

create by

292

00:10:29,750 --> 00:10:28,560

you know words are tokens they're put

293

00:10:32,790 --> 00:10:29,760

together by

294

00:10:34,949 --> 00:10:32,800

systematic uh syntax and

295

00:10:36,630 --> 00:10:34,959

they turn into a meaning the computer

296

00:10:38,870 --> 00:10:36,640

might be able to find out of the

297

00:10:40,630 --> 00:10:38,880

combination of a dictionary and a book

298

00:10:44,949 --> 00:10:40,640

of grammar rules

299

00:10:47,750 --> 00:10:44,959

but meaning is not that when i say

300

00:10:49,110 --> 00:10:47,760

that there is meaning in certain

301
00:10:51,430 --> 00:10:49,120
experiences

302
00:10:52,870 --> 00:10:51,440
like the you know my my wife means

303
00:10:56,550 --> 00:10:52,880
everything to me

304
00:10:58,790 --> 00:10:56,560
or this piece of music means so much

305
00:11:00,310 --> 00:10:58,800
or you know just being able to walk in

306
00:11:03,269 --> 00:11:00,320
wilderness is so

307
00:11:03,750 --> 00:11:03,279
important and it brings meaning to

308
00:11:06,069 --> 00:11:03,760
things

309
00:11:08,870 --> 00:11:06,079
now what i want to stress is that

310
00:11:12,069 --> 00:11:08,880
nowadays when people

311
00:11:13,670 --> 00:11:12,079
allow that there could be meaning coming

312
00:11:17,030 --> 00:11:13,680
from certain experiences

313
00:11:19,750 --> 00:11:17,040

they see that as an invention

314

00:11:21,590 --> 00:11:19,760

of ours so we do this and we think okay

315

00:11:23,190 --> 00:11:21,600

now we've added some meaning

316

00:11:25,030 --> 00:11:23,200

but that's not the image that's the left

317

00:11:25,590 --> 00:11:25,040

hemisphere image of something that is

318

00:11:27,750 --> 00:11:25,600

added

319

00:11:28,710 --> 00:11:27,760

to something else mechanically what i'm

320

00:11:31,910 --> 00:11:28,720

saying is

321

00:11:33,269 --> 00:11:31,920

we are in certain experiences made to be

322

00:11:36,550 --> 00:11:33,279

more receptive

323

00:11:38,310 --> 00:11:36,560

more aware of something that is there to

324

00:11:40,069 --> 00:11:38,320

be brought into being through the

325

00:11:41,990 --> 00:11:40,079

commerce between

326
00:11:43,509 --> 00:11:42,000
ourselves our own consciousness and

327
00:11:47,110 --> 00:11:43,519
whatever it is that

328
00:11:47,509 --> 00:11:47,120
we're conscious of so it's a relational

329
00:11:49,910 --> 00:11:47,519
thing

330
00:11:52,069 --> 00:11:49,920
absolutely at its core is relation and

331
00:11:54,550 --> 00:11:52,079
at its core it's consciousness

332
00:11:55,509 --> 00:11:54,560
so in this way i found that you're a

333
00:11:59,670 --> 00:11:55,519
physicist

334
00:12:01,350 --> 00:11:59,680
have written to me since the master and

335
00:12:02,870 --> 00:12:01,360
this emissary was published

336
00:12:04,870 --> 00:12:02,880
saying this is very important and

337
00:12:06,629 --> 00:12:04,880
interesting from our point of view

338
00:12:08,069 --> 00:12:06,639

and in the book that i've just finished

339

00:12:10,550 --> 00:12:08,079

and want to publish in the next few

340

00:12:12,470 --> 00:12:10,560

months called the matter with things

341

00:12:13,670 --> 00:12:12,480

i take three ways of looking at the

342

00:12:17,110 --> 00:12:13,680

world one is

343

00:12:21,190 --> 00:12:17,120

neuro science one

344

00:12:23,430 --> 00:12:21,200

is philosophy and the third is physics

345

00:12:25,269 --> 00:12:23,440

and i show that quite coherently by

346

00:12:28,389 --> 00:12:25,279

pursuing each of these powers

347

00:12:29,269 --> 00:12:28,399

we can come to a vision of a picture of

348

00:12:31,590 --> 00:12:29,279

the world

349

00:12:32,310 --> 00:12:31,600

which is very very different from the

350

00:12:34,629 --> 00:12:32,320

one

351

00:12:36,069 --> 00:12:34,639

that we're taught and that which the

352

00:12:38,710 --> 00:12:36,079

popular media

353

00:12:39,829 --> 00:12:38,720

and the the vox pop of sort of

354

00:12:41,350 --> 00:12:39,839

scientists who

355

00:12:44,470 --> 00:12:41,360

do too much talking and not enough

356

00:12:46,790 --> 00:12:44,480

thinking i would suggest

357

00:12:48,310 --> 00:12:46,800

something that impresses me to an

358

00:12:50,069 --> 00:12:48,320

extreme amount about your book

359

00:12:51,509 --> 00:12:50,079

at least though i've only i've only read

360

00:12:54,949 --> 00:12:51,519

the master and it's emissary

361

00:12:57,430 --> 00:12:54,959

in that one it's quite a tome and

362

00:12:58,949 --> 00:12:57,440

you see someone you don't just see them

363

00:13:00,310 --> 00:12:58,959

compile chapters together you see them

364

00:13:03,190 --> 00:13:00,320

work through their life

365

00:13:05,190 --> 00:13:03,200

in these pages and i'm wondering okay

366

00:13:07,750 --> 00:13:05,200

how did you go about doing this because

367

00:13:08,389 --> 00:13:07,760

it seems like to me there's a plethora

368

00:13:10,389 --> 00:13:08,399

of data

369

00:13:11,670 --> 00:13:10,399

at first you have to just accumulate and

370

00:13:14,069 --> 00:13:11,680

dispassionately view

371

00:13:15,509 --> 00:13:14,079

so that you don't bias it beforehand

372

00:13:18,629 --> 00:13:15,519

with your own worldview

373

00:13:19,350 --> 00:13:18,639

and then you had to cohere somehow what

374

00:13:22,949 --> 00:13:19,360

you saw

375

00:13:25,509 --> 00:13:22,959

into a unified message how long

376

00:13:27,430 --> 00:13:25,519

was the researching process and then how

377

00:13:29,030 --> 00:13:27,440

long from once you started

378

00:13:30,470 --> 00:13:29,040

did you find enough of a through line

379

00:13:32,829 --> 00:13:30,480

that you're like i can legitimately

380

00:13:34,870 --> 00:13:32,839

start writing instead of just

381

00:13:36,790 --> 00:13:34,880

researching

382

00:13:37,990 --> 00:13:36,800

yes well it's easy to say about the

383

00:13:41,189 --> 00:13:38,000

gathering of the data

384

00:13:44,550 --> 00:13:41,199

that took about 20 years um

385

00:13:50,550 --> 00:13:48,230

the core of the idea was that i

386

00:13:51,829 --> 00:13:50,560

felt already that there were two kinds

387

00:13:53,670 --> 00:13:51,839

of

388

00:13:56,069 --> 00:13:53,680

ways we could think about the world two

389

00:14:00,069 --> 00:13:56,079

kinds of awareness of it that we

390

00:14:02,230 --> 00:14:00,079

we both we needed both and we use both

391

00:14:03,269 --> 00:14:02,240

and as always it's not either that you

392

00:14:05,750 --> 00:14:03,279

just

393

00:14:06,949 --> 00:14:05,760

collect data and then look at it and

394

00:14:09,990 --> 00:14:06,959

something happens

395

00:14:12,310 --> 00:14:10,000

nor is it that uh you have an idea and

396

00:14:15,750 --> 00:14:12,320

you collect the data just to support it

397

00:14:17,910 --> 00:14:15,760

it's like everything it's a kind of

398

00:14:19,910 --> 00:14:17,920

an encounter a rapprochement coming

399

00:14:20,550 --> 00:14:19,920

together of two things that sense each

400

00:14:23,829 --> 00:14:20,560

other's

401
00:14:26,150 --> 00:14:23,839
existence as to loving people

402
00:14:26,949 --> 00:14:26,160
uh understand come to understand one

403
00:14:29,829 --> 00:14:26,959
another and

404
00:14:31,590 --> 00:14:29,839
as indeed we understand the sacred and

405
00:14:33,110 --> 00:14:31,600
the divine it's a coming together of

406
00:14:34,790 --> 00:14:33,120
something that speaks to us and we speak

407
00:14:36,870 --> 00:14:34,800
to it and if you don't speak to it you

408
00:14:40,550 --> 00:14:36,880
won't hear anything back from it

409
00:14:42,710 --> 00:14:40,560
so you most people

410
00:14:44,069 --> 00:14:42,720
in think that science is made out of

411
00:14:47,910 --> 00:14:44,079
just doing hundreds and

412
00:14:51,030 --> 00:14:47,920
thousands of tests and then following an

413
00:14:52,790 --> 00:14:51,040

entirely logical path but in fact

414

00:14:54,150 --> 00:14:52,800

a lot of great scientists have pointed

415

00:14:56,069 --> 00:14:54,160

out that what happens is you have

416

00:14:58,150 --> 00:14:56,079

intuitions of a shape

417

00:14:59,509 --> 00:14:58,160

of something that is you know you can't

418

00:15:00,790 --> 00:14:59,519

put your finger on it but you know

419

00:15:03,910 --> 00:15:00,800

there's something here

420

00:15:05,670 --> 00:15:03,920

and you start to look at the data and

421

00:15:07,509 --> 00:15:05,680

you find that some of the data fit with

422

00:15:09,110 --> 00:15:07,519

it but some of the data don't

423

00:15:11,110 --> 00:15:09,120

and that's really important and

424

00:15:13,350 --> 00:15:11,120

interesting because then

425

00:15:15,509 --> 00:15:13,360

you say okay i was thinking of it like

426

00:15:16,550 --> 00:15:15,519

this now i see i need to accommodate

427

00:15:19,430 --> 00:15:16,560

this other thing

428

00:15:20,389 --> 00:15:19,440

so for 20 years or 25 years this is what

429

00:15:23,269 --> 00:15:20,399

i did

430

00:15:24,230 --> 00:15:23,279

i saw things and i changed what i

431

00:15:27,750 --> 00:15:24,240

thought

432

00:15:30,949 --> 00:15:27,760

it evolved as all things evolve

433

00:15:32,629 --> 00:15:30,959

the whole cosmos evolves evolution isn't

434

00:15:33,430 --> 00:15:32,639

just something that darwin spotted in

435

00:15:37,269 --> 00:15:33,440

animals

436

00:15:39,189 --> 00:15:37,279

evolution is being being is becoming

437

00:15:41,350 --> 00:15:39,199

and this is a cosmos that is becoming

438

00:15:44,710 --> 00:15:41,360

not one that is just static and being

439

00:15:46,389 --> 00:15:44,720

so that process of creation was like all

440

00:15:48,150 --> 00:15:46,399

processes of creation

441

00:15:50,790 --> 00:15:48,160

the sensing of something that at the

442

00:15:52,949 --> 00:15:50,800

moment you can't put your finger on

443

00:15:54,310 --> 00:15:52,959

like a painter doesn't know exactly

444

00:15:55,350 --> 00:15:54,320

where all the bits in the painting are

445

00:15:57,829 --> 00:15:55,360

going to go

446

00:15:58,629 --> 00:15:57,839

when he or she starts it the poet

447

00:16:02,069 --> 00:15:58,639

doesn't know

448

00:16:03,749 --> 00:16:02,079

exactly but here's certain the shape of

449

00:16:06,310 --> 00:16:03,759

a few lines some images

450

00:16:08,150 --> 00:16:06,320

and then it starts to grow from that so

451
00:16:11,269 --> 00:16:08,160
science is not

452
00:16:14,230 --> 00:16:11,279
different or opposite to

453
00:16:16,310 --> 00:16:14,240
different from or opposite to the

454
00:16:19,350 --> 00:16:16,320
creative arts it is in fact

455
00:16:21,030 --> 00:16:19,360
very similar to the creative arts is

456
00:16:21,430 --> 00:16:21,040
there a reason why god is associated

457
00:16:23,509 --> 00:16:21,440
with

458
00:16:25,269 --> 00:16:23,519
becoming rather than being or rather

459
00:16:29,269 --> 00:16:25,279
than a combination of both becoming and

460
00:16:32,710 --> 00:16:31,990
well there are as many ideas of god as

461
00:16:34,870 --> 00:16:32,720
there are

462
00:16:37,030 --> 00:16:34,880
you know traditions in the world and

463
00:16:41,990 --> 00:16:37,040

probably as many as there are people

464

00:16:46,230 --> 00:16:42,000

so ideas about god can be very different

465

00:16:48,069 --> 00:16:46,240

but i have noted a very interesting

466

00:16:51,509 --> 00:16:48,079

strain

467

00:16:54,790 --> 00:16:51,519

in the mythologies and anthropologies

468

00:16:57,330 --> 00:16:54,800

of peoples around the world from

469

00:16:58,470 --> 00:16:57,340

china and india from um

470

00:17:01,670 --> 00:16:58,480

[Music]

471

00:17:04,470 --> 00:17:01,680

from the circumpolar regions from

472

00:17:05,909 --> 00:17:04,480

the native american peoples and so on

473

00:17:09,510 --> 00:17:05,919

that speak

474

00:17:12,870 --> 00:17:09,520

of a world that is becoming not just

475

00:17:16,549 --> 00:17:12,880

made but is constantly coming into being

476
00:17:19,669 --> 00:17:18,630
you can bring together the idea of a god

477
00:17:22,789 --> 00:17:19,679
that is

478
00:17:24,549 --> 00:17:22,799
being

479
00:17:26,150 --> 00:17:24,559
but if i had to put my money on one or

480
00:17:27,829 --> 00:17:26,160
the other it would be the coming into

481
00:17:29,110 --> 00:17:27,839
being it seems to me that that is

482
00:17:31,190 --> 00:17:29,120
utterly primary

483
00:17:32,789 --> 00:17:31,200
and interestingly people like paulie and

484
00:17:35,669 --> 00:17:32,799
heisenberg and

485
00:17:37,190 --> 00:17:35,679
and uh scherdinger and so forth in the

486
00:17:39,990 --> 00:17:37,200
20th century

487
00:17:41,430 --> 00:17:40,000
thought similarly that becoming was more

488
00:17:43,830 --> 00:17:41,440

important than being

489

00:17:45,669 --> 00:17:43,840

david boehm said that as well and i

490

00:17:47,510 --> 00:17:45,679

think niels bohr

491

00:17:48,789 --> 00:17:47,520

okay this reminds me of another line

492

00:17:50,549 --> 00:17:48,799

from your book and it could be you said

493

00:17:51,830 --> 00:17:50,559

the mind or the brain i don't regret i

494

00:17:52,950 --> 00:17:51,840

don't remember which one

495

00:17:53,909 --> 00:17:52,960

which we can talk about what's the

496

00:17:55,350 --> 00:17:53,919

difference between the mind and the

497

00:17:57,190 --> 00:17:55,360

brain but regardless

498

00:17:59,029 --> 00:17:57,200

you said either the mind or the brain

499

00:17:59,510 --> 00:17:59,039

it's not correct to think of it as the

500

00:18:01,750 --> 00:17:59,520

brain

501
00:18:03,590 --> 00:18:01,760
slash mind is grappling with the world

502
00:18:04,789 --> 00:18:03,600
but instead it's bringing the world

503
00:18:07,190 --> 00:18:04,799
about

504
00:18:08,470 --> 00:18:07,200
okay now to some that conflates the

505
00:18:09,750 --> 00:18:08,480
objective world with the

506
00:18:11,190 --> 00:18:09,760
phenomenological one

507
00:18:13,110 --> 00:18:11,200
so i'm wondering can you explain what

508
00:18:15,110 --> 00:18:13,120
you mean when you say it brings the

509
00:18:17,430 --> 00:18:15,120
world about

510
00:18:19,350 --> 00:18:17,440
well i may not be able to explain it

511
00:18:21,350 --> 00:18:19,360
very well in language because i think

512
00:18:22,630 --> 00:18:21,360
our language is not very well suited to

513
00:18:24,710 --> 00:18:22,640

describing

514

00:18:25,750 --> 00:18:24,720

reality it's very well suited to

515

00:18:28,710 --> 00:18:25,760

describing

516

00:18:29,590 --> 00:18:28,720

everyday things like getting lunch and

517

00:18:31,669 --> 00:18:29,600

uh

518

00:18:33,190 --> 00:18:31,679

building a wall but when it comes to

519

00:18:34,150 --> 00:18:33,200

actually understanding what we're

520

00:18:35,990 --> 00:18:34,160

dealing with

521

00:18:38,549 --> 00:18:36,000

we don't necessarily have the words for

522

00:18:40,789 --> 00:18:38,559

it and you know bohr himself said there

523

00:18:42,870 --> 00:18:40,799

is no way we can talk about

524

00:18:44,710 --> 00:18:42,880

physics eventually except in the

525

00:18:46,070 --> 00:18:44,720

language of poetry and he said the same

526
00:18:49,830 --> 00:18:46,080
thing is true

527
00:18:51,830 --> 00:18:49,840
of um philosophy and and of

528
00:18:55,270 --> 00:18:51,840
the talking about the divine or whatever

529
00:19:02,070 --> 00:18:58,390
yes what i've struggled with very much

530
00:19:05,669 --> 00:19:02,080
is not collapsing into one or other of

531
00:19:08,950 --> 00:19:05,679
two major areas of our age

532
00:19:10,870 --> 00:19:08,960
one is to say quite simply it's all made

533
00:19:11,510 --> 00:19:10,880
up by us so it's like we're sitting in a

534
00:19:13,830 --> 00:19:11,520
little

535
00:19:15,270 --> 00:19:13,840
um cinema inside our heads and sitting

536
00:19:16,870 --> 00:19:15,280
on the sofa little homunculus watching

537
00:19:17,669 --> 00:19:16,880
the scene but we have no contact with

538
00:19:20,150 --> 00:19:17,679

the world of

539

00:19:20,870 --> 00:19:20,160

anything else out there and the other is

540

00:19:22,470 --> 00:19:20,880

that you know

541

00:19:24,310 --> 00:19:22,480

just the world is out there and it's

542

00:19:26,310 --> 00:19:24,320

just a matter of going out measuring it

543

00:19:28,549 --> 00:19:26,320

photographing it and you've got it

544

00:19:30,710 --> 00:19:28,559

so you know in one case you've got very

545

00:19:33,029 --> 00:19:30,720

simplistic materialism and in the other

546

00:19:34,789 --> 00:19:33,039

you've got very simplistic idealism

547

00:19:36,070 --> 00:19:34,799

and i don't think that either of these

548

00:19:38,710 --> 00:19:36,080

positions

549

00:19:40,950 --> 00:19:38,720

uh gets us very far i think the

550

00:19:41,750 --> 00:19:40,960

important thing is to see these bridges

551
00:19:43,590 --> 00:19:41,760
because as i say

552
00:19:45,590 --> 00:19:43,600
everything is actually connected and

553
00:19:49,270 --> 00:19:45,600
it's through the connection

554
00:19:50,870 --> 00:19:49,280
that they come into being so let me

555
00:19:52,470 --> 00:19:50,880
say that again because it's something

556
00:19:53,990 --> 00:19:52,480
that again as a physicist you will

557
00:19:55,430 --> 00:19:54,000
understand you probably know david

558
00:19:58,470 --> 00:19:55,440
merman the physicist

559
00:20:01,909 --> 00:19:58,480
he says relations

560
00:20:03,270 --> 00:20:01,919
are prior to relata now i was delighted

561
00:20:05,350 --> 00:20:03,280
when i heard that

562
00:20:08,070 --> 00:20:05,360
because i have been working on that

563
00:20:09,990 --> 00:20:08,080

basis for most of my adult life

564

00:20:12,549 --> 00:20:10,000

and that sounds nonsense to most people

565

00:20:14,390 --> 00:20:12,559

how can relations exist before there are

566

00:20:16,230 --> 00:20:14,400

things that relate

567

00:20:18,230 --> 00:20:16,240

but actually the things only become what

568

00:20:19,270 --> 00:20:18,240

they are in the process of the

569

00:20:21,590 --> 00:20:19,280

relationship

570

00:20:23,350 --> 00:20:21,600

indeed we only are what we are as human

571

00:20:24,710 --> 00:20:23,360

beings in the process of the many

572

00:20:26,710 --> 00:20:24,720

relationships we have

573

00:20:27,830 --> 00:20:26,720

with other people and with the world at

574

00:20:31,270 --> 00:20:27,840

large

575

00:20:33,190 --> 00:20:31,280

and there's an image in the vedic

576

00:20:34,710 --> 00:20:33,200

tradition which i like very much of

577

00:20:41,830 --> 00:20:34,720

indra's net

578

00:20:45,909 --> 00:20:41,840

net that covers the whole world

579

00:20:48,230 --> 00:20:45,919

and in it at every place where the

580

00:20:50,310 --> 00:20:48,240

threads cross there is a little jewel

581

00:20:52,230 --> 00:20:50,320

and in this jewel it reflected all the

582

00:20:54,630 --> 00:20:52,240

other jewels and the whole of the net

583

00:20:56,470 --> 00:20:54,640

so it's like a hologram in a way but

584

00:20:59,990 --> 00:20:56,480

what is fabulous about it

585

00:21:01,110 --> 00:21:00,000

is that they point out that the threads

586

00:21:03,190 --> 00:21:01,120

the connections

587

00:21:05,350 --> 00:21:03,200

exist before any of the points that make

588

00:21:06,230 --> 00:21:05,360

a net the things that make it a net are

589

00:21:08,470 --> 00:21:06,240

the crossings

590

00:21:09,990 --> 00:21:08,480

that's what we see but they just stand

591

00:21:11,750 --> 00:21:10,000

forward after

592

00:21:13,270 --> 00:21:11,760

interesting uh the relations have done

593

00:21:14,230 --> 00:21:13,280

what they are so i think it's a good

594

00:21:16,070 --> 00:21:14,240

image because

595

00:21:18,549 --> 00:21:16,080

i think we tend to focus on certain

596

00:21:21,350 --> 00:21:18,559

things that stand forward to us

597

00:21:23,110 --> 00:21:21,360

in the world immediately and neglect the

598

00:21:24,630 --> 00:21:23,120

background out of which they emerge and

599

00:21:26,909 --> 00:21:24,640

from which they're never separate

600

00:21:28,470 --> 00:21:26,919

and this is a very basic

601

00:21:29,990 --> 00:21:28,480

neuropsychological

602

00:21:31,590 --> 00:21:30,000

distinction between the left and right

603

00:21:32,950 --> 00:21:31,600

hemisphere which you can demonstrate in

604

00:21:34,870 --> 00:21:32,960

the lab any day

605

00:21:37,190 --> 00:21:34,880

the left hemisphere sees a single thing

606

00:21:38,789 --> 00:21:37,200

of interest that is foregrounded

607

00:21:40,470 --> 00:21:38,799

and it ignores the rest whereas the

608

00:21:43,830 --> 00:21:40,480

right hemisphere sees the whole

609

00:21:44,950 --> 00:21:43,840

scene with whatever it is embedded in it

610

00:21:46,470 --> 00:21:44,960

now this reminds me

611

00:21:48,230 --> 00:21:46,480

of in one of your talks you were talking

612

00:21:48,470 --> 00:21:48,240

about it was an offhand comment you said

613

00:21:50,710 --> 00:21:48,480

that

614

00:21:51,909 --> 00:21:50,720

existence is predicated on resistance

615

00:21:55,430 --> 00:21:51,919

and so what i'm wondering is

616

00:21:59,750 --> 00:21:55,440

is this resistance akin to a relation

617

00:22:01,669 --> 00:21:59,760

yes but it's not the same thing

618

00:22:03,029 --> 00:22:01,679

but without some degree of resistance

619

00:22:06,149 --> 00:22:03,039

without some degree

620

00:22:09,990 --> 00:22:06,159

of opposition

621

00:22:12,710 --> 00:22:10,000

nothing comes into being nothing can do

622

00:22:14,630 --> 00:22:12,720

anything i mean in a very simple way

623

00:22:16,310 --> 00:22:14,640

motion is only made possible because of

624

00:22:18,470 --> 00:22:16,320

friction which is the

625

00:22:19,590 --> 00:22:18,480

thing that itself brings motion to a

626
00:22:21,590 --> 00:22:19,600
standstill

627
00:22:23,590 --> 00:22:21,600
so i mean i know that's a folk sort of

628
00:22:27,270 --> 00:22:23,600
idea but i think it's helpful

629
00:22:29,190 --> 00:22:27,280
that actually what comes into being is

630
00:22:32,070 --> 00:22:29,200
shaped

631
00:22:32,870 --> 00:22:32,080
it's not just formless there are forms

632
00:22:35,990 --> 00:22:32,880
that shape

633
00:22:38,710 --> 00:22:36,000
what comes into being and we our minds

634
00:22:40,390 --> 00:22:38,720
partake of those and of course any form

635
00:22:42,950 --> 00:22:40,400
any shape

636
00:22:43,430 --> 00:22:42,960
is already a denial of something else

637
00:22:47,669 --> 00:22:43,440
because

638
00:22:49,750 --> 00:22:47,679

if it didn't deny or negate anything

639

00:22:50,950 --> 00:22:49,760

it would be just a formless chaos a bag

640

00:22:52,070 --> 00:22:50,960

of nothing

641

00:22:53,270 --> 00:22:52,080

because it would be everything and

642

00:22:54,789 --> 00:22:53,280

everything would be nothing because

643

00:22:56,149 --> 00:22:54,799

there'd be no differentiation of

644

00:22:57,029 --> 00:22:56,159

anything from anything else nothing

645

00:23:00,230 --> 00:22:57,039

would exist

646

00:23:02,870 --> 00:23:00,240

right or everything you have to exclude

647

00:23:03,750 --> 00:23:02,880

you have to you have to exclude you have

648

00:23:06,830 --> 00:23:03,760

to

649

00:23:09,510 --> 00:23:06,840

limit and that is the process of

650

00:23:11,190 --> 00:23:09,520

resistance

651
00:23:12,310 --> 00:23:11,200
and you know there are lots of ways in

652
00:23:13,750 --> 00:23:12,320
which you can think of this but there's

653
00:23:16,149 --> 00:23:13,760
one that i like particularly if you're

654
00:23:19,029 --> 00:23:16,159
going to talk about

655
00:23:19,990 --> 00:23:19,039
consciousness because i believe that our

656
00:23:24,390 --> 00:23:20,000
consciousness

657
00:23:28,950 --> 00:23:24,400
not entirely separate

658
00:23:32,549 --> 00:23:28,960
from other consciousnesses

659
00:23:35,590 --> 00:23:32,559
but for the while it is shaped

660
00:23:36,630 --> 00:23:35,600
uh by whatever form it is that our

661
00:23:40,470 --> 00:23:36,640
consciousness is

662
00:23:43,590 --> 00:23:40,480
instantiated in and william james who

663
00:23:45,430 --> 00:23:43,600

i think is one of the towering

664

00:23:48,390 --> 00:23:45,440

intellects of the last

665

00:23:48,710 --> 00:23:48,400

couple of hundred years said about this

666

00:23:52,230 --> 00:23:48,720

that

667

00:23:54,070 --> 00:23:52,240

it is like the breath passing over his

668

00:23:57,669 --> 00:23:54,080

vocal cords

669

00:23:59,669 --> 00:23:57,679

breath would say nothing

670

00:24:00,950 --> 00:23:59,679

it would mean nothing but because there

671

00:24:04,230 --> 00:24:00,960

are vocal cords that

672

00:24:05,190 --> 00:24:04,240

restrict it it becomes the voice that is

673

00:24:08,070 --> 00:24:05,200

him

674

00:24:08,710 --> 00:24:08,080

so i think you know we can you can allow

675

00:24:10,789 --> 00:24:08,720

that

676
00:24:12,070 --> 00:24:10,799
to germinate in your imagination but i

677
00:24:15,350 --> 00:24:12,080
think the point is

678
00:24:17,510 --> 00:24:15,360
that things are not isolated by

679
00:24:19,029 --> 00:24:17,520
resistance but actually strengthened by

680
00:24:20,310 --> 00:24:19,039
and come into being by resistance let me

681
00:24:23,350 --> 00:24:20,320
just mention another

682
00:24:25,510 --> 00:24:23,360
very interesting small insight

683
00:24:26,549 --> 00:24:25,520
you know there are these uh to get their

684
00:24:29,750 --> 00:24:26,559
golden but these

685
00:24:31,510 --> 00:24:29,760
eco domes in which plants

686
00:24:33,669 --> 00:24:31,520
some of them are very large plants are

687
00:24:36,070 --> 00:24:33,679
grown in a protected environment under

688
00:24:39,269 --> 00:24:36,080

glass biosphere some of them are

689

00:24:41,190 --> 00:24:39,279

biospheres that's it thank you um

690

00:24:43,750 --> 00:24:41,200

and people were puzzled to begin with

691

00:24:45,669 --> 00:24:43,760

that trees in these biospheres

692

00:24:46,950 --> 00:24:45,679

kept falling over before they had any

693

00:24:49,269 --> 00:24:46,960

maturity

694

00:24:49,990 --> 00:24:49,279

and it turned out that trees in order to

695

00:24:52,630 --> 00:24:50,000

grow

696

00:24:53,430 --> 00:24:52,640

properly need wind they need wind to

697

00:24:56,630 --> 00:24:53,440

blow them

698

00:25:00,070 --> 00:24:56,640

and challenge them and they they produce

699

00:25:02,070 --> 00:25:00,080

a core of strength in the wood

700

00:25:03,269 --> 00:25:02,080

and in their roots which enables them to

701
00:25:05,990 --> 00:25:03,279
thrive

702
00:25:07,029 --> 00:25:06,000
there we are it's just another image of

703
00:25:08,789 --> 00:25:07,039
the same thing

704
00:25:10,310 --> 00:25:08,799
let's talk about the title of your book

705
00:25:11,990 --> 00:25:10,320
the master in its emissary which i

706
00:25:12,789 --> 00:25:12,000
believe is derived from the nietzschean

707
00:25:16,870 --> 00:25:12,799
story

708
00:25:19,750 --> 00:25:16,880
contemptuous of the master

709
00:25:20,870 --> 00:25:19,760
now that has me wondering does the left

710
00:25:22,630 --> 00:25:20,880
hemisphere

711
00:25:24,070 --> 00:25:22,640
have some emotional reason that it

712
00:25:26,789 --> 00:25:24,080
thinks that it

713
00:25:28,870 --> 00:25:26,799

is primal or that it has an emotional

714

00:25:30,390 --> 00:25:28,880

reason to usurp the right brain because

715

00:25:31,909 --> 00:25:30,400

people normally associate emotion with

716

00:25:34,630 --> 00:25:31,919

the right and the left is just

717

00:25:37,830 --> 00:25:36,149

well it's interesting because all those

718

00:25:40,870 --> 00:25:37,840

things that people used to say

719

00:25:42,070 --> 00:25:40,880

that they're just you know emotions in

720

00:25:44,789 --> 00:25:42,080

one hemisphere that is

721

00:25:46,230 --> 00:25:44,799

entirely wrong as i say what is

722

00:25:47,669 --> 00:25:46,240

different is the way

723

00:25:49,190 --> 00:25:47,679

so they each have emotions they just

724

00:25:49,830 --> 00:25:49,200

have different ways of relating to the

725

00:25:52,710 --> 00:25:49,840

world

726
00:25:54,549 --> 00:25:52,720
and interestingly the emotion that most

727
00:25:55,990 --> 00:25:54,559
lateralizes is anger

728
00:25:58,870 --> 00:25:56,000
and it lateralizes to the left

729
00:26:02,230 --> 00:25:58,880
hemisphere not to the right

730
00:26:04,310 --> 00:26:02,240
it's tempting um

731
00:26:05,430 --> 00:26:04,320
and not perhaps entirely wrong since

732
00:26:07,909 --> 00:26:05,440
after all

733
00:26:09,430 --> 00:26:07,919
the brain is part of a person to think

734
00:26:11,590 --> 00:26:09,440
of these two hemispheres as having

735
00:26:14,950 --> 00:26:11,600
personalities of a kind

736
00:26:16,390 --> 00:26:14,960
um i mean of course one immediately

737
00:26:18,430 --> 00:26:16,400
invites the

738
00:26:20,070 --> 00:26:18,440

past that you know everyone's

739

00:26:22,070 --> 00:26:20,080

anthropomorphizing a

740

00:26:25,669 --> 00:26:22,080

a computer or something but of course

741

00:26:27,590 --> 00:26:25,679

one's easy easily sort of

742

00:26:28,789 --> 00:26:27,600

skewing the picture by thinking of the

743

00:26:30,310 --> 00:26:28,799

brain as a computer because it's

744

00:26:30,950 --> 00:26:30,320

obviously part of a living person as

745

00:26:34,870 --> 00:26:30,960

well

746

00:26:38,710 --> 00:26:34,880

anyway um to cut a long story short yes

747

00:26:41,029 --> 00:26:38,720

uh when when you isolate one hemisphere

748

00:26:43,510 --> 00:26:41,039

at a time

749

00:26:45,190 --> 00:26:43,520

the left hemisphere is more confident

750

00:26:47,110 --> 00:26:45,200

even when it's entirely wrong

751
00:26:49,029 --> 00:26:47,120
and tends to increase its sense of

752
00:26:51,830 --> 00:26:49,039
conviction when it's presented with data

753
00:26:53,590 --> 00:26:51,840
that suggests that it might be wrong

754
00:26:58,630 --> 00:26:53,600
whereas the right hemisphere

755
00:27:00,549 --> 00:26:58,640
tends to be more um more open to

756
00:27:02,310 --> 00:27:00,559
well it might be something different

757
00:27:05,909 --> 00:27:02,320
actually ramachandran you know

758
00:27:07,110 --> 00:27:05,919
very well known neuroscientist says um

759
00:27:10,390 --> 00:27:07,120
that

760
00:27:11,269 --> 00:27:10,400
he calls it the the um the devil's

761
00:27:12,710 --> 00:27:11,279
advocate

762
00:27:13,990 --> 00:27:12,720
the right hemisphere because well the

763
00:27:15,830 --> 00:27:14,000

left hemisphere is jumping to

764

00:27:17,750 --> 00:27:15,840

conclusions which it does

765

00:27:19,590 --> 00:27:17,760

very quickly the right hemisphere is

766

00:27:20,549 --> 00:27:19,600

going yes but on the one hand and on the

767

00:27:24,549 --> 00:27:20,559

other

768

00:27:27,590 --> 00:27:24,559

miss very much in today's

769

00:27:28,230 --> 00:27:27,600

culture is that the ability to nuance

770

00:27:30,310 --> 00:27:28,240

physician

771

00:27:31,350 --> 00:27:30,320

opinions and see this good and bad in

772

00:27:32,789 --> 00:27:31,360

many things

773

00:27:34,310 --> 00:27:32,799

that more and more of something you

774

00:27:35,669 --> 00:27:34,320

think is good is not necessarily good

775

00:27:39,350 --> 00:27:35,679

and so forth

776

00:27:44,149 --> 00:27:40,950

it's also true that the left hemisphere

777

00:27:46,230 --> 00:27:44,159

sees less i mean it literally sees less

778

00:27:48,789 --> 00:27:46,240

uh in the sense of it attends to less

779

00:27:52,070 --> 00:27:48,799

and therefore takes in less of the world

780

00:27:54,230 --> 00:27:52,080

and when you see or or understand less

781

00:27:56,230 --> 00:27:54,240

you think you know it all right there's

782

00:27:58,070 --> 00:27:56,240

uh a phenomenon in

783

00:28:00,310 --> 00:27:58,080

psychology called the dunning-kruger

784

00:28:01,430 --> 00:28:00,320

effect which basically is that when

785

00:28:03,350 --> 00:28:01,440

people are very bright

786

00:28:04,870 --> 00:28:03,360

they think they don't know very much but

787

00:28:05,909 --> 00:28:04,880

when they're stupid they think they know

788

00:28:08,149 --> 00:28:05,919

everything

789

00:28:11,750 --> 00:28:08,159

and so it's the people who are at least

790

00:28:15,350 --> 00:28:11,760

intelligent who are most dogmatic

791

00:28:16,789 --> 00:28:15,360

about their views and i think that

792

00:28:19,510 --> 00:28:16,799

you could say that the left hemisphere

793

00:28:22,630 --> 00:28:19,520

suffers from not really understanding

794

00:28:25,190 --> 00:28:22,640

jumping to conclusions and tending to be

795

00:28:28,950 --> 00:28:25,200

rather impatient and angry

796

00:28:30,630 --> 00:28:28,960

um so yes i think you could you could

797

00:28:33,750 --> 00:28:30,640

say that about them and what

798

00:28:34,710 --> 00:28:33,760

what i've been amazed by is in how many

799

00:28:37,669 --> 00:28:34,720

cultures

800

00:28:38,630 --> 00:28:37,679

there is a story like the master in his

801
00:28:41,830 --> 00:28:38,640
emissary

802
00:28:44,389 --> 00:28:41,840
of two brothers or

803
00:28:45,269 --> 00:28:44,399
an emperor and his general or whatever

804
00:28:47,590 --> 00:28:45,279
it is

805
00:28:48,789 --> 00:28:47,600
these two powers and one of them is

806
00:28:51,510 --> 00:28:48,799
clearly

807
00:28:52,230 --> 00:28:51,520
sort of superintendent of the other but

808
00:28:56,389 --> 00:28:52,240
the

809
00:28:57,669 --> 00:28:56,399
master

810
00:29:00,149 --> 00:28:57,679
even though it doesn't really understand

811
00:29:02,070 --> 00:29:00,159
what it's doing and it

812
00:29:03,190 --> 00:29:02,080
tries to resist and even to try to

813
00:29:05,830 --> 00:29:03,200

destroy

814

00:29:07,029 --> 00:29:05,840

that force now that that story exists in

815

00:29:10,230 --> 00:29:07,039

iroquois

816

00:29:12,710 --> 00:29:10,240

legends it exists in chinese

817

00:29:13,430 --> 00:29:12,720

8th century literature you know it's

818

00:29:17,669 --> 00:29:13,440

it's there

819

00:29:19,909 --> 00:29:17,679

inward mythology

820

00:29:22,070 --> 00:29:19,919

what is this that we're seeing i think

821

00:29:25,269 --> 00:29:22,080

it is an understanding

822

00:29:28,870 --> 00:29:25,279

that there is a part of us that is

823

00:29:31,990 --> 00:29:28,880

somehow unwilling to accept um

824

00:29:33,830 --> 00:29:32,000

that it knows very little

825

00:29:35,909 --> 00:29:33,840

and if only more people einstein

826

00:29:36,870 --> 00:29:35,919

actually said in the letter to the queen

827

00:29:40,230 --> 00:29:36,880

of belgium

828

00:29:42,710 --> 00:29:40,240

he said if more people understood how

829

00:29:46,870 --> 00:29:42,720

very little we know the world would be a

830

00:29:50,230 --> 00:29:48,870

speaking of stories i'm reminded of one

831

00:29:51,590 --> 00:29:50,240

by hildegard the bingham

832

00:29:53,350 --> 00:29:51,600

it's one of my favorite quotes i'm not

833

00:29:54,470 --> 00:29:53,360

sure if you're aware of it but it goes

834

00:29:56,950 --> 00:29:54,480

something like this

835

00:29:57,510 --> 00:29:56,960

and pride germinated in the first angel

836

00:29:59,110 --> 00:29:57,520

as he

837

00:30:01,830 --> 00:29:59,120

could no longer comprehend the source of

838

00:30:03,510 --> 00:30:01,840

his own light and so he spoke to himself

839

00:30:05,190 --> 00:30:03,520

i want to be master and want none above

840

00:30:07,350 --> 00:30:05,200

me and that one is powerful

841

00:30:08,630 --> 00:30:07,360

i think about that often because in one

842

00:30:10,870 --> 00:30:08,640

so the first angel satan

843

00:30:12,149 --> 00:30:10,880

and then two through his own radiance he

844

00:30:13,909 --> 00:30:12,159

couldn't comprehend the source of his

845

00:30:17,350 --> 00:30:13,919

own light and then three

846

00:30:18,549 --> 00:30:17,360

and so he spoke to himself and so he

847

00:30:20,789 --> 00:30:18,559

spoke to himself

848

00:30:22,870 --> 00:30:20,799

and that to me is there's something

849

00:30:24,549 --> 00:30:22,880

about being overly self-conscious and

850

00:30:26,710 --> 00:30:24,559

and just simply speaking to yourself and

851

00:30:29,029 --> 00:30:26,720

not talking to others

852

00:30:30,389 --> 00:30:29,039

that breeds well it it reinforces

853

00:30:31,909 --> 00:30:30,399

arrogance but it also wants you

854

00:30:34,830 --> 00:30:31,919

there's something there's something evil

855

00:30:37,909 --> 00:30:37,510

yes i'm interested that you use that

856

00:30:39,669 --> 00:30:37,919

word

857

00:30:41,110 --> 00:30:39,679

most people these days are frightened of

858

00:30:42,549 --> 00:30:41,120

using it

859

00:30:45,669 --> 00:30:42,559

having spent a long time as a

860

00:30:50,149 --> 00:30:45,679

psychiatrist i've certainly seen

861

00:30:51,110 --> 00:30:50,159

sickness and i've seen unhappiness but i

862

00:30:54,710 --> 00:30:51,120

have also

863

00:30:58,230 --> 00:30:54,720

at times seen evil

864

00:31:00,389 --> 00:30:58,240

something that is not fueled by any need

865

00:31:01,750 --> 00:31:00,399

or anything except the desire to destroy

866

00:31:04,870 --> 00:31:01,760

and to hurt

867

00:31:06,149 --> 00:31:04,880

and i think that does exist in all

868

00:31:08,230 --> 00:31:06,159

cultures people

869

00:31:10,789 --> 00:31:08,240

have thought that he did and that it's

870

00:31:14,149 --> 00:31:10,799

probably not just confined to us

871

00:31:15,590 --> 00:31:14,159

so i mean the absolute locus classicus

872

00:31:18,630 --> 00:31:15,600

in the west is

873

00:31:20,389 --> 00:31:18,640

milton's paradise lost which is whose

874

00:31:22,070 --> 00:31:20,399

theme is entirely this

875

00:31:24,470 --> 00:31:22,080

because of course it was lucifer the

876

00:31:26,950 --> 00:31:24,480

lightbringer as the name means

877

00:31:28,230 --> 00:31:26,960

who became the chief of the of the

878

00:31:31,110 --> 00:31:28,240

devils

879

00:31:33,029 --> 00:31:31,120

and in that sense he was exactly like

880

00:31:34,630 --> 00:31:33,039

the emissary to the master because in

881

00:31:36,389 --> 00:31:34,640

the story of that

882

00:31:38,070 --> 00:31:36,399

the reason the master points the

883

00:31:41,110 --> 00:31:38,080

emissary is that he's

884

00:31:42,710 --> 00:31:41,120

such a good emissary the trouble is he's

885

00:31:46,070 --> 00:31:42,720

not a very good master

886

00:31:47,110 --> 00:31:46,080

and this this unequal dynamic is very

887

00:31:48,630 --> 00:31:47,120

important and i think it's very

888

00:31:49,590 --> 00:31:48,640

difficult people to understand these

889

00:31:52,470 --> 00:31:49,600

days

890

00:31:54,070 --> 00:31:52,480

because we'd like to think in a rather

891

00:31:55,350 --> 00:31:54,080

left hemisphere way that things should

892

00:31:57,029 --> 00:31:55,360

be just symmetrical

893

00:32:00,149 --> 00:31:57,039

that if there's a and b they should be

894

00:32:01,669 --> 00:32:00,159

just symmetrical but they may not be one

895

00:32:02,870 --> 00:32:01,679

of them may be much more important and

896

00:32:06,149 --> 00:32:02,880

creative than the other

897

00:32:07,029 --> 00:32:06,159

so i think these drives if you like that

898

00:32:10,950 --> 00:32:07,039

are in things

899

00:32:12,870 --> 00:32:10,960

are are different not necessarily easily

900

00:32:14,549 --> 00:32:12,880

reconciled

901
00:32:16,310 --> 00:32:14,559
um and this has nothing to do with a

902
00:32:16,870 --> 00:32:16,320
particularly religious point of view i

903
00:32:19,830 --> 00:32:16,880
i'm

904
00:32:21,669 --> 00:32:19,840
sorry to say that i don't really i mean

905
00:32:22,470 --> 00:32:21,679
i certainly honor religions and

906
00:32:24,710 --> 00:32:22,480
spiritual

907
00:32:26,470 --> 00:32:24,720
traditions but i i don't myself feel

908
00:32:29,350 --> 00:32:26,480
that i have any

909
00:32:30,230 --> 00:32:29,360
particular connection to to the divine

910
00:32:32,710 --> 00:32:30,240
but i do

911
00:32:33,990 --> 00:32:32,720
i would hate to lose the sense that

912
00:32:35,669 --> 00:32:34,000
there is something

913
00:32:38,230 --> 00:32:35,679

beyond the material that is very

914

00:32:41,350 --> 00:32:38,240

important and powerful and beautiful

915

00:32:43,110 --> 00:32:41,360

in this world

916

00:32:45,269 --> 00:32:43,120

part of why your book is so fascinating

917

00:32:46,710 --> 00:32:45,279

is there are sentences

918

00:32:49,190 --> 00:32:46,720

embedded within paragraphs which are

919

00:32:51,430 --> 00:32:49,200

already far-reaching implications

920

00:32:52,389 --> 00:32:51,440

so there's a set of three sentences i

921

00:32:54,149 --> 00:32:52,399

don't recall where

922

00:32:55,509 --> 00:32:54,159

somewhere chapter seven chapter eight i

923

00:32:55,990 --> 00:32:55,519

wish i had written them down but i just

924

00:32:57,669 --> 00:32:56,000

wrote down

925

00:32:59,110 --> 00:32:57,679

a note what you've done in these three

926
00:33:01,909 --> 00:32:59,120
sentences is connect

927
00:33:03,750 --> 00:33:01,919
nihilism borderism sorry boredom the

928
00:33:05,509 --> 00:33:03,760
platonic realm of timelessness

929
00:33:07,269 --> 00:33:05,519
and then to me that also connects

930
00:33:08,549 --> 00:33:07,279
eastern mysticism and then the idea of

931
00:33:09,909 --> 00:33:08,559
the present moment

932
00:33:11,669 --> 00:33:09,919
as for the exact connection the

933
00:33:12,870 --> 00:33:11,679
relations between those i'm still

934
00:33:15,269 --> 00:33:12,880
cogitating i'm still trying to

935
00:33:17,990 --> 00:33:15,279
understand but you said that

936
00:33:19,430 --> 00:33:18,000
in an almost an offhand with an offhand

937
00:33:20,870 --> 00:33:19,440
remark and i was wondering i don't know

938
00:33:24,789 --> 00:33:20,880

if you realize the profundity

939

00:33:27,430 --> 00:33:24,799

of those statements

940

00:33:28,950 --> 00:33:27,440

i don't remember actually the words but

941

00:33:30,630 --> 00:33:28,960

i could have said something like that

942

00:33:33,430 --> 00:33:30,640

definitely

943

00:33:35,669 --> 00:33:33,440

i i know i say which i think believe is

944

00:33:36,470 --> 00:33:35,679

correct that the concept of boredom and

945

00:33:39,430 --> 00:33:36,480

the word for

946

00:33:41,029 --> 00:33:39,440

boredom arose in the 18th century when

947

00:33:43,110 --> 00:33:41,039

we first began to

948

00:33:44,870 --> 00:33:43,120

feel that we really had control of

949

00:33:48,149 --> 00:33:44,880

everything and that the whole

950

00:33:51,190 --> 00:33:48,159

of life and the world around us was

951
00:33:53,029 --> 00:33:51,200
under human uh control we could have it

952
00:33:55,269 --> 00:33:53,039
the way we wanted it

953
00:33:57,430 --> 00:33:55,279
and it was then that people started to

954
00:34:00,470 --> 00:33:57,440
feel the sense of emptiness of

955
00:34:03,990 --> 00:34:00,480
as you say the beginnings of nihilism

956
00:34:06,630 --> 00:34:04,000
um and so on so i do think it's very

957
00:34:08,310 --> 00:34:06,640
interesting and in in the book that i

958
00:34:10,069 --> 00:34:08,320
i've said an awful lot more about all

959
00:34:11,510 --> 00:34:10,079
this in the in the book i'm

960
00:34:13,829 --> 00:34:11,520
i've just written called the matter with

961
00:34:16,310 --> 00:34:13,839
things um

962
00:34:17,030 --> 00:34:16,320
and the last part of the book i look at

963
00:34:21,109 --> 00:34:17,040

the

964

00:34:22,149 --> 00:34:21,119

daring thing or perhaps a stupid thing

965

00:34:25,270 --> 00:34:22,159

for somebody

966

00:34:27,589 --> 00:34:25,280

to do unless they they think they

967

00:34:29,030 --> 00:34:27,599

they somehow have an insight into into

968

00:34:32,790 --> 00:34:29,040

physics which i i

969

00:34:35,430 --> 00:34:32,800

i i rely very much on colleagues and on

970

00:34:38,230 --> 00:34:35,440

guidance from physicists but to talk

971

00:34:39,990 --> 00:34:38,240

about time and space

972

00:34:41,990 --> 00:34:40,000

and i think these things are very very

973

00:34:42,950 --> 00:34:42,000

important and one of the things that

974

00:34:46,470 --> 00:34:42,960

people

975

00:34:48,790 --> 00:34:46,480

believe in the real world a lot of

976
00:34:52,310 --> 00:34:48,800
people who have a spiritual take think

977
00:34:53,990 --> 00:34:52,320
really time is an illusion really time

978
00:34:57,510 --> 00:34:54,000
is just a mistake

979
00:35:00,630 --> 00:34:57,520
it doesn't really exist but

980
00:35:03,750 --> 00:35:00,640
i with lee smolin who i

981
00:35:07,030 --> 00:35:03,760
very much admire um who's

982
00:35:09,910 --> 00:35:07,040
gonna be interviewing lee oh

983
00:35:11,349 --> 00:35:09,920
well for what he's worth i i'm an

984
00:35:13,990 --> 00:35:11,359
acolyte i think he's

985
00:35:16,069 --> 00:35:14,000
he's very very interesting and i quote

986
00:35:19,829 --> 00:35:16,079
him a lot in in my new book

987
00:35:21,670 --> 00:35:19,839
but with him i think i'm right in saying

988
00:35:23,910 --> 00:35:21,680

i consider that you know time is

989

00:35:27,109 --> 00:35:23,920
absolutely

990

00:35:30,550 --> 00:35:27,119
primary ontologically speaking

991

00:35:34,550 --> 00:35:30,560
and there is a saying of dogen

992

00:35:37,990 --> 00:35:34,560
chinese sage that even god cannot

993

00:35:42,150 --> 00:35:40,150
now you can i mean that would be a

994

00:35:44,230 --> 00:35:42,160
fascinating conversation all on its own

995

00:35:45,270 --> 00:35:44,240
but there is such a thing as time moving

996

00:35:49,270 --> 00:35:45,280
and developing

997

00:35:51,190 --> 00:35:49,280
and at the same time not running away

998

00:35:52,630 --> 00:35:51,200
an image i quite like is the idea of

999

00:35:54,390 --> 00:35:52,640
being in a stream

1000

00:35:55,910 --> 00:35:54,400
and if you move with the stream you

1001
00:35:57,910 --> 00:35:55,920
don't stop the stream moving

1002
00:35:59,829 --> 00:35:57,920
but as far as you are concerned the

1003
00:36:01,990 --> 00:35:59,839
world is permanently there with you

1004
00:36:04,470 --> 00:36:02,000
because you are moving with that stream

1005
00:36:06,069 --> 00:36:04,480
it's only if you're standing on the bank

1006
00:36:08,470 --> 00:36:06,079
impatiently with a clipboard and a

1007
00:36:11,750 --> 00:36:08,480
stopwatch watching things pass

1008
00:36:13,910 --> 00:36:11,760
and from outside that time appears to

1009
00:36:16,230 --> 00:36:13,920
have this erosive quality

1010
00:36:17,349 --> 00:36:16,240
um instead it's part of the experience

1011
00:36:19,190 --> 00:36:17,359
of becoming

1012
00:36:22,230 --> 00:36:19,200
which is what it is to be a human

1013
00:36:26,870 --> 00:36:25,430

speaking of streams and time

1014

00:36:28,710 --> 00:36:26,880

is river this is mentioned quite a bit

1015

00:36:32,230 --> 00:36:28,720

in your book and i have a

1016

00:36:35,510 --> 00:36:33,510

it's okay i'm just going to read it

1017

00:36:36,069 --> 00:36:35,520

because i don't have it in my working

1018

00:36:38,390 --> 00:36:36,079

memory

1019

00:36:39,910 --> 00:36:38,400

so the right brain is the type that when

1020

00:36:41,109 --> 00:36:39,920

i say right brain i mean hemisphere so

1021

00:36:42,150 --> 00:36:41,119

the right hemisphere is the type that

1022

00:36:43,990 --> 00:36:42,160

would come up with the statement that

1023

00:36:45,910 --> 00:36:44,000

there's unceasing change

1024

00:36:47,109 --> 00:36:45,920

it's constantly constantly changing and

1025

00:36:48,470 --> 00:36:47,119

then the left is the one that needs to

1026

00:36:50,790 --> 00:36:48,480

stand back and abstract

1027

00:36:52,310 --> 00:36:50,800

and see some constancy and then it made

1028

00:36:53,990 --> 00:36:52,320

me think about time and then the arrow

1029

00:36:55,190 --> 00:36:54,000

of physics

1030

00:36:56,710 --> 00:36:55,200

and i'm wondering if you had any

1031

00:36:59,829 --> 00:36:56,720

thoughts on the nature of time or the

1032

00:37:05,510 --> 00:36:59,839

nature of era of time and physics

1033

00:37:10,470 --> 00:37:07,589

how good they are but i i've thought

1034

00:37:13,349 --> 00:37:10,480

about it an enormous amount

1035

00:37:14,790 --> 00:37:13,359

and physicists themselves are divided on

1036

00:37:16,630 --> 00:37:14,800

the arrow of time

1037

00:37:18,150 --> 00:37:16,640

but i tend to be with those who say that

1038

00:37:20,790 --> 00:37:18,160

without the arrow of time

1039

00:37:21,589 --> 00:37:20,800

nothing could mean or be anything at all

1040

00:37:24,790 --> 00:37:21,599

that all

1041

00:37:26,950 --> 00:37:24,800

that we know of physics even down to the

1042

00:37:28,710 --> 00:37:26,960

you know the most rarefied kind of

1043

00:37:30,550 --> 00:37:28,720

contemporary physique

1044

00:37:32,069 --> 00:37:30,560

none of it could be without the

1045

00:37:33,829 --> 00:37:32,079

existence of time

1046

00:37:35,829 --> 00:37:33,839

there could be no processes in fact

1047

00:37:38,069 --> 00:37:35,839

without time and i believe that this

1048

00:37:39,829 --> 00:37:38,079

processes are prior to things

1049

00:37:41,510 --> 00:37:39,839

which is partly why i entitled this book

1050

00:37:43,670 --> 00:37:41,520

the matter with things

1051
00:37:44,870 --> 00:37:43,680
it's a pun on various levels because i

1052
00:37:45,990 --> 00:37:44,880
think there's a problem with our

1053
00:37:47,589 --> 00:37:46,000
material

1054
00:37:49,750 --> 00:37:47,599
obsession and there's a problem with our

1055
00:37:52,870 --> 00:37:49,760
thinking the world is made up of things

1056
00:37:53,349 --> 00:37:52,880
so i think you know i don't take the

1057
00:37:55,589 --> 00:37:53,359
block

1058
00:37:56,950 --> 00:37:55,599
theory of time you know that it's really

1059
00:37:59,829 --> 00:37:56,960
a static thing but we just

1060
00:38:01,510 --> 00:37:59,839
move about it nor do i take the view

1061
00:38:07,589 --> 00:38:01,520
that

1062
00:38:09,750 --> 00:38:07,599
most of the philosophers who've tried to

1063
00:38:11,670 --> 00:38:09,760

approach time

1064

00:38:13,270 --> 00:38:11,680

with the single exception of bergson

1065

00:38:16,710 --> 00:38:13,280

seem to me to have

1066

00:38:18,630 --> 00:38:16,720

confused what they're talking about and

1067

00:38:19,829 --> 00:38:18,640

unfortunately most people nowadays don't

1068

00:38:23,589 --> 00:38:19,839

read bergson

1069

00:38:27,190 --> 00:38:23,599

is they've inherited a prejudice

1070

00:38:29,109 --> 00:38:27,200

that somehow bergson was wrong

1071

00:38:30,550 --> 00:38:29,119

because he had a debate with einstein in

1072

00:38:31,589 --> 00:38:30,560

which it said he didn't understand

1073

00:38:35,349 --> 00:38:31,599

einstein

1074

00:38:36,790 --> 00:38:35,359

didn't understand bergson

1075

00:38:38,870 --> 00:38:36,800

they were looking at two different

1076

00:38:41,430 --> 00:38:38,880

things and they weren't necessarily at

1077

00:38:43,270 --> 00:38:41,440

odds with one another

1078

00:38:45,510 --> 00:38:43,280

einstein was looking at a kind of time

1079

00:38:48,710 --> 00:38:45,520

like a clock time

1080

00:38:50,710 --> 00:38:48,720

whereas bergson was looking at time

1081

00:38:52,950 --> 00:38:50,720

as not something that can be measured in

1082

00:38:56,069 --> 00:38:52,960

that way and

1083

00:38:59,670 --> 00:38:56,079

the distinction between a flow

1084

00:39:01,750 --> 00:38:59,680

and a series is absolutely fundamental

1085

00:39:05,030 --> 00:39:01,760

and bergson spent most of his life

1086

00:39:07,829 --> 00:39:05,040

trying to help people see why this was

1087

00:39:09,190 --> 00:39:07,839

so fundamental and when i saw it it was

1088

00:39:11,510 --> 00:39:09,200

absolutely one of the three or four

1089

00:39:13,589 --> 00:39:11,520

great eureka moments of my life

1090

00:39:15,430 --> 00:39:13,599

i saw that a lot of the problems that we

1091

00:39:16,950 --> 00:39:15,440

have philosophically speaking and with

1092

00:39:20,390 --> 00:39:16,960

our attitude to the world

1093

00:39:21,109 --> 00:39:20,400

come from us having seen a seamless

1094

00:39:23,910 --> 00:39:21,119

motion

1095

00:39:24,870 --> 00:39:23,920

as a concatenation of an infinite number

1096

00:39:26,950 --> 00:39:24,880

of slices

1097

00:39:29,030 --> 00:39:26,960

that sounds like an almost technical

1098

00:39:32,390 --> 00:39:29,040

difference but in fact

1099

00:39:35,030 --> 00:39:32,400

it goes right to the core of

1100

00:39:37,750 --> 00:39:35,040

the two versions of the world that come

1101
00:39:40,150 --> 00:39:37,760
into being because the left hemisphere

1102
00:39:41,430 --> 00:39:40,160
is always trying to stop time it's

1103
00:39:43,510 --> 00:39:41,440
always trying to freeze time

1104
00:39:45,270 --> 00:39:43,520
because imagine its idea is to pick

1105
00:39:48,230 --> 00:39:45,280
something up or to catch something

1106
00:39:49,030 --> 00:39:48,240
so it it wants to freeze it and catch it

1107
00:39:52,230 --> 00:39:49,040
and get

1108
00:39:54,310 --> 00:39:52,240
it and have it and hold it but you know

1109
00:39:55,430 --> 00:39:54,320
as goethe said as blake said when you

1110
00:39:58,630 --> 00:39:55,440
try to freeze

1111
00:40:01,670 --> 00:39:58,640
the fleeing moment then you're lost

1112
00:40:05,349 --> 00:40:01,680
because all is in this process

1113
00:40:06,630 --> 00:40:05,359

of change and flow and it's respecting

1114

00:40:10,710 --> 00:40:06,640

that

1115

00:40:12,950 --> 00:40:10,720

wise not

1116

00:40:14,550 --> 00:40:12,960

trying to resist it or pretend it

1117

00:40:16,790 --> 00:40:14,560

doesn't exist

1118

00:40:18,150 --> 00:40:16,800

so those are some of my thoughts about

1119

00:40:19,910 --> 00:40:18,160

time

1120

00:40:21,270 --> 00:40:19,920

what is the other model then so i know

1121

00:40:21,750 --> 00:40:21,280

you can't go through berkson's entire

1122

00:40:22,870 --> 00:40:21,760

model

1123

00:40:25,430 --> 00:40:22,880

and i'm assuming you're talking about

1124

00:40:28,630 --> 00:40:25,440

bergson as in henry berkson

1125

00:40:30,150 --> 00:40:28,640

absolutely yes yes okay okay yes

1126

00:40:32,309 --> 00:40:30,160

all i know about henry berkson is that

1127

00:40:33,030 --> 00:40:32,319

he's associated with bohmian mechanics

1128

00:40:34,710 --> 00:40:33,040

and i need to

1129

00:40:36,150 --> 00:40:34,720

investigate more about bergson's

1130

00:40:37,990 --> 00:40:36,160

theories i've been told to

1131

00:40:39,349 --> 00:40:38,000

so that's on my list for those who are

1132

00:40:41,990 --> 00:40:39,359

listening and are eager

1133

00:40:43,030 --> 00:40:42,000

i'm working on it what's the alternative

1134

00:40:45,349 --> 00:40:43,040

to viewing

1135

00:40:46,710 --> 00:40:45,359

time as in infinite slices infinitesimal

1136

00:40:48,630 --> 00:40:46,720

slices

1137

00:40:49,829 --> 00:40:48,640

well what he noticed and it's very

1138

00:40:51,990 --> 00:40:49,839

important

1139

00:40:53,990 --> 00:40:52,000

is that it only can be turned into

1140

00:40:55,829 --> 00:40:54,000

slices retrospectively

1141

00:40:57,910 --> 00:40:55,839

and it's like a point on a line when you

1142

00:40:59,750 --> 00:40:57,920

draw a line you don't draw

1143

00:41:01,670 --> 00:40:59,760

a point infinitely small and then

1144

00:41:02,710 --> 00:41:01,680

another one and so on you the line is

1145

00:41:05,670 --> 00:41:02,720

there

1146

00:41:07,270 --> 00:41:05,680

in retrospect you can find a point at

1147

00:41:10,309 --> 00:41:07,280

which your pencil was at

1148

00:41:12,550 --> 00:41:10,319

point a in the line you can

1149

00:41:13,510 --> 00:41:12,560

you could designate it but actually

1150

00:41:15,270 --> 00:41:13,520

there wasn't

1151

00:41:17,030 --> 00:41:15,280

a business of going from point a to

1152

00:41:18,950 --> 00:41:17,040

point b or whatever

1153

00:41:21,910 --> 00:41:18,960

similarly if you move your arm it is a

1154

00:41:24,790 --> 00:41:21,920

single seamless motion

1155

00:41:25,510 --> 00:41:24,800

and you can't say i move it to a to b to

1156

00:41:28,510 --> 00:41:25,520

c to d

1157

00:41:29,750 --> 00:41:28,520

you don't but in retrospect the

1158

00:41:33,109 --> 00:41:29,760

representation

1159

00:41:35,670 --> 00:41:33,119

of motion can be dissected

1160

00:41:37,349 --> 00:41:35,680

but motion itself can't be dissected

1161

00:41:40,230 --> 00:41:37,359

similarly the representation

1162

00:41:42,150 --> 00:41:40,240

of time can be dissected but time itself

1163

00:41:44,790 --> 00:41:42,160

can't be dissected now why that is so

1164

00:41:46,710 --> 00:41:44,800

important to me is that one of the most

1165

00:41:48,550 --> 00:41:46,720

fundamental differences between the

1166

00:41:50,910 --> 00:41:48,560

right hemisphere and the left

1167

00:41:52,390 --> 00:41:50,920

is that the left hemisphere deals with

1168

00:41:54,230 --> 00:41:52,400

representations

1169

00:41:56,309 --> 00:41:54,240

so the right hemisphere deals with

1170

00:42:00,150 --> 00:41:56,319

things as they are present

1171

00:42:03,589 --> 00:42:00,160

more so it it deals with them as they

1172

00:42:05,510 --> 00:42:03,599

presence as heidiger would have said

1173

00:42:07,109 --> 00:42:05,520

has they at the very moment that they

1174

00:42:08,950 --> 00:42:07,119

are not just present because that sounds

1175

00:42:10,710 --> 00:42:08,960

rather passive and mechanical

1176
00:42:13,030 --> 00:42:10,720
but as their presence they come into

1177
00:42:17,510 --> 00:42:13,040
being for you they come into your

1178
00:42:19,510 --> 00:42:17,520
your field of of of being an awareness

1179
00:42:21,430 --> 00:42:19,520
and the right the renee chemistry is

1180
00:42:23,190 --> 00:42:21,440
therefore with that living moment but

1181
00:42:25,109 --> 00:42:23,200
the left hemisphere

1182
00:42:26,950 --> 00:42:25,119
is categorizing things you can only

1183
00:42:29,750 --> 00:42:26,960
categorize them

1184
00:42:30,790 --> 00:42:29,760
a small time after you experience them

1185
00:42:33,910 --> 00:42:30,800
so

1186
00:42:36,950 --> 00:42:33,920
if you like its world is a world of

1187
00:42:40,069 --> 00:42:36,960
a schema a representation a map

1188
00:42:41,829 --> 00:42:40,079

which can only be made to make any sense

1189

00:42:43,510 --> 00:42:41,839

when there's something that can be

1190

00:42:43,990 --> 00:42:43,520

schematized when there's something that

1191

00:42:47,270 --> 00:42:44,000

can be

1192

00:42:49,589 --> 00:42:47,280

mapped so the difference between what is

1193

00:42:51,670 --> 00:42:49,599

in the present moment and what is

1194

00:42:55,030 --> 00:42:51,680

reflected on later

1195

00:42:57,030 --> 00:42:55,040

and dissected is profound

1196

00:42:58,710 --> 00:42:57,040

and what he noticed was that in our

1197

00:43:01,750 --> 00:42:58,720

thinking process because we stop

1198

00:43:04,630 --> 00:43:01,760

and talk and reflect on things we think

1199

00:43:05,349 --> 00:43:04,640

that we find the world as our left

1200

00:43:08,790 --> 00:43:05,359

hemisphere

1201

00:43:11,349 --> 00:43:08,800

intellect presents it as

1202

00:43:12,309 --> 00:43:11,359

a thing that's divided up into areas and

1203

00:43:14,390 --> 00:43:12,319

so on whereas

1204

00:43:16,230 --> 00:43:14,400

actually the experience of it is not

1205

00:43:19,270 --> 00:43:16,240

like that and because we're so

1206

00:43:22,870 --> 00:43:21,349

to seeing it the left hemisphere way

1207

00:43:24,390 --> 00:43:22,880

most people wouldn't see what i'm

1208

00:43:26,550 --> 00:43:24,400

talking about they just about i don't

1209

00:43:29,990 --> 00:43:26,560

know what he means by that i mean

1210

00:43:33,109 --> 00:43:30,000

how and it's almost like having to

1211

00:43:35,030 --> 00:43:33,119

see a spiritual insight or or sort of

1212

00:43:37,270 --> 00:43:35,040

you know it's almost like something one

1213

00:43:38,390 --> 00:43:37,280

would get from meditation to be able to

1214

00:43:43,030 --> 00:43:38,400

see

1215

00:43:45,589 --> 00:43:43,040

it's it's obvious it's everywhere

1216

00:43:47,069 --> 00:43:45,599

that the world is this seamless flow and

1217

00:43:48,630 --> 00:43:47,079

it's quite different from a dead

1218

00:43:51,990 --> 00:43:48,640

concatenation of

1219

00:43:55,910 --> 00:43:53,990

you point out beautifully at one point

1220

00:43:57,670 --> 00:43:55,920

that language is like money

1221

00:43:59,270 --> 00:43:57,680

and i believe it's because it only takes

1222

00:44:01,910 --> 00:43:59,280

its value at the terminus

1223

00:44:03,270 --> 00:44:01,920

but you have to cash it in so for

1224

00:44:05,109 --> 00:44:03,280

example with cash

1225

00:44:06,550 --> 00:44:05,119

it's meaningless until you buy something

1226

00:44:07,990 --> 00:44:06,560

with it and then this

1227

00:44:10,230 --> 00:44:08,000

place in which it bottoms out is the

1228

00:44:11,829 --> 00:44:10,240

body in some sense okay

1229

00:44:14,870 --> 00:44:11,839

can you explain what that what you mean

1230

00:44:21,030 --> 00:44:18,309

well again what i mean is that um

1231

00:44:22,069 --> 00:44:21,040

we can be led into thinking that the

1232

00:44:29,270 --> 00:44:22,079

world is the world

1233

00:44:33,030 --> 00:44:29,280

as we reflect on it and

1234

00:44:35,270 --> 00:44:33,040

verbalize it but

1235

00:44:36,710 --> 00:44:35,280

because that's the bit that we're used

1236

00:44:38,550 --> 00:44:36,720

to attending to in fact the right

1237

00:44:40,150 --> 00:44:38,560

hemisphere can't speak for the vision

1238

00:44:41,990 --> 00:44:40,160

that it sees

1239

00:44:43,990 --> 00:44:42,000

so it has to somehow convey to the left

1240

00:44:46,630 --> 00:44:44,000

hemisphere

1241

00:44:47,270 --> 00:44:46,640

how to use language to convey things

1242

00:44:50,390 --> 00:44:47,280

that are not

1243

00:44:53,589 --> 00:44:50,400

structured serially and analytically in

1244

00:44:55,670 --> 00:44:53,599

the way that the left hemisphere prefers

1245

00:44:56,950 --> 00:44:55,680

this is why as i mentioned earlier bohr

1246

00:44:59,349 --> 00:44:56,960

said you can only talk about

1247

00:45:00,309 --> 00:44:59,359

physics you can only talk about the

1248

00:45:02,069 --> 00:45:00,319

sacred

1249

00:45:03,990 --> 00:45:02,079

by using poetry and the whole point

1250

00:45:07,109 --> 00:45:04,000

about poetry is that it allows one to

1251
00:45:08,230 --> 00:45:07,119
see beyond the everyday meanings of

1252
00:45:10,470 --> 00:45:08,240
words to

1253
00:45:11,510 --> 00:45:10,480
a web of interconnected meanings that

1254
00:45:14,230 --> 00:45:11,520
are hinted at

1255
00:45:15,589 --> 00:45:14,240
so in a good poem a phrase has

1256
00:45:17,750 --> 00:45:15,599
resonances that may set

1257
00:45:19,430 --> 00:45:17,760
seven or eight different things going in

1258
00:45:23,030 --> 00:45:19,440
your mind rather than

1259
00:45:26,230 --> 00:45:23,040
the clinical and illusory

1260
00:45:28,390 --> 00:45:26,240
uh antiseptic nature of

1261
00:45:29,510 --> 00:45:28,400
the words taken out of context and put

1262
00:45:33,349 --> 00:45:29,520
into a kind of

1263
00:45:36,790 --> 00:45:33,359

manual of instruction so

1264

00:45:37,910 --> 00:45:36,800

words arise out of our bodies they arise

1265

00:45:40,950 --> 00:45:37,920

historically

1266

00:45:43,510 --> 00:45:40,960

out of emotional responses

1267

00:45:44,950 --> 00:45:43,520

animals in their own way have a kind of

1268

00:45:48,069 --> 00:45:44,960

very primitive language

1269

00:45:48,790 --> 00:45:48,079

they make sounds that mean things and

1270

00:45:52,150 --> 00:45:48,800

they express

1271

00:45:54,710 --> 00:45:52,160

themselves in gesture and in words

1272

00:45:56,069 --> 00:45:54,720

and there's a very long-standing

1273

00:46:01,349 --> 00:45:56,079

tradition

1274

00:46:05,589 --> 00:46:01,359

um coming forth into the 20th century

1275

00:46:07,990 --> 00:46:05,599

that language evolved out of

1276
00:46:08,870 --> 00:46:08,000
the generation of embodied meaning in

1277
00:46:10,870 --> 00:46:08,880
sound

1278
00:46:12,790 --> 00:46:10,880
in other words out of music and this is

1279
00:46:14,550 --> 00:46:12,800
where although i very much admire

1280
00:46:16,390 --> 00:46:14,560
stephen pinker in many ways i do

1281
00:46:18,710 --> 00:46:16,400
rather take issue with his notion that

1282
00:46:20,790 --> 00:46:18,720
music is sort of about as useful as

1283
00:46:24,470 --> 00:46:20,800
pornography or cheesecake

1284
00:46:28,309 --> 00:46:24,480
music is terrifically profound

1285
00:46:29,990 --> 00:46:28,319
and is um is actually

1286
00:46:31,430 --> 00:46:30,000
more profound than language which is why

1287
00:46:32,470 --> 00:46:31,440
we often say well it's beyond me to

1288
00:46:34,710 --> 00:46:32,480

express and

1289

00:46:37,430 --> 00:46:34,720

and so forth but it's not just the very

1290

00:46:39,510 --> 00:46:37,440

rarified things that are beyond language

1291

00:46:40,950 --> 00:46:39,520

the philosopher brian mcgee makes a very

1292

00:46:43,829 --> 00:46:40,960

good point

1293

00:46:45,030 --> 00:46:43,839

that from the the most exalted things to

1294

00:46:48,150 --> 00:46:45,040

the most humble things

1295

00:46:49,829 --> 00:46:48,160

so he says for example the the towel

1296

00:46:52,230 --> 00:46:49,839

that i've dropped on the bathroom floor

1297

00:46:53,750 --> 00:46:52,240

there is no language to describe the

1298

00:46:56,470 --> 00:46:53,760

shades of color in it

1299

00:46:58,309 --> 00:46:56,480

the configuration of the folds the way

1300

00:46:59,190 --> 00:46:58,319

in which it relates to everything else

1301
00:47:01,190 --> 00:46:59,200
in the room

1302
00:47:02,309 --> 00:47:01,200
and yet my consciousness immediately

1303
00:47:05,109 --> 00:47:02,319
takes all that in

1304
00:47:06,870 --> 00:47:05,119
i'm aware of it i know it but there's no

1305
00:47:09,990 --> 00:47:06,880
way i can do it in language

1306
00:47:10,790 --> 00:47:10,000
and how can i say leonardo's supper you

1307
00:47:13,750 --> 00:47:10,800
know how

1308
00:47:16,150 --> 00:47:13,760
how do you so language we we we fool

1309
00:47:18,390 --> 00:47:16,160
ourselves when we think that language

1310
00:47:20,630 --> 00:47:18,400
is where we live language is something

1311
00:47:21,430 --> 00:47:20,640
we use to try and communicate a certain

1312
00:47:24,390 --> 00:47:21,440
level

1313
00:47:26,150 --> 00:47:24,400

of meaning about the world but not all

1314

00:47:28,790 --> 00:47:26,160

of its meaning

1315

00:47:30,950 --> 00:47:28,800

so what if someone says we can using

1316

00:47:33,430 --> 00:47:30,960

language or some language

1317

00:47:35,430 --> 00:47:33,440

give a representation a fairly accurate

1318

00:47:36,870 --> 00:47:35,440

one of the last supper

1319

00:47:39,430 --> 00:47:36,880

by taking a picture of it and then the

1320

00:47:41,349 --> 00:47:39,440

zeros and ones that are the rgb values

1321

00:47:42,470 --> 00:47:41,359

you're not able to read and consciously

1322

00:47:44,710 --> 00:47:42,480

comprehend it as a

1323

00:47:46,069 --> 00:47:44,720

human being but in some way shape or

1324

00:47:48,870 --> 00:47:46,079

form it's information

1325

00:47:50,390 --> 00:47:48,880

what if someone says that well they've

1326

00:47:52,230 --> 00:47:50,400

just

1327

00:47:54,230 --> 00:47:52,240

definitely sidestepped the problem by

1328

00:47:56,870 --> 00:47:54,240

saying if we take all these

1329

00:47:58,069 --> 00:47:56,880

um ones and zeroes which if you look at

1330

00:48:00,150 --> 00:47:58,079

them and i look at them

1331

00:48:01,829 --> 00:48:00,160

there's no last supper there we can put

1332

00:48:04,390 --> 00:48:01,839

them into a machine which creates a

1333

00:48:07,349 --> 00:48:04,400

simulacrum we've developed a machine

1334

00:48:07,670 --> 00:48:07,359

with instructions on make this come to

1335

00:48:09,990 --> 00:48:07,680

be

1336

00:48:11,349 --> 00:48:10,000

something like the last supper so that's

1337

00:48:13,670 --> 00:48:11,359

really

1338

00:48:15,829 --> 00:48:13,680

that's just a way of circumventing the

1339

00:48:16,390 --> 00:48:15,839

point which it has not been expressed in

1340

00:48:18,630 --> 00:48:16,400

words

1341

00:48:20,630 --> 00:48:18,640

it i mean there are certain things you

1342

00:48:22,470 --> 00:48:20,640

can try to express in words but you you

1343

00:48:24,069 --> 00:48:22,480

immediately come down to a handful of

1344

00:48:26,549 --> 00:48:24,079

clichéd terms

1345

00:48:27,270 --> 00:48:26,559

as nietzsche says language makes the

1346

00:48:29,349 --> 00:48:27,280

uncommon

1347

00:48:30,950 --> 00:48:29,359

common you know because there's only so

1348

00:48:33,510 --> 00:48:30,960

many words you can use to describe

1349

00:48:35,510 --> 00:48:33,520

someone's appearance you know they're

1350

00:48:37,349 --> 00:48:35,520

tall or short or thin or fat or black or

1351

00:48:39,750 --> 00:48:37,359

white or whatever they are

1352

00:48:40,790 --> 00:48:39,760

and they have this colored hair and that

1353

00:48:42,950 --> 00:48:40,800

colored eyes and

1354

00:48:44,390 --> 00:48:42,960

so on but that doesn't get you any

1355

00:48:48,710 --> 00:48:44,400

nearer to what your

1356

00:48:51,270 --> 00:48:48,720

your loved one looks like you know so uh

1357

00:48:53,270 --> 00:48:51,280

language is a a very useful tool but

1358

00:48:55,750 --> 00:48:53,280

that's all it is

1359

00:48:57,030 --> 00:48:55,760

and it it comes about we learn language

1360

00:48:57,750 --> 00:48:57,040

and i know you're going to be talking to

1361

00:49:00,950 --> 00:48:57,760

chomsky

1362

00:49:01,990 --> 00:49:00,960

and you may have noticed that i gently

1363

00:49:05,030 --> 00:49:02,000

disagree

1364

00:49:05,349 --> 00:49:05,040

with the i dare to gently decrease but

1365

00:49:06,549 --> 00:49:05,359

i'm

1366

00:49:08,790 --> 00:49:06,559

encouraged by the fact lots of other

1367

00:49:12,069 --> 00:49:08,800

people do too with the idea that

1368

00:49:14,710 --> 00:49:12,079

it is something like um

1369

00:49:15,990 --> 00:49:14,720

an abstract system in in the brain like

1370

00:49:18,150 --> 00:49:16,000

it could be in a computer

1371

00:49:20,790 --> 00:49:18,160

waiting for stuff to be filled in

1372

00:49:23,109 --> 00:49:20,800

because in fact we develop language

1373

00:49:25,829 --> 00:49:23,119

through the process of interrelationship

1374

00:49:29,030 --> 00:49:25,839

with other people in an embodied way

1375

00:49:31,030 --> 00:49:29,040

which involves emotion and

1376

00:49:32,390 --> 00:49:31,040

feeling and gesture and so on this is

1377

00:49:35,430 --> 00:49:32,400

how children learn

1378

00:49:38,549 --> 00:49:35,440

words um and

1379

00:49:39,270 --> 00:49:38,559

so language has its roots in emotion and

1380

00:49:41,510 --> 00:49:39,280

the body

1381

00:49:42,309 --> 00:49:41,520

it's not some abstract clinical thing

1382

00:49:45,910 --> 00:49:42,319

that then gets

1383

00:49:48,870 --> 00:49:45,920

clothed in emotion in the body it starts

1384

00:49:49,430 --> 00:49:48,880

from those places that's my point

1385

00:49:51,030 --> 00:49:49,440

metaphor

1386

00:49:52,870 --> 00:49:51,040

is language is cure for the ills

1387

00:49:55,829 --> 00:49:52,880

entailed to abide language

1388

00:49:56,870 --> 00:49:55,839

explain that that's another one that's

1389

00:49:58,309 --> 00:49:56,880

just beautiful

1390

00:50:01,829 --> 00:49:58,319

that's a quote okay well it's a

1391

00:50:09,190 --> 00:50:05,670

well it tries to compress the idea

1392

00:50:11,750 --> 00:50:09,200

that what are the ills i'm referring to

1393

00:50:14,710 --> 00:50:11,760

well the ills are

1394

00:50:15,670 --> 00:50:14,720

as i say that something that is only a

1395

00:50:18,069 --> 00:50:15,680

symbol

1396

00:50:20,630 --> 00:50:18,079

or representation of something has to

1397

00:50:23,190 --> 00:50:20,640

the thing that it represents

1398

00:50:23,990 --> 00:50:23,200

and in this way it's like money that

1399

00:50:27,030 --> 00:50:24,000

money can

1400

00:50:29,030 --> 00:50:27,040

mean ultimately that i can

1401

00:50:31,109 --> 00:50:29,040

have lunch tomorrow with a friend or i

1402

00:50:34,150 --> 00:50:31,119

can you know buy a car or whatever it is

1403

00:50:37,190 --> 00:50:34,160

but the the

1404

00:50:39,349 --> 00:50:37,200

money itself only has that quality when

1405

00:50:40,630 --> 00:50:39,359

it's cashed back into life which is very

1406

00:50:42,390 --> 00:50:40,640

complex thing

1407

00:50:43,910 --> 00:50:42,400

and language is rather like this we can

1408

00:50:46,150 --> 00:50:43,920

refer to things

1409

00:50:48,150 --> 00:50:46,160

but the experience that we refer to is

1410

00:50:51,430 --> 00:50:48,160

no longer in

1411

00:50:53,349 --> 00:50:51,440

the representation or the reference it's

1412

00:50:55,190 --> 00:50:53,359

it's implied by it that it isn't

1413

00:50:58,390 --> 00:50:55,200

actually

1414

00:51:00,630 --> 00:50:58,400

there but that doesn't matter because

1415

00:51:02,790 --> 00:51:00,640

we think metaphorically all the time and

1416

00:51:04,710 --> 00:51:02,800

all language is metaphorical

1417

00:51:06,790 --> 00:51:04,720

interestingly the language of science

1418

00:51:08,230 --> 00:51:06,800

and philosophy is particularly heavily

1419

00:51:10,870 --> 00:51:08,240

dependent on for on

1420

00:51:11,990 --> 00:51:10,880

metaphor a point made by lakov and

1421

00:51:15,270 --> 00:51:12,000

johnson in their

1422

00:51:18,710 --> 00:51:15,280

wonderful books metaphors we live by and

1423

00:51:25,190 --> 00:51:22,069

so um metaphor

1424

00:51:27,510 --> 00:51:25,200

literally means a carrying a cross

1425

00:51:28,230 --> 00:51:27,520

and so if you imagine there is this sort

1426

00:51:32,150 --> 00:51:28,240

of

1427

00:51:36,230 --> 00:51:32,160

divide or gulf between

1428

00:51:38,390 --> 00:51:36,240

what the word love means and the

1429

00:51:41,750 --> 00:51:38,400

experience of love

1430

00:51:43,430 --> 00:51:41,760

metaphors can carry us across that

1431

00:51:45,670 --> 00:51:43,440

linguistic divide

1432

00:51:46,470 --> 00:51:45,680

they can take us back to the experience

1433

00:51:48,549 --> 00:51:46,480

of love

1434

00:51:50,870 --> 00:51:48,559

and so something as metaphorical as a

1435

00:51:51,750 --> 00:51:50,880

shakespeare play or at a piece of music

1436

00:51:54,710 --> 00:51:51,760

or whatever

1437

00:51:55,750 --> 00:51:54,720

and music is metaphorical it uses

1438

00:51:58,390 --> 00:51:55,760

metaphors based

1439

00:51:59,910 --> 00:51:58,400

on bodily movements so risings and

1440

00:52:02,309 --> 00:51:59,920

fallings and

1441

00:52:03,109 --> 00:52:02,319

resonances and all those things that are

1442

00:52:05,910 --> 00:52:03,119

experienced

1443

00:52:06,790 --> 00:52:05,920

in a bodily sense so these things are

1444

00:52:09,829 --> 00:52:06,800

evoked

1445

00:52:12,470 --> 00:52:09,839

in great art in ritual in religion and

1446

00:52:13,430 --> 00:52:12,480

in narratives in mythology and and so

1447

00:52:16,230 --> 00:52:13,440

forth

1448

00:52:18,230 --> 00:52:16,240

and they take us back across the divide

1449

00:52:19,829 --> 00:52:18,240

from those sterile words

1450

00:52:21,430 --> 00:52:19,839

to the thing that those words were

1451

00:52:25,030 --> 00:52:21,440

trying but not

1452

00:52:28,150 --> 00:52:27,589

speaking of lakov and johnson you

1453

00:52:29,910 --> 00:52:28,160

mentioned

1454

00:52:31,510 --> 00:52:29,920

well it's in your book a couple quotes

1455

00:52:32,950 --> 00:52:31,520

from them one is that

1456

00:52:34,230 --> 00:52:32,960

reason doesn't separate us from the

1457

00:52:35,430 --> 00:52:34,240

animals but instead puts us on a

1458

00:52:38,790 --> 00:52:35,440

continuum with it

1459

00:52:39,990 --> 00:52:38,800

because we're well reason is predicated

1460

00:52:42,870 --> 00:52:40,000

in embodiment

1461

00:52:43,589 --> 00:52:42,880

now i'm wondering if you can explain

1462

00:52:45,589 --> 00:52:43,599

that because

1463

00:52:46,950 --> 00:52:45,599

reason to me has to do with logical

1464

00:52:47,510 --> 00:52:46,960

inference and so on like if then

1465

00:52:49,349 --> 00:52:47,520

statements

1466

00:52:53,270 --> 00:52:49,359

how is an if then statement related to

1467

00:52:56,309 --> 00:52:54,470

well i think the problem might be in

1468

00:52:57,190 --> 00:52:56,319

thinking too literalistically about what

1469

00:53:00,870 --> 00:52:57,200

your body

1470

00:53:02,230 --> 00:53:00,880

is um

1471

00:53:04,150 --> 00:53:02,240

i mean it might not be as it were in

1472

00:53:07,750 --> 00:53:04,160

your thumb i agree

1473

00:53:10,790 --> 00:53:07,760

but your body is everything that is you

1474

00:53:13,190 --> 00:53:10,800

apart from well not apart from anything

1475

00:53:17,190 --> 00:53:13,200

really i mean

1476

00:53:20,870 --> 00:53:17,200

we are for the time that we are alive

1477

00:53:27,670 --> 00:53:23,990

what our bodies make us

1478

00:53:30,950 --> 00:53:27,680

and animals that don't have language

1479

00:53:33,670 --> 00:53:30,960

and don't apparently have

1480

00:53:36,069 --> 00:53:33,680

any kind of schema of logic can solve

1481

00:53:39,109 --> 00:53:36,079

logical puzzles they can reason things

1482

00:53:43,349 --> 00:53:39,119

you know crows and magpies

1483

00:53:45,109 --> 00:53:43,359

can give correct answers to logical

1484

00:53:47,589 --> 00:53:45,119

problems as an eight or nine year old

1485

00:53:49,349 --> 00:53:47,599

human being won't

1486

00:53:50,790 --> 00:53:49,359

i mean that's just one example but i

1487

00:53:53,589 --> 00:53:50,800

mean the more one

1488

00:53:54,549 --> 00:53:53,599

reads about animals and even insects the

1489

00:53:57,430 --> 00:53:54,559

more one

1490

00:53:58,390 --> 00:53:57,440

realizes that the concept that only we

1491

00:54:03,750 --> 00:53:58,400

can act

1492

00:54:07,670 --> 00:54:05,349

you've probably seen on youtube there is

1493

00:54:11,109 --> 00:54:07,680

in fact

1494

00:54:13,190 --> 00:54:11,119

a filmed episode of a crow solving an

1495

00:54:15,190 --> 00:54:13,200

eight-step logical puzzle

1496

00:54:16,390 --> 00:54:15,200

and although it has solved each step of

1497

00:54:19,030 --> 00:54:16,400

the puzzle

1498

00:54:20,630 --> 00:54:19,040

in isolation before it has never solved

1499

00:54:22,470 --> 00:54:20,640

this particular sequence

1500

00:54:24,150 --> 00:54:22,480

and in a matter of about three minutes

1501
00:54:26,230 --> 00:54:24,160
or five minutes it's not a very long

1502
00:54:28,230 --> 00:54:26,240
clip it has actually taken the eight

1503
00:54:29,510 --> 00:54:28,240
steps that will allow it to secure the

1504
00:54:32,710 --> 00:54:29,520
food that it's after

1505
00:54:33,750 --> 00:54:32,720
now i mean that's in itself what do you

1506
00:54:35,510 --> 00:54:33,760
say about that

1507
00:54:37,349 --> 00:54:35,520
you know is it the crow's language is

1508
00:54:40,549 --> 00:54:37,359
its mathematics or what

1509
00:54:42,390 --> 00:54:40,559
somehow from experience and our bodies

1510
00:54:45,349 --> 00:54:42,400
are the repositories of

1511
00:54:46,950 --> 00:54:45,359
all our experience that is that is

1512
00:54:49,430 --> 00:54:46,960
solving this problem

1513
00:54:52,390 --> 00:54:49,440

and we don't solve half as many things

1514

00:54:54,549 --> 00:54:52,400

as we think by thinking about them

1515

00:54:55,990 --> 00:54:54,559

in fact nine tenths of all the great

1516

00:54:58,549 --> 00:54:56,000

decisions we make

1517

00:54:59,430 --> 00:54:58,559

are done unconsciously we arrive at them

1518

00:55:01,030 --> 00:54:59,440

unconsciously

1519

00:55:03,109 --> 00:55:01,040

after thinking about other things

1520

00:55:04,470 --> 00:55:03,119

sleeping and then saying i think i'll do

1521

00:55:06,470 --> 00:55:04,480

that

1522

00:55:07,750 --> 00:55:06,480

and when we are not aware of things as

1523

00:55:11,190 --> 00:55:07,760

julian james first

1524

00:55:13,589 --> 00:55:11,200

did out to me anyway in his 1976 book

1525

00:55:15,829 --> 00:55:13,599

um the origins of consciousness in the

1526
00:55:17,510 --> 00:55:15,839
breakdown of the bicameral mind

1527
00:55:20,390 --> 00:55:17,520
we don't really need consciousness for

1528
00:55:23,750 --> 00:55:20,400
very much we can weigh

1529
00:55:26,870 --> 00:55:23,760
options form judgments solve puzzles

1530
00:55:29,190 --> 00:55:26,880
evaluate beauty fall in love um

1531
00:55:31,270 --> 00:55:29,200
and do many many things without thinking

1532
00:55:34,549 --> 00:55:31,280
about them

1533
00:55:37,750 --> 00:55:34,559
at some level we are working on them

1534
00:55:38,710 --> 00:55:37,760
but that what the left hemisphere

1535
00:55:41,670 --> 00:55:38,720
privileges as

1536
00:55:42,870 --> 00:55:41,680
thinking is just the left hemispheres

1537
00:55:45,990 --> 00:55:42,880
kind of thinking

1538
00:55:48,230 --> 00:55:46,000

which is explicit in language

1539

00:55:50,309 --> 00:55:48,240

and foregrounding whatever is in the

1540

00:55:52,950 --> 00:55:50,319

mind but there's a whole

1541

00:55:53,750 --> 00:55:52,960

what we're conscious of is only one

1542

00:55:55,829 --> 00:55:53,760

percent

1543

00:55:58,870 --> 00:55:55,839

maximum of all that there is that's

1544

00:56:00,870 --> 00:55:58,880

going on in our minds

1545

00:56:02,230 --> 00:56:00,880

so the idea that you know we have to be

1546

00:56:04,870 --> 00:56:02,240

conscious and

1547

00:56:07,030 --> 00:56:04,880

reason in order to think cleverly is

1548

00:56:12,390 --> 00:56:07,040

wrong i mean my one of my favorite

1549

00:56:15,670 --> 00:56:14,630

in the book in fact on the structure of

1550

00:56:19,030 --> 00:56:15,680

mathematics he's

1551

00:56:20,710 --> 00:56:19,040

that um i can't remember the exact

1552

00:56:21,430 --> 00:56:20,720

phrase which is wonderful but he says

1553

00:56:24,710 --> 00:56:21,440

that

1554

00:56:28,549 --> 00:56:24,720

um conscious thought is like

1555

00:56:31,109 --> 00:56:28,559

cavalry charges in battle it's expensive

1556

00:56:33,750 --> 00:56:31,119

it's wasteful it requires fresh horses

1557

00:56:36,470 --> 00:56:33,760

and can only be done at unusual moments

1558

00:56:38,150 --> 00:56:36,480

so most of the time we're we're living

1559

00:56:39,190 --> 00:56:38,160

perfectly rationally perfectly

1560

00:56:41,190 --> 00:56:39,200

intelligently

1561

00:56:44,630 --> 00:56:41,200

but without actually thinking about

1562

00:56:46,630 --> 00:56:44,640

things explicitly

1563

00:56:47,990 --> 00:56:46,640

if we had different bodies or if we grew

1564

00:56:48,789 --> 00:56:48,000

up on a different planet a different

1565

00:56:51,349 --> 00:56:48,799

evolutionary

1566

00:56:52,789 --> 00:56:51,359

chain or tree would we have reason

1567

00:56:56,390 --> 00:56:52,799

differently would we reason differently

1568

00:57:02,710 --> 00:56:59,589

or is logic universal

1569

00:57:04,640 --> 00:57:02,720

well how would i know i mean the too

1570

00:57:05,750 --> 00:57:04,650

many counterfactuals in that um

1571

00:57:09,030 --> 00:57:05,760

[Music]

1572

00:57:11,030 --> 00:57:09,040

you can't extrapolate from us to a being

1573

00:57:14,069 --> 00:57:11,040

that we can only imagine

1574

00:57:15,910 --> 00:57:14,079

and we don't know everything in fact we

1575

00:57:17,990 --> 00:57:15,920

can only know what it is

1576

00:57:19,750 --> 00:57:18,000

how about let me rephrase it is logic or

1577

00:57:21,109 --> 00:57:19,760

the way that we formulated logic and

1578

00:57:22,230 --> 00:57:21,119

rationality and reason which i'm

1579

00:57:23,109 --> 00:57:22,240

conflating and i know there's a

1580

00:57:25,589 --> 00:57:23,119

difference between them

1581

00:57:27,030 --> 00:57:25,599

but for the sake of this are they

1582

00:57:29,750 --> 00:57:27,040

substrate dependent

1583

00:57:31,589 --> 00:57:29,760

so the fact that we are human we came up

1584

00:57:33,910 --> 00:57:31,599

with reason in this particular manner

1585

00:57:35,270 --> 00:57:33,920

and that aliens might not share our

1586

00:57:38,390 --> 00:57:35,280

reason they would come up with different

1587

00:57:41,190 --> 00:57:38,400

inferences and it would be valid

1588

00:57:42,470 --> 00:57:41,200

well i would i mean again i don't think

1589

00:57:45,030 --> 00:57:42,480

anyone can be

1590

00:57:46,470 --> 00:57:45,040

certain about such things but my

1591

00:57:50,150 --> 00:57:46,480

intuition would be

1592

00:57:53,349 --> 00:57:50,160

that reason

1593

00:57:56,230 --> 00:57:53,359

and logic are if you like

1594

00:57:57,030 --> 00:57:56,240

substrate independent that they're not

1595

00:57:59,829 --> 00:57:57,040

just a human

1596

00:58:01,589 --> 00:57:59,839

invention but then i think that about a

1597

00:58:03,270 --> 00:58:01,599

lot of things that are not so much

1598

00:58:06,150 --> 00:58:03,280

inventions as discoveries uh

1599

00:58:07,109 --> 00:58:06,160

i mean confusingly the word invention

1600

00:58:09,829 --> 00:58:07,119

originally meant

1601
00:58:10,950 --> 00:58:09,839
to find something but it now i mean to

1602
00:58:13,990 --> 00:58:10,960
make it up

1603
00:58:17,589 --> 00:58:14,000
and and so what i think

1604
00:58:19,670 --> 00:58:17,599
we do in experience is come to an

1605
00:58:21,829 --> 00:58:19,680
awareness and an understanding of things

1606
00:58:23,589 --> 00:58:21,839
that are not entirely dependent on us

1607
00:58:26,789 --> 00:58:23,599
let me put it that way

1608
00:58:31,349 --> 00:58:26,799
and i think these things include um

1609
00:58:34,789 --> 00:58:31,359
essential values like good goodness

1610
00:58:37,109 --> 00:58:34,799
and evil and beauty and

1611
00:58:38,549 --> 00:58:37,119
things like that so and and this is not

1612
00:58:42,069 --> 00:58:38,559
unusual

1613
00:58:44,789 --> 00:58:42,079

um derek perfect who is a colleague

1614

00:58:45,430 --> 00:58:44,799

at all souls and i say a colleague i

1615

00:58:46,789 --> 00:58:45,440

mean

1616

00:58:48,710 --> 00:58:46,799

in that we were both fellows of the same

1617

00:58:49,990 --> 00:58:48,720

college but i mean he was a very great

1618

00:58:51,990 --> 00:58:50,000

philosopher and an

1619

00:58:53,270 --> 00:58:52,000

atheist but he believed that goodness

1620

00:58:55,190 --> 00:58:53,280

and beauty were

1621

00:58:56,549 --> 00:58:55,200

ontological primaries that they weren't

1622

00:58:58,150 --> 00:58:56,559

things that were just

1623

00:59:00,150 --> 00:58:58,160

valuations we put on things because we

1624

00:59:03,349 --> 00:59:00,160

happen to like them or not like them

1625

00:59:05,910 --> 00:59:03,359

and i would be i would be rather

1626
00:59:07,190 --> 00:59:05,920
inclined to that position too

1627
00:59:09,670 --> 00:59:07,200
you also talked about okay so

1628
00:59:11,270 --> 00:59:09,680
inventiveness is

1629
00:59:13,670 --> 00:59:11,280
the etymology of it is related to

1630
00:59:16,789 --> 00:59:13,680
finding and then also

1631
00:59:17,829 --> 00:59:16,799
being originated so being original has

1632
00:59:19,510 --> 00:59:17,839
to do with the origin

1633
00:59:20,950 --> 00:59:19,520
going back can you explain that because

1634
00:59:21,670 --> 00:59:20,960
that was one part of your book and your

1635
00:59:24,069 --> 00:59:21,680
book is quite

1636
00:59:25,829 --> 00:59:24,079
lengthy and i wanted to finish this in

1637
00:59:28,230 --> 00:59:25,839
time i spent the past

1638
00:59:29,510 --> 00:59:28,240

week or so just absorbing pretty much

1639

00:59:34,789 --> 00:59:29,520

pure ian

1640

00:59:37,030 --> 00:59:34,799

i made notes where i wasn't able to

1641

00:59:37,670 --> 00:59:37,040

comprehend fully and i just had to move

1642

00:59:43,430 --> 00:59:37,680

on

1643

00:59:45,349 --> 00:59:43,440

thinking or coming up with some original

1644

00:59:46,069 --> 00:59:45,359

object and its relationship we think of

1645

00:59:47,750 --> 00:59:46,079

it as a new

1646

00:59:50,470 --> 00:59:47,760

but you also made an analogy that it's

1647

00:59:54,390 --> 00:59:50,480

original that is it's going back

1648

00:59:56,150 --> 00:59:54,400

yes okay um again i can't remember

1649

00:59:57,750 --> 00:59:56,160

exactly what what it was i said that

1650

00:59:58,789 --> 00:59:57,760

you're referring to but i think i can

1651

01:00:02,789 --> 00:59:58,799

see

1652

01:00:06,789 --> 01:00:02,799

what's being hinted at um

1653

01:00:09,990 --> 01:00:06,799

it's partly a distinction if i may say

1654

01:00:11,109 --> 01:00:10,000

that is in similar structure to that

1655

01:00:15,109 --> 01:00:11,119

between

1656

01:00:18,150 --> 01:00:15,119

fantasy and imagination so

1657

01:00:19,270 --> 01:00:18,160

fantasy is the putting together in a

1658

01:00:22,230 --> 01:00:19,280

novel way

1659

01:00:24,309 --> 01:00:22,240

of things that elements that really we

1660

01:00:26,230 --> 01:00:24,319

have experienced and

1661

01:00:27,990 --> 01:00:26,240

are aware of but we put them together

1662

01:00:28,789 --> 01:00:28,000

rather as i say like those children's

1663

01:00:31,750 --> 01:00:28,799

books

1664

01:00:33,990 --> 01:00:31,760

where the pages are divided uh in into

1665

01:00:35,430 --> 01:00:34,000

three parts and you can turn the pages

1666

01:00:37,750 --> 01:00:35,440

and create animals with a

1667

01:00:38,630 --> 01:00:37,760

head of a seal and a body of a goat and

1668

01:00:41,829 --> 01:00:38,640

all that sort of thing

1669

01:00:43,430 --> 01:00:41,839

um so that is fantasy but imagination is

1670

01:00:45,589 --> 01:00:43,440

looking at something

1671

01:00:47,109 --> 01:00:45,599

that you think you know and it seems

1672

01:00:48,870 --> 01:00:47,119

entirely ordinary

1673

01:00:51,030 --> 01:00:48,880

and suddenly seeing it for the first

1674

01:00:52,950 --> 01:00:51,040

time this is something wordsworth wrote

1675

01:00:54,829 --> 01:00:52,960

about a great deal that it wasn't about

1676

01:00:57,829 --> 01:00:54,839

striving for something

1677

01:01:01,109 --> 01:00:57,839

um outside of the ordinary

1678

01:01:02,150 --> 01:01:01,119

it was finding the extraordinary within

1679

01:01:04,870 --> 01:01:02,160

the ordinary

1680

01:01:05,190 --> 01:01:04,880

now when when you talk about the origin

1681

01:01:11,030 --> 01:01:05,200

or

1682

01:01:12,870 --> 01:01:11,040

revolutionaries and and i don't mean to

1683

01:01:13,829 --> 01:01:12,880

say political revolutionaries especially

1684

01:01:16,390 --> 01:01:13,839

i mean people who

1685

01:01:17,270 --> 01:01:16,400

brought about paradigm shifts in our

1686

01:01:20,309 --> 01:01:17,280

thinking

1687

01:01:22,390 --> 01:01:20,319

did so by going back to perception that

1688

01:01:25,109 --> 01:01:22,400

had been lost sight of

1689

01:01:26,870 --> 01:01:25,119

sometimes a thousand years ago or more

1690

01:01:28,789 --> 01:01:26,880

and they renovated something that had

1691

01:01:30,870 --> 01:01:28,799

been lost from the culture

1692

01:01:31,829 --> 01:01:30,880

and that was what was revolutionary

1693

01:01:34,870 --> 01:01:31,839

about it

1694

01:01:36,789 --> 01:01:34,880

so that i don't think that

1695

01:01:37,990 --> 01:01:36,799

an original thinker was somebody who

1696

01:01:41,030 --> 01:01:38,000

just makes it all up

1697

01:01:44,789 --> 01:01:41,040

because none of us do that we are all

1698

01:01:46,950 --> 01:01:44,799

the repositories of centuries millennia

1699

01:01:48,630 --> 01:01:46,960

of other people's experience that has

1700

01:01:51,750 --> 01:01:48,640

gone into the making of us

1701

01:01:52,549 --> 01:01:51,760

and into the ideas that we believe and

1702

01:01:55,670 --> 01:01:52,559

so

1703

01:01:56,870 --> 01:01:55,680

to strive to be original is to cut

1704

01:01:58,470 --> 01:01:56,880

yourself off from that

1705

01:02:00,390 --> 01:01:58,480

and to cut yourself off from the rest of

1706

01:02:03,109 --> 01:02:00,400

humanity saying look i did this

1707

01:02:03,430 --> 01:02:03,119

on my own whereas i think that is a you

1708

01:02:06,309 --> 01:02:03,440

know

1709

01:02:08,069 --> 01:02:06,319

a typical problem of our age that it's

1710

01:02:09,349 --> 01:02:08,079

great that we're individuals don't get

1711

01:02:12,390 --> 01:02:09,359

me wrong and i think that

1712

01:02:14,630 --> 01:02:12,400

you know conformism is a problem but

1713

01:02:16,950 --> 01:02:14,640

we are only also individuals because we

1714

01:02:18,549 --> 01:02:16,960

also belong together in a society that

1715

01:02:22,309 --> 01:02:18,559

both brings together

1716

01:02:24,950 --> 01:02:22,319

and nourishes individual flourishing

1717

01:02:26,390 --> 01:02:24,960

curiously the coming together helps the

1718

01:02:28,710 --> 01:02:26,400

being different

1719

01:02:29,750 --> 01:02:28,720

i i sometimes talk about a couple in a

1720

01:02:32,710 --> 01:02:29,760

relationship

1721

01:02:35,430 --> 01:02:32,720

that a good couple is one who become

1722

01:02:37,829 --> 01:02:35,440

more themselves through the relationship

1723

01:02:39,510 --> 01:02:37,839

not less though but it sacrificed their

1724

01:02:40,710 --> 01:02:39,520

individuality but it is actually

1725

01:02:44,069 --> 01:02:40,720

realized

1726

01:02:47,829 --> 01:02:44,079

and enriched and fought in

1727

01:02:49,349 --> 01:02:47,839

greater being by the the relationship

1728

01:02:51,829 --> 01:02:49,359

going back to where we started

1729

01:02:53,349 --> 01:02:51,839

that relationships create the things

1730

01:02:55,349 --> 01:02:53,359

that are related as much as the other

1731

01:02:56,870 --> 01:02:55,359

way around okay here's what occurs to me

1732

01:02:58,630 --> 01:02:56,880

when you say that so let's say you have

1733

01:03:00,950 --> 01:02:58,640

a great couple let's say you are you

1734

01:03:05,430 --> 01:03:00,960

married

1735

01:03:06,870 --> 01:03:05,440

so let's just take me as an example

1736

01:03:08,870 --> 01:03:06,880

yeah let's say me and my wife i find

1737

01:03:10,870 --> 01:03:08,880

that the longer i spend with her

1738

01:03:12,309 --> 01:03:10,880

the more i do feel authentic but at the

1739

01:03:13,510 --> 01:03:12,319

same time and the more she feels

1740

01:03:15,029 --> 01:03:13,520

authentic but at the same time i can

1741

01:03:16,710 --> 01:03:15,039

imagine we're becoming closer

1742

01:03:18,630 --> 01:03:16,720

and more and more akin to one another's

1743

01:03:21,190 --> 01:03:18,640

personality so then i wonder

1744

01:03:23,029 --> 01:03:21,200

is the most authentic self for each

1745

01:03:23,750 --> 01:03:23,039

individual as we come closer and closer

1746

01:03:27,750 --> 01:03:23,760

to our core

1747

01:03:29,029 --> 01:03:27,760

is it the same or extremely similar

1748

01:03:30,950 --> 01:03:29,039

because otherwise i can't make sense of

1749

01:03:31,990 --> 01:03:30,960

this paradox of you becoming authentic

1750

01:03:33,750 --> 01:03:32,000

as an individual

1751

01:03:35,829 --> 01:03:33,760

but at the same time becoming closer to

1752

01:03:38,470 --> 01:03:35,839

other people

1753

01:03:40,230 --> 01:03:38,480

well i think that the deep structure of

1754

01:03:42,150 --> 01:03:40,240

reality is entirely

1755

01:03:45,109 --> 01:03:42,160

paradoxical to the left hemisphere's

1756

01:03:49,349 --> 01:03:45,119

take on it that things that are opposite

1757

01:03:51,270 --> 01:03:49,359

are absolutely bound up with one another

1758

01:03:53,029 --> 01:03:51,280

and it's the left hemisphere that wants

1759

01:03:55,029 --> 01:03:53,039

things to be either the one thing or the

1760

01:03:56,309 --> 01:03:55,039

other either to be separate or to be

1761

01:03:59,270 --> 01:03:56,319

together

1762

01:04:00,789 --> 01:03:59,280

but the right hemisphere sees it it

1763

01:04:04,390 --> 01:04:00,799

doesn't have to be either or

1764

01:04:07,990 --> 01:04:04,400

it has to be both and and what's more

1765

01:04:10,950 --> 01:04:08,000

it has to be both either or and

1766

01:04:13,750 --> 01:04:10,960

both and i don't know if you've heard of

1767

01:04:17,270 --> 01:04:13,760

para consistent logic with grand priest

1768

01:04:18,950 --> 01:04:17,280

i have yes yes and i'm not sure i

1769

01:04:20,710 --> 01:04:18,960

entirely understand it but what i know

1770

01:04:23,270 --> 01:04:20,720

of it i rather like

1771

01:04:23,829 --> 01:04:23,280

yeah okay so explain to me to the

1772

01:04:28,630 --> 01:04:23,839

audience

1773

01:04:35,430 --> 01:04:32,230

um well that's a big question

1774

01:04:39,270 --> 01:04:35,440

but when we say something is something

1775

01:04:41,829 --> 01:04:39,280

we may well mean when viewed in this way

1776

01:04:43,109 --> 01:04:41,839

or in this context change the context

1777

01:04:45,430 --> 01:04:43,119

change the point of view

1778

01:04:46,309 --> 01:04:45,440

and they're equally something different

1779

01:04:47,750 --> 01:04:46,319

so

1780

01:04:49,750 --> 01:04:47,760

the trouble with the left hemisphere is

1781

01:04:52,549 --> 01:04:49,760

that it decontextualizes

1782

01:04:53,829 --> 01:04:52,559

this is very very important difference

1783

01:04:55,750 --> 01:04:53,839

the right hemisphere alone

1784

01:04:58,309 --> 01:04:55,760

understands that what a thing is is what

1785

01:04:59,190 --> 01:04:58,319

it is only because of the context in

1786

01:05:01,430 --> 01:04:59,200

which it is

1787

01:05:03,670 --> 01:05:01,440

and that context doesn't take away from

1788

01:05:05,109 --> 01:05:03,680

its being what it is but contributes it

1789

01:05:07,029 --> 01:05:05,119

to its being what it is

1790

01:05:09,829 --> 01:05:07,039

if you take the context away you

1791

01:05:11,670 --> 01:05:09,839

diminish it now that's just a very

1792

01:05:12,870 --> 01:05:11,680

obvious down-to-earth example of what

1793

01:05:15,910 --> 01:05:12,880

i'm really saying

1794

01:05:18,710 --> 01:05:15,920

that we we form social context

1795

01:05:21,990 --> 01:05:18,720

we form loving contexts and in those

1796

01:05:24,789 --> 01:05:22,000

contexts we are changed we are altered

1797

01:05:26,150 --> 01:05:24,799

everything we do everything we think

1798

01:05:27,910 --> 01:05:26,160

alters us

1799

01:05:30,230 --> 01:05:27,920

which is why we need to be careful about

1800

01:05:31,349 --> 01:05:30,240

how we think as i say attention is a

1801
01:05:33,670 --> 01:05:31,359
moral act

1802
01:05:35,029 --> 01:05:33,680
it changes us and it changes the world

1803
01:05:37,990 --> 01:05:35,039
well that's one of the most frightening

1804
01:05:41,349 --> 01:05:39,270
okay you know we can get to that part

1805
01:05:41,910 --> 01:05:41,359
later a distinction that's important for

1806
01:05:43,430 --> 01:05:41,920
the audience

1807
01:05:45,349 --> 01:05:43,440
it was important and enlightening for me

1808
01:05:47,670 --> 01:05:45,359
was between

1809
01:05:50,390 --> 01:05:47,680
wissen and kennen i believe they're

1810
01:05:52,230 --> 01:05:50,400
german words about knowledge yes do you

1811
01:05:55,510 --> 01:05:52,240
mind expanding

1812
01:05:57,910 --> 01:05:55,520
yes or if you prefer and

1813
01:06:00,710 --> 01:05:57,920

connect in french and the simple way of

1814

01:06:03,829 --> 01:06:00,720

saying it is that

1815

01:06:04,470 --> 01:06:03,839

is knowing that something is the case

1816

01:06:07,829 --> 01:06:04,480

whereas

1817

01:06:10,870 --> 01:06:07,839

connector cannon is knowing something

1818

01:06:13,510 --> 01:06:10,880

direct so i know that

1819

01:06:14,390 --> 01:06:13,520

paris is the capital of france i know

1820

01:06:16,230 --> 01:06:14,400

paris

1821

01:06:18,150 --> 01:06:16,240

because of the times i've spent there

1822

01:06:21,190 --> 01:06:18,160

and what they've meant to me

1823

01:06:23,430 --> 01:06:21,200

you know i know that um

1824

01:06:25,829 --> 01:06:23,440

you know the the the tree in my garden

1825

01:06:29,029 --> 01:06:25,839

is of a certain species and a certain

1826
01:06:29,349 --> 01:06:29,039
um height and so forth but i only know

1827
01:06:35,670 --> 01:06:29,359
it

1828
01:06:37,430 --> 01:06:35,680
really

1829
01:06:38,789 --> 01:06:37,440
there's a distinction between a kind of

1830
01:06:42,870 --> 01:06:38,799
abstracted

1831
01:06:45,990 --> 01:06:42,880
form of knowing data knowing things

1832
01:06:49,190 --> 01:06:46,000
about things and the knowing of them

1833
01:06:53,270 --> 01:06:50,630
i'll tell you one of the aspects of your

1834
01:06:55,990 --> 01:06:53,280
book that i found unsettling let's say

1835
01:06:57,349 --> 01:06:56,000
i i've had this experience i think i've

1836
01:06:58,470 --> 01:06:57,359
talked about it before on another

1837
01:07:00,390 --> 01:06:58,480
podcast

1838
01:07:02,950 --> 01:07:00,400

perhaps at the bernardo castro if you've

1839

01:07:08,069 --> 01:07:05,910

where it was the middle of the night i

1840

01:07:10,470 --> 01:07:08,079

had woken up from a dream

1841

01:07:11,109 --> 01:07:10,480

and then as i was falling back to sleep

1842

01:07:14,309 --> 01:07:11,119

in this

1843

01:07:17,349 --> 01:07:14,319

hypnagogic state i heard

1844

01:07:18,230 --> 01:07:17,359

my wife say a word i don't know what

1845

01:07:19,510 --> 01:07:18,240

she's i don't know

1846

01:07:21,190 --> 01:07:19,520

i don't i still don't know she said it

1847

01:07:22,630 --> 01:07:21,200

or didn't say but it could have been it

1848

01:07:23,910 --> 01:07:22,640

doesn't actually matter it was like yes

1849

01:07:26,390 --> 01:07:23,920

or okay

1850

01:07:27,510 --> 01:07:26,400

and then i wasn't sure if she had

1851

01:07:30,630 --> 01:07:27,520

actually said it

1852

01:07:32,870 --> 01:07:30,640

and i started to go into a spiral

1853

01:07:35,510 --> 01:07:32,880

of extreme anxiety and i'm not a person

1854

01:07:37,910 --> 01:07:35,520

who's ever had a panic attack in my life

1855

01:07:39,589 --> 01:07:37,920

but then i started to feel like am i

1856

01:07:42,150 --> 01:07:39,599

going crazy

1857

01:07:42,950 --> 01:07:42,160

am i am i hearing voices i don't want to

1858

01:07:44,870 --> 01:07:42,960

hear voices

1859

01:07:46,230 --> 01:07:44,880

oh my gosh and then i started to think

1860

01:07:47,670 --> 01:07:46,240

okay don't hear a voice don't hear voice

1861

01:07:49,109 --> 01:07:47,680

but then i was thinking about freudian

1862

01:07:50,470 --> 01:07:49,119

repression am i now repressing a voice

1863

01:07:52,390 --> 01:07:50,480

that will come back even harder later

1864

01:07:53,990 --> 01:07:52,400

oh no so should i move toward a voice

1865

01:07:55,589 --> 01:07:54,000

what would what if the voice tells me to

1866

01:07:55,990 --> 01:07:55,599

kill myself i'm not suicidal i don't

1867

01:07:57,670 --> 01:07:56,000

hate my

1868

01:07:59,029 --> 01:07:57,680

life not in the least what if it tells

1869

01:08:01,670 --> 01:07:59,039

me to harm someone else

1870

01:08:02,950 --> 01:08:01,680

and and then i i had to wake my wife up

1871

01:08:05,829 --> 01:08:02,960

and tell her

1872

01:08:06,549 --> 01:08:05,839

please help me because i'm i'm i need

1873

01:08:08,069 --> 01:08:06,559

help breathing

1874

01:08:09,910 --> 01:08:08,079

and then so she calmed me through that

1875

01:08:10,470 --> 01:08:09,920

the next day i had a similar panic

1876

01:08:13,910 --> 01:08:10,480

attack

1877

01:08:15,349 --> 01:08:13,920

and then two days later had half of one

1878

01:08:16,550 --> 01:08:15,359

then it just went away i even talked to

1879

01:08:17,990 --> 01:08:16,560

my doctor about this she said you should

1880

01:08:21,430 --> 01:08:18,000

go to psychotherapy to talk

1881

01:08:22,309 --> 01:08:21,440

talk this out but it it ameliorated on

1882

01:08:25,189 --> 01:08:22,319

its own

1883

01:08:26,950 --> 01:08:25,199

then a couple days ago this is fresh but

1884

01:08:28,870 --> 01:08:26,960

this came from your book this is why i

1885

01:08:30,709 --> 01:08:28,880

i love you but then i curse you at the

1886

01:08:32,149 --> 01:08:30,719

same time there's plenty of talk in your

1887

01:08:33,590 --> 01:08:32,159

book about schizophrenia

1888

01:08:36,229 --> 01:08:33,600

and each time that would come up my

1889

01:08:39,349 --> 01:08:36,239

heart would race and i'm hearing myself

1890

01:08:41,030 --> 01:08:39,359

in it where i'm not the type of person

1891

01:08:43,990 --> 01:08:41,040

that as you know if i'm talking to you

1892

01:08:46,390 --> 01:08:44,000

i'm not a a fundamentalist materialist

1893

01:08:48,229 --> 01:08:46,400

who dispenses with the divine and so on

1894

01:08:50,470 --> 01:08:48,239

in fact i'm extremely open to it

1895

01:08:51,990 --> 01:08:50,480

and the eulogisms i get for this channel

1896

01:08:53,349 --> 01:08:52,000

is that i'm extremely

1897

01:08:54,470 --> 01:08:53,359

open and actually trying to understand

1898

01:08:55,349 --> 01:08:54,480

like i'm trying to understand your point

1899

01:08:56,789 --> 01:08:55,359

of view i'm trying to

1900

01:08:58,630 --> 01:08:56,799

morph it with mine i'm trying to

1901

01:08:59,590 --> 01:08:58,640

understand other people's but that's

1902

01:09:01,990 --> 01:08:59,600

extremely

1903

01:09:03,269 --> 01:09:02,000

difficult because it puts me on such

1904

01:09:05,510 --> 01:09:03,279

unstable ground

1905

01:09:07,910 --> 01:09:05,520

that i don't know what's real and then

1906

01:09:09,749 --> 01:09:07,920

i'm constantly questioning what's real

1907

01:09:10,950 --> 01:09:09,759

is this real am i the only one that's

1908

01:09:14,789 --> 01:09:10,960

real my fake

1909

01:09:18,149 --> 01:09:14,799

is are people lying to me and and

1910

01:09:19,829 --> 01:09:18,159

sometimes just when i say it out loud it

1911

01:09:21,110 --> 01:09:19,839

it helps me through it part of it is

1912

01:09:22,470 --> 01:09:21,120

like i'm keeping it in and i don't want

1913

01:09:24,229 --> 01:09:22,480

to scare my spouse i don't want to scare

1914

01:09:25,990 --> 01:09:24,239

someone else

1915

01:09:27,269 --> 01:09:26,000

but i also thought another part is that

1916

01:09:29,030 --> 01:09:27,279

there's no one else that i hear talk

1917

01:09:29,669 --> 01:09:29,040

about this much not no one in the public

1918

01:09:32,550 --> 01:09:29,679

sphere

1919

01:09:34,390 --> 01:09:32,560

and so i thought one time i heard

1920

01:09:35,590 --> 01:09:34,400

peterson was schizophrenic it was turns

1921

01:09:37,749 --> 01:09:35,600

out to be false

1922

01:09:39,189 --> 01:09:37,759

but that actually gave me gave me hope

1923

01:09:40,470 --> 01:09:39,199

because i was like oh my gosh someone

1924

01:09:41,749 --> 01:09:40,480

else is experiencing this

1925

01:09:43,349 --> 01:09:41,759

and then i thought okay kurt why don't

1926

01:09:44,470 --> 01:09:43,359

you talk about it first of all it's

1927

01:09:46,070 --> 01:09:44,480

curative to myself

1928

01:09:48,070 --> 01:09:46,080

second of all someone else might hear it

1929

01:09:51,590 --> 01:09:48,080

and be like okay this is

1930

01:09:53,110 --> 01:09:51,600

i'm not someone who's asinine and and so

1931

01:09:55,430 --> 01:09:53,120

maybe someone else who's somewhat normal

1932

01:09:56,470 --> 01:09:55,440

is going through this castrop said kurt

1933

01:09:57,990 --> 01:09:56,480

don't worry

1934

01:09:59,669 --> 01:09:58,000

this is part of the spiritual journey

1935

01:10:00,950 --> 01:09:59,679

when you question consciousness and you

1936

01:10:02,149 --> 01:10:00,960

involve yourself in these subjects this

1937

01:10:04,709 --> 01:10:02,159

will happen

1938

01:10:05,990 --> 01:10:04,719

but either way what you said which is

1939

01:10:07,750 --> 01:10:06,000

that you view the world more and more

1940

01:10:09,430 --> 01:10:07,760

mechanistically that's the left brain

1941

01:10:10,550 --> 01:10:09,440

now that's my entire life up until maybe

1942

01:10:12,390 --> 01:10:10,560

a few years ago

1943

01:10:13,910 --> 01:10:12,400

because i'm trained as a physicist a

1944

01:10:17,430 --> 01:10:13,920

scientist

1945

01:10:19,030 --> 01:10:17,440

and that and that you're extremely

1946

01:10:20,790 --> 01:10:19,040

speaking to yourself over and over and

1947

01:10:22,709 --> 01:10:20,800

over and i feel like that's what i do

1948

01:10:24,229 --> 01:10:22,719

and i've estrude music too

1949

01:10:26,229 --> 01:10:24,239

for the past 12 years i haven't listened

1950

01:10:27,270 --> 01:10:26,239

to music because i just find it to be a

1951

01:10:28,870 --> 01:10:27,280

time waster

1952

01:10:31,830 --> 01:10:28,880

and i'm wondering how much have i hurt

1953

01:10:34,149 --> 01:10:31,840

myself by doing so

1954

01:10:35,910 --> 01:10:34,159

i wanted to say this to you because well

1955

01:10:37,510 --> 01:10:35,920

first i just want to hear your thoughts

1956

01:10:42,830 --> 01:10:37,520

and then you can also relate it to the

1957

01:10:46,229 --> 01:10:45,510

well um i think it's not unusual for

1958

01:10:49,430 --> 01:10:46,239

people to

1959

01:10:53,669 --> 01:10:49,440

to have these experiences and

1960

01:10:57,270 --> 01:10:53,679

people who think a lot ponder a lot

1961

01:11:00,870 --> 01:10:57,280

philosophize a lot conceptualize a lot

1962

01:11:01,910 --> 01:11:00,880

do come to this crisis of doubt if you

1963

01:11:04,229 --> 01:11:01,920

like and it's

1964

01:11:06,310 --> 01:11:04,239

i mean the first great exponent of this

1965

01:11:10,310 --> 01:11:06,320

was descartes

1966

01:11:16,950 --> 01:11:13,830

for his age he lived a remarkably

1967

01:11:19,350 --> 01:11:16,960

ungrounded kind of existence what i mean

1968

01:11:22,470 --> 01:11:19,360

is that most people then still

1969

01:11:25,590 --> 01:11:22,480

lived a more rooted embodied existence

1970

01:11:29,669 --> 01:11:28,229

by his personality as much as anything

1971

01:11:32,470 --> 01:11:29,679

was inclined

1972

01:11:35,830 --> 01:11:32,480

to i think he had a schizoid temperament

1973

01:11:40,550 --> 01:11:37,510

and why this is important is that

1974

01:11:43,430 --> 01:11:40,560

there's a wonderful book which i

1975

01:11:43,830 --> 01:11:43,440

often mentioned and then we'll mention

1976

01:11:47,110 --> 01:11:43,840

again

1977

01:11:47,750 --> 01:11:47,120

by louis sass a psychologist at rutgers

1978

01:11:49,750 --> 01:11:47,760

called

1979

01:11:50,870 --> 01:11:49,760

madness and modernism and it is a

1980

01:11:54,070 --> 01:11:50,880

fascinating

1981

01:11:56,310 --> 01:11:54,080

work and

1982

01:11:58,870 --> 01:11:56,320

it was completely another of these sort

1983

01:12:01,270 --> 01:11:58,880

of eureka moments for me when i read it

1984

01:12:02,630 --> 01:12:01,280

because he drew so many parallels

1985

01:12:05,669 --> 01:12:02,640

between schizophrenia

1986

01:12:08,709 --> 01:12:05,679

and modern culture

1987

01:12:09,510 --> 01:12:08,719

i mean even including high culture and

1988

01:12:12,950 --> 01:12:09,520

he drew

1989

01:12:13,669 --> 01:12:12,960

25 or 30 parallels that are clear to

1990

01:12:15,830 --> 01:12:13,679

anyone

1991

01:12:17,910 --> 01:12:15,840

like him or me who has treated many

1992

01:12:21,830 --> 01:12:17,920

patients with schizophrenia

1993

01:12:26,070 --> 01:12:21,840

between the way they encounter things

1994

01:12:27,830 --> 01:12:26,080

experience them and aspects of modernity

1995

01:12:29,669 --> 01:12:27,840

and this comes together for me in the

1996

01:12:30,790 --> 01:12:29,679

fact that the left hemisphere is in a

1997

01:12:33,430 --> 01:12:30,800

way ungrounded

1998

01:12:35,189 --> 01:12:33,440

it has taken things taken them out of

1999

01:12:37,189 --> 01:12:35,199

context

2000

01:12:38,550 --> 01:12:37,199

taking them out of the lived experience

2001

01:12:40,870 --> 01:12:38,560

of the body

2002

01:12:41,750 --> 01:12:40,880

just detached them from what they mean

2003

01:12:43,270 --> 01:12:41,760

to us

2004

01:12:44,790 --> 01:12:43,280

and then said i don't know what this

2005

01:12:47,110 --> 01:12:44,800

means because

2006

01:12:48,709 --> 01:12:47,120

as it were having taken it out ripped it

2007

01:12:49,590 --> 01:12:48,719

out of the context it would give it

2008

01:12:53,350 --> 01:12:49,600

meaning

2009

01:12:54,390 --> 01:12:53,360

induces a sort of what's real what isn't

2010

01:12:56,310 --> 01:12:54,400

real

2011

01:12:58,390 --> 01:12:56,320

now only people who live the sort of

2012

01:13:01,750 --> 01:12:58,400

very strange life that we do

2013

01:13:03,430 --> 01:13:01,760

are likely to be tormented by this

2014

01:13:05,510 --> 01:13:03,440

because they don't see consciousness

2015

01:13:08,310 --> 01:13:05,520

there's something in here

2016

01:13:10,149 --> 01:13:08,320

and a reality that's just out there we

2017

01:13:12,229 --> 01:13:10,159

come back to something

2018

01:13:15,030 --> 01:13:12,239

we talked about a little earlier and

2019

01:13:18,070 --> 01:13:15,040

could talk about a lot more

2020

01:13:20,070 --> 01:13:18,080

which is how are you see two things

2021

01:13:23,189 --> 01:13:20,080

related co-creating it's neither that

2022

01:13:25,590 --> 01:13:23,199

there's just an in here and an out there

2023

01:13:26,550 --> 01:13:25,600

nor that it's all made up or it's you

2024

01:13:29,990 --> 01:13:26,560

know

2025

01:13:33,350 --> 01:13:30,000

so it's a it's a connection

2026

01:13:37,830 --> 01:13:33,360

we are beings that can

2027

01:13:41,430 --> 01:13:37,840

attend to the world that is our essence

2028

01:13:44,630 --> 01:13:41,440

and as louis lavelle of 20th century

2029

01:13:46,470 --> 01:13:44,640

philosopher said attention is love love

2030

01:13:47,030 --> 01:13:46,480

is a pure attention to the existence of

2031

01:13:49,990 --> 01:13:47,040

whatever

2032

01:13:51,030 --> 01:13:50,000

is other another person another thing

2033

01:13:54,149 --> 01:13:51,040

and i think that that

2034

01:13:55,350 --> 01:13:54,159

is how we relate to the world that it is

2035

01:14:03,189 --> 01:13:55,360

not

2036

01:14:06,149 --> 01:14:03,199

figure it out as if it were an odd thing

2037

01:14:06,709 --> 01:14:06,159

that had dropped in our past you know um

2038

01:14:10,950 --> 01:14:06,719

paley

2039

01:14:13,189 --> 01:14:10,960

in his um deism thought that

2040

01:14:14,790 --> 01:14:13,199

it gave the image that the universe was

2041

01:14:18,149 --> 01:14:14,800

like a watch that some

2042

01:14:20,950 --> 01:14:18,159

sorry paley an 18th century bishop

2043

01:14:21,910 --> 01:14:20,960

yes yes thomas paley i think he was um

2044

01:14:24,870 --> 01:14:21,920

said that

2045

01:14:25,350 --> 01:14:24,880

um you know imagine the world it's like

2046

01:14:40,070 --> 01:14:25,360

a

2047

01:14:43,030 --> 01:14:40,080

himself

2048

01:14:45,110 --> 01:14:43,040

a paleous without god because he just

2049

01:14:47,350 --> 01:14:45,120

like paley thinks there is a mechanism

2050

01:14:49,189 --> 01:14:47,360

here that is working itself out

2051
01:14:51,110 --> 01:14:49,199
he just doesn't think it's god he thinks

2052
01:14:51,590 --> 01:14:51,120
it's genetics that there is something as

2053
01:14:54,709 --> 01:14:51,600
it were

2054
01:14:56,950 --> 01:14:54,719
in a gene the robot that

2055
01:14:58,149 --> 01:14:56,960
controls et cetera these images of

2056
01:14:59,830 --> 01:14:58,159
control

2057
01:15:01,590 --> 01:14:59,840
are there in him as they would be in the

2058
01:15:04,310 --> 01:15:01,600
idea of a deistic god

2059
01:15:05,669 --> 01:15:04,320
i what i mean by a deity god is a an

2060
01:15:07,590 --> 01:15:05,679
engineering god

2061
01:15:09,430 --> 01:15:07,600
an engineer who is separate from

2062
01:15:11,590 --> 01:15:09,440
creation winds it up and

2063
01:15:13,350 --> 01:15:11,600

occasionally tinkers with it whereas i

2064

01:15:14,310 --> 01:15:13,360

believe whatever is divine is in the

2065

01:15:16,709 --> 01:15:14,320

fabric

2066

01:15:18,709 --> 01:15:16,719

of the world and is not known not

2067

01:15:19,110 --> 01:15:18,719

certainly even to whatever that divinity

2068

01:15:22,229 --> 01:15:19,120

is

2069

01:15:25,110 --> 01:15:22,239

it's a process of true creation sort of

2070

01:15:27,590 --> 01:15:25,120

exhilaration of that that carries the

2071

01:15:28,550 --> 01:15:27,600

whole process of creation of a creative

2072

01:15:32,070 --> 01:15:28,560

cosmos

2073

01:15:34,229 --> 01:15:32,080

anyway i'm i'm probably not making sense

2074

01:15:35,510 --> 01:15:34,239

it's so hard to convey these things

2075

01:15:37,189 --> 01:15:35,520

briefly but

2076

01:15:38,870 --> 01:15:37,199

shelling in the 18th century was one of

2077

01:15:42,310 --> 01:15:38,880

my favorite um

2078

01:15:44,870 --> 01:15:42,320

philosophers was able to express this

2079

01:15:46,149 --> 01:15:44,880

not not very easy german i have to agree

2080

01:15:47,430 --> 01:15:46,159

but this is at the core of his

2081

01:15:50,229 --> 01:15:47,440

perception that

2082

01:15:50,790 --> 01:15:50,239

the inner and the outer as is often said

2083

01:15:53,189 --> 01:15:50,800

in

2084

01:15:55,510 --> 01:15:53,199

many non-western cultures they are

2085

01:15:57,669 --> 01:15:55,520

distinct but they're not separate

2086

01:15:59,510 --> 01:15:57,679

and that's a very important point that

2087

01:16:00,630 --> 01:15:59,520

it comes back again to the business of

2088

01:16:05,110 --> 01:16:00,640

not being lost

2089

01:16:08,310 --> 01:16:05,120

in a context you're distinct

2090

01:16:11,830 --> 01:16:08,320

from another person but you're not

2091

01:16:12,630 --> 01:16:11,840

separate from them or sort of divided

2092

01:16:14,550 --> 01:16:12,640

from them

2093

01:16:16,630 --> 01:16:14,560

you're connected to them but you're

2094

01:16:18,310 --> 01:16:16,640

still distinct

2095

01:16:20,630 --> 01:16:18,320

and i sort of think of the world as

2096

01:16:23,990 --> 01:16:20,640

being seamless but with

2097

01:16:27,189 --> 01:16:24,000

you can go seamlessly from

2098

01:16:29,590 --> 01:16:27,199

um red to green without even knowing

2099

01:16:32,070 --> 01:16:29,600

that this has happened

2100

01:16:34,149 --> 01:16:32,080

you know in a three or four minute film

2101
01:16:35,669 --> 01:16:34,159
the color can change nobody notices the

2102
01:16:36,470 --> 01:16:35,679
color changing but it's changed

2103
01:16:39,189 --> 01:16:36,480
completely

2104
01:16:40,149 --> 01:16:39,199
so it's possible to move along a

2105
01:16:42,709 --> 01:16:40,159
continuum and

2106
01:16:44,950 --> 01:16:42,719
and the spectrum of colors is an example

2107
01:16:46,950 --> 01:16:44,960
of something that is not a concatenation

2108
01:16:49,510 --> 01:16:46,960
it's not lots of little separate colors

2109
01:16:52,550 --> 01:16:49,520
it is simply a spectrum

2110
01:16:54,790 --> 01:16:52,560
that can be moved along in such a way

2111
01:16:58,070 --> 01:16:54,800
that you can go from something very

2112
01:16:59,510 --> 01:16:58,080
distinct to something else distinct but

2113
01:17:00,790 --> 01:16:59,520

they're never been separate they've

2114

01:17:02,950 --> 01:17:00,800

never been

2115

01:17:04,709 --> 01:17:02,960

cut off from one another they they're

2116

01:17:07,669 --> 01:17:04,719

part of the same

2117

01:17:09,590 --> 01:17:07,679

whole and i think that a number of

2118

01:17:13,110 --> 01:17:09,600

physicists that i've

2119

01:17:17,030 --> 01:17:13,120

read in my attempts to understand modern

2120

01:17:18,310 --> 01:17:17,040

um well quantum field theory actually is

2121

01:17:20,630 --> 01:17:18,320

the theory that

2122

01:17:22,630 --> 01:17:20,640

i find most congenial to my philosophy

2123

01:17:22,950 --> 01:17:22,640

and seems to be being espoused by a lot

2124

01:17:26,470 --> 01:17:22,960

of

2125

01:17:28,149 --> 01:17:26,480

physicists but in that case again

2126

01:17:29,990 --> 01:17:28,159

things can be distinct but not

2127

01:17:32,790 --> 01:17:30,000

ultimately separate they they

2128

01:17:34,709 --> 01:17:32,800

belong to fields which can be more

2129

01:17:38,950 --> 01:17:34,719

concentrated or collapsed in certain

2130

01:17:42,709 --> 01:17:40,310

actually speaking of quantum field

2131

01:17:44,630 --> 01:17:42,719

theory on these

2132

01:17:46,229 --> 01:17:44,640

pages that i have notes for you at the

2133

01:17:47,750 --> 01:17:46,239

back because i thought that we were

2134

01:17:48,870 --> 01:17:47,760

scheduled for two hours earlier by

2135

01:17:51,030 --> 01:17:48,880

accident so i was

2136

01:17:52,630 --> 01:17:51,040

just doing some quantum field problems

2137

01:17:53,189 --> 01:17:52,640

just to get myself more familiar with it

2138

01:17:54,470 --> 01:17:53,199

because i

2139

01:17:56,470 --> 01:17:54,480

i've been out of the game for a little

2140

01:17:58,070 --> 01:17:56,480

while okay

2141

01:18:01,430 --> 01:17:58,080

why is it that you mentioned one day

2142

01:18:04,550 --> 01:18:01,440

you'll be able to explain it to me

2143

01:18:07,990 --> 01:18:04,560

why why is it that non-rhythmic music is

2144

01:18:10,870 --> 01:18:08,000

salutary compared to rhythmic music

2145

01:18:11,990 --> 01:18:10,880

see let me explain my reasoning for this

2146

01:18:12,390 --> 01:18:12,000

well first of all you mentioned it in

2147

01:18:15,990 --> 01:18:12,400

the book

2148

01:18:18,229 --> 01:18:16,000

but second i told you i don't listen to

2149

01:18:22,310 --> 01:18:18,239

music i don't get pleasure for music

2150

01:18:24,630 --> 01:18:22,320

and i i

2151
01:18:26,790 --> 01:18:24,640
i haven't done so for maybe 12 or even

2152
01:18:27,830 --> 01:18:26,800
14 years i play music like i can play

2153
01:18:29,510 --> 01:18:27,840
this and sing

2154
01:18:31,189 --> 01:18:29,520
i like to do that i like to listen to

2155
01:18:32,790 --> 01:18:31,199
eminem occasionally

2156
01:18:35,669 --> 01:18:32,800
but i don't like to listen to music and

2157
01:18:37,270 --> 01:18:35,679
for me it's because i'm so in my head

2158
01:18:39,110 --> 01:18:37,280
i'm such a child of the enlightenment

2159
01:18:41,430 --> 01:18:39,120
let's say that

2160
01:18:42,470 --> 01:18:41,440
i see that as a waste of time and i just

2161
01:18:44,390 --> 01:18:42,480
need to be thinking

2162
01:18:45,669 --> 01:18:44,400
and it came from when i was around 18

2163
01:18:47,910 --> 01:18:45,679

and i was

2164

01:18:49,430 --> 01:18:47,920

on a train and the train ride passed in

2165

01:18:50,550 --> 01:18:49,440

like two minutes when it was a 20-minute

2166

01:18:51,910 --> 01:18:50,560

train ride and it was because i was

2167

01:18:52,470 --> 01:18:51,920

listening to music and i stopped and

2168

01:18:53,910 --> 01:18:52,480

thought

2169

01:18:55,030 --> 01:18:53,920

that's not good because i could have

2170

01:18:55,830 --> 01:18:55,040

been thinking could have been solving

2171

01:18:57,750 --> 01:18:55,840

problems

2172

01:18:59,270 --> 01:18:57,760

so then i'm like from this day forward

2173

01:19:02,149 --> 01:18:59,280

on the train you just think

2174

01:19:02,790 --> 01:19:02,159

think think think think it reminds me of

2175

01:19:07,270 --> 01:19:02,800

the

2176

01:19:09,110 --> 01:19:07,280

i feel like i have inadvertently been

2177

01:19:11,669 --> 01:19:09,120

harming myself and now what i'm doing is

2178

01:19:13,030 --> 01:19:11,679

a slow process of undoing

2179

01:19:14,950 --> 01:19:13,040

and your book is helping but it's also

2180

01:19:15,270 --> 01:19:14,960

unnerving thank you either way you said

2181

01:19:18,950 --> 01:19:15,280

that

2182

01:19:21,830 --> 01:19:18,960

okay listen music these days is rhythmic

2183

01:19:23,110 --> 01:19:21,840

and that's not the best embodiment

2184

01:19:25,270 --> 01:19:23,120

non-rhythmic music is

2185

01:19:26,149 --> 01:19:25,280

so can you explain i don't i don't think

2186

01:19:29,110 --> 01:19:26,159

i said that

2187

01:19:29,910 --> 01:19:29,120

i i really don't um i haven't got

2188

01:19:32,870 --> 01:19:29,920

anything against

2189

01:19:33,830 --> 01:19:32,880

rhythmic music i just said that the most

2190

01:19:37,669 --> 01:19:33,840

powerful

2191

01:19:40,870 --> 01:19:37,679

expressive elements in music include

2192

01:19:41,350 --> 01:19:40,880

melody and harmony and that rhythm is

2193

01:19:45,830 --> 01:19:41,360

only

2194

01:19:46,709 --> 01:19:45,840

that the left hemisphere really

2195

01:19:48,709 --> 01:19:46,719

understands

2196

01:19:50,070 --> 01:19:48,719

especially very basic pounding beats

2197

01:19:53,830 --> 01:19:50,080

that are repetitive and

2198

01:19:55,990 --> 01:19:53,840

mechanical um because even complex beats

2199

01:19:57,430 --> 01:19:56,000

with cross rhythms and syncopations are

2200

01:19:58,630 --> 01:19:57,440

better understood by the right

2201
01:20:01,110 --> 01:19:58,640
atmosphere

2202
01:20:01,990 --> 01:20:01,120
but melody and armor are really very

2203
01:20:03,510 --> 01:20:02,000
much dependent

2204
01:20:05,350 --> 01:20:03,520
for most people non-professional

2205
01:20:08,550 --> 01:20:05,360
musicians dependent on

2206
01:20:09,430 --> 01:20:08,560
the right hemisphere and all i was

2207
01:20:12,229 --> 01:20:09,440
really saying

2208
01:20:13,350 --> 01:20:12,239
is that in our culture i was just

2209
01:20:16,870 --> 01:20:13,360
pointing to the

2210
01:20:19,270 --> 01:20:16,880
101 ways in which we can see

2211
01:20:20,310 --> 01:20:19,280
what i consider to be the the dire

2212
01:20:22,550 --> 01:20:20,320
impact of

2213
01:20:24,550 --> 01:20:22,560

not using or paying attention to what

2214

01:20:25,270 --> 01:20:24,560

our right hemispheres will still tell us

2215

01:20:27,510 --> 01:20:25,280

if we just

2216

01:20:29,590 --> 01:20:27,520

listen to what they're enabling us to

2217

01:20:32,870 --> 01:20:29,600

understand experience and

2218

01:20:35,910 --> 01:20:32,880

live in

2219

01:20:37,750 --> 01:20:35,920

one of those um one of those 101

2220

01:20:39,830 --> 01:20:37,760

things is the way in which music has

2221

01:20:42,950 --> 01:20:39,840

changed interestingly to be

2222

01:20:44,550 --> 01:20:42,960

largely a matter of rhythm and that

2223

01:20:47,350 --> 01:20:44,560

melodies and harmonies are not as

2224

01:20:49,590 --> 01:20:47,360

settled as they they used to be

2225

01:20:50,790 --> 01:20:49,600

and are in many kinds of music but

2226

01:20:51,350 --> 01:20:50,800

there's nothing wrong with rhythm in

2227

01:20:52,629 --> 01:20:51,360

itself

2228

01:20:55,830 --> 01:20:52,639

although there is something very

2229

01:20:59,350 --> 01:20:55,840

important about variation in rhythm

2230

01:21:02,229 --> 01:20:59,360

so certainly in playing

2231

01:21:02,709 --> 01:21:02,239

if you're a great pianist you you

2232

01:21:04,470 --> 01:21:02,719

wouldn't

2233

01:21:06,470 --> 01:21:04,480

play something in the way that a

2234

01:21:09,189 --> 01:21:06,480

computer would play the notes

2235

01:21:10,470 --> 01:21:09,199

with exact same lengths and exact same

2236

01:21:12,229 --> 01:21:10,480

intervals

2237

01:21:13,750 --> 01:21:12,239

um there's something called rubato which

2238

01:21:15,990 --> 01:21:13,760

you may know of which is

2239

01:21:17,669 --> 01:21:16,000

the business of very slight variations

2240

01:21:21,030 --> 01:21:17,679

from outer bar

2241

01:21:24,870 --> 01:21:21,040

in the movement of the music

2242

01:21:27,189 --> 01:21:24,880

um and this is a parallel to the fact

2243

01:21:28,310 --> 01:21:27,199

that living rhythms are always variable

2244

01:21:31,669 --> 01:21:28,320

they're not

2245

01:21:33,910 --> 01:21:31,679

uh mechanical and i was absolutely

2246

01:21:37,110 --> 01:21:33,920

amazed when i was on the

2247

01:21:40,310 --> 01:21:37,120

obstetrics wards um

2248

01:21:43,830 --> 01:21:40,320

when i was a doctor in training

2249

01:21:47,669 --> 01:21:43,840

and just begun that attachment to learn

2250

01:21:48,870 --> 01:21:47,679

that when the fetus the heartbeat the

2251

01:21:52,070 --> 01:21:48,880

fetal heartbeat

2252

01:21:53,030 --> 01:21:52,080

is entirely rhythmical the baby is an

2253

01:21:56,629 --> 01:21:53,040

emergency

2254

01:21:59,590 --> 01:21:56,639

the baby is in danger of dying

2255

01:22:01,189 --> 01:21:59,600

and a healthy fetus has a variable

2256

01:22:03,189 --> 01:22:01,199

heartbeat

2257

01:22:04,229 --> 01:22:03,199

now i mean that's an image to me of many

2258

01:22:07,189 --> 01:22:04,239

other things

2259

01:22:08,709 --> 01:22:07,199

that you know that there is a beauty in

2260

01:22:12,229 --> 01:22:08,719

the slight hesitancies

2261

01:22:14,229 --> 01:22:12,239

in dance in music it's very

2262

01:22:15,750 --> 01:22:14,239

very hard to put your finger on what

2263

01:22:18,470 --> 01:22:15,760

they are and they're

2264

01:22:21,510 --> 01:22:18,480
they're within an overall frame of

2265

01:22:23,750 --> 01:22:21,520
irregularity so the irregularities

2266

01:22:25,110 --> 01:22:23,760
within the overarching frame of

2267

01:22:27,270 --> 01:22:25,120
regularity

2268

01:22:28,550 --> 01:22:27,280
and this comes to something very very

2269

01:22:32,470 --> 01:22:28,560
deep for me

2270

01:22:37,430 --> 01:22:32,480
which is that

2271

01:22:39,750 --> 01:22:37,440
we need togetherness but we also need

2272

01:22:41,110 --> 01:22:39,760
distinctness we need individuality but

2273

01:22:44,790 --> 01:22:41,120
we need

2274

01:22:48,149 --> 01:22:44,800
um the whole but the important thing is

2275

01:22:50,790 --> 01:22:48,159
we should be under the embrace of

2276

01:22:51,590 --> 01:22:50,800

force for togetherness not the force for

2277

01:22:54,390 --> 01:22:51,600

separation

2278

01:22:55,270 --> 01:22:54,400

so in brief we need the force for

2279

01:22:57,510 --> 01:22:55,280

division

2280

01:22:58,629 --> 01:22:57,520

and we need the force for union we need

2281

01:23:02,790 --> 01:22:58,639

both

2282

01:23:05,910 --> 01:23:02,800

unified

2283

01:23:06,709 --> 01:23:05,920

not divided this reminds me of longing

2284

01:23:08,229 --> 01:23:06,719

versus want

2285

01:23:10,310 --> 01:23:08,239

in your book you mentioned longing is a

2286

01:23:13,110 --> 01:23:10,320

unification a stretching out to

2287

01:23:14,390 --> 01:23:13,120

but want is a desire which puts you it

2288

01:23:15,590 --> 01:23:14,400

separate from

2289

01:23:17,510 --> 01:23:15,600

yes is there a connection or is that

2290

01:23:20,629 --> 01:23:17,520

just in my head

2291

01:23:22,390 --> 01:23:20,639

no i'm delighted that you made that

2292

01:23:23,110 --> 01:23:22,400

connection i think it's it's exactly

2293

01:23:25,590 --> 01:23:23,120

right

2294

01:23:26,790 --> 01:23:25,600

from from my point of view and in fact

2295

01:23:29,910 --> 01:23:26,800

there is um

2296

01:23:31,669 --> 01:23:29,920

if people are interested if you if you

2297

01:23:32,870 --> 01:23:31,679

google mcgilfrid's longing and one thing

2298

01:23:36,870 --> 01:23:32,880

i think it's called

2299

01:23:39,189 --> 01:23:36,880

i gave an hour-long talk um in london

2300

01:23:40,950 --> 01:23:39,199

about four years ago on the distinction

2301

01:23:43,990 --> 01:23:40,960

between longing and wanting

2302

01:23:44,470 --> 01:23:44,000

and nowadays it seems to me that we have

2303

01:23:46,870 --> 01:23:44,480

lost

2304

01:23:48,310 --> 01:23:46,880

the sense of a longing for something to

2305

01:23:50,709 --> 01:23:48,320

which we already feel

2306

01:23:52,149 --> 01:23:50,719

an attraction and which is calling to us

2307

01:23:55,350 --> 01:23:52,159

and which we are

2308

01:23:58,629 --> 01:23:55,360

we are sort of uh rather

2309

01:24:00,310 --> 01:23:58,639

blind way trying to to reach towards but

2310

01:24:02,310 --> 01:24:00,320

constant reaching out to

2311

01:24:03,350 --> 01:24:02,320

instead we have once you know i don't

2312

01:24:05,189 --> 01:24:03,360

that that

2313

01:24:07,030 --> 01:24:05,199

you get to put it in your little bag of

2314

01:24:10,070 --> 01:24:07,040

stuff what do you want in a relationship

2315

01:24:13,910 --> 01:24:12,709

well i think these words all have their

2316

01:24:14,790 --> 01:24:13,920

meaning and they all have their value

2317

01:24:17,030 --> 01:24:14,800

and they they will

2318

01:24:18,629 --> 01:24:17,040

have their place but but no i think

2319

01:24:19,110 --> 01:24:18,639

there was a very i mean it's fascinating

2320

01:24:21,270 --> 01:24:19,120

the word

2321

01:24:23,750 --> 01:24:21,280

long literally comes from an anglo-saxon

2322

01:24:26,629 --> 01:24:23,760

rude langion which means to stretch out

2323

01:24:28,149 --> 01:24:26,639

something that is gone from you but

2324

01:24:29,669 --> 01:24:28,159

which you are still connected you want

2325

01:24:32,870 --> 01:24:29,679

to reconnect with

2326

01:24:36,390 --> 01:24:34,950

sisterly and diastole if you like which

2327

01:24:38,310 --> 01:24:36,400

are from the heartbeat you know the

2328

01:24:39,750 --> 01:24:38,320

sisterly followed by the diastole the

2329

01:24:41,750 --> 01:24:39,760

lup followed by the top

2330

01:24:42,790 --> 01:24:41,760

there's this kind of contraction and

2331

01:24:44,950 --> 01:24:42,800

release is

2332

01:24:46,030 --> 01:24:44,960

the way in which movement happens in

2333

01:24:49,350 --> 01:24:46,040

nature by

2334

01:24:50,709 --> 01:24:49,360

alternations of that kind produce

2335

01:24:51,750 --> 01:24:50,719

something that is just a kind of

2336

01:24:54,070 --> 01:24:51,760

addition

2337

01:24:56,229 --> 01:24:54,080

of the two in some neutral way or a or

2338

01:24:58,629 --> 01:24:56,239

perhaps a compromise of 50 50.

2339

01:24:59,590 --> 01:24:58,639

it produces something completely new

2340

01:25:01,830 --> 01:24:59,600

this is the point

2341

01:25:04,149 --> 01:25:01,840

it is the creation the creativity of

2342

01:25:07,189 --> 01:25:04,159

your life of this world of the cosmos

2343

01:25:10,950 --> 01:25:07,199

depends on our ability to see that

2344

01:25:13,030 --> 01:25:10,960

opposites need to be held together

2345

01:25:15,350 --> 01:25:13,040

the world is not as simple as we think

2346

01:25:17,510 --> 01:25:15,360

it is things that we think are good

2347

01:25:18,950 --> 01:25:17,520

also can seem kill something that is bad

2348

01:25:20,470 --> 01:25:18,960

the things that we think are bad also

2349

01:25:22,229 --> 01:25:20,480

conceal something that is good

2350

01:25:24,629 --> 01:25:22,239

and we need to finesse these things in

2351

01:25:27,110 --> 01:25:24,639

order to find our way in the world

2352

01:25:28,709 --> 01:25:27,120

what i mean by the opposition bringing

2353

01:25:31,430 --> 01:25:28,719

something new into being

2354

01:25:33,910 --> 01:25:31,440

is the tension of a string of a guitar

2355

01:25:36,550 --> 01:25:33,920

or a violin

2356

01:25:38,149 --> 01:25:36,560

it's important for that that it's pulled

2357

01:25:39,750 --> 01:25:38,159

in two directions at once

2358

01:25:41,669 --> 01:25:39,760

in fact if it weren't pulled in two

2359

01:25:43,430 --> 01:25:41,679

directions at once it wouldn't

2360

01:25:44,950 --> 01:25:43,440

work you might say well that's a waste

2361

01:25:46,390 --> 01:25:44,960

of energy why pull things in two

2362

01:25:47,750 --> 01:25:46,400

directions at once why not come to an

2363

01:25:49,430 --> 01:25:47,760

agreement and a compromise

2364

01:25:50,870 --> 01:25:49,440

and just stop pulling well then you

2365

01:25:52,790 --> 01:25:50,880

don't have a string anymore you don't

2366

01:25:56,070 --> 01:25:52,800

have a violin anymore you don't have any

2367

01:26:00,149 --> 01:25:57,830

well something comes out of that

2368

01:26:01,750 --> 01:26:00,159

conflict which is very important sorry

2369

01:26:03,590 --> 01:26:01,760

to be fair in string theory you can't

2370

01:26:04,870 --> 01:26:03,600

have closed loop strings and you just

2371

01:26:05,750 --> 01:26:04,880

give them attention it's just like a

2372

01:26:08,870 --> 01:26:05,760

variable you vary

2373

01:26:11,110 --> 01:26:08,880

oh i i really wasn't um uh pretending to

2374

01:26:14,310 --> 01:26:11,120

talk about string seriously

2375

01:26:16,870 --> 01:26:14,320

you don't understand it i know okay

2376

01:26:17,669 --> 01:26:16,880

when you say that you're like we need to

2377

01:26:20,310 --> 01:26:17,679

we're separate

2378

01:26:21,590 --> 01:26:20,320

but we're also together and this impulse

2379

01:26:23,350 --> 01:26:21,600

to be separated

2380

01:26:24,709 --> 01:26:23,360

should be there and the impulse to be

2381

01:26:26,870 --> 01:26:24,719

together should be there we should

2382

01:26:28,070 --> 01:26:26,880

be guided by the together one more so

2383

01:26:31,830 --> 01:26:28,080

than the separate one

2384

01:26:35,270 --> 01:26:31,840

that's the individuality okay that to me

2385

01:26:36,390 --> 01:26:35,280

it reminds me is i i'm not meaning this

2386

01:26:38,709 --> 01:26:36,400

by the way can i just say i'm not

2387

01:26:41,189 --> 01:26:38,719

meaning this principally or only

2388

01:26:43,270 --> 01:26:41,199

uh to do with social relations i'm

2389

01:26:45,910 --> 01:26:43,280

thinking of it as

2390

01:26:48,149 --> 01:26:45,920

a metaphysical structural feature of

2391

01:26:49,510 --> 01:26:48,159

reality that it has this structure

2392

01:26:51,910 --> 01:26:49,520

of the need for difference and

2393

01:26:52,550 --> 01:26:51,920

togetherness not just we as human beings

2394

01:26:54,390 --> 01:26:52,560

have it

2395

01:26:55,990 --> 01:26:54,400

okay well now you gave me another idea

2396

01:26:57,990 --> 01:26:56,000

so let's say i'm walking along

2397

01:26:59,830 --> 01:26:58,000

the beach yeah and i'm looking at the

2398

01:27:02,470 --> 01:26:59,840

waves and the sand and the sun

2399

01:27:03,270 --> 01:27:02,480

am i supposed to feel or is it good for

2400

01:27:05,750 --> 01:27:03,280

me to feel

2401

01:27:07,590 --> 01:27:05,760

connected to it and feel as if the waves

2402

01:27:08,950 --> 01:27:07,600

are alive in some manner and i'm

2403

01:27:12,070 --> 01:27:08,960

speaking to the rocks

2404

01:27:15,270 --> 01:27:12,080

because in the dead end left hemispheric

2405

01:27:17,189 --> 01:27:15,280

view i see them or one would see them as

2406

01:27:18,390 --> 01:27:17,199

impressions picturesque impressions upon

2407

01:27:21,350 --> 01:27:18,400

my slate

2408

01:27:22,310 --> 01:27:21,360

of sense so sense data pressed upon me

2409

01:27:23,669 --> 01:27:22,320

but then i can

2410

01:27:26,149 --> 01:27:23,679

and then i know that that's associated

2411

01:27:28,709 --> 01:27:26,159

with schizophrenias schizophrenic

2412

01:27:30,229 --> 01:27:28,719

ideation in its extreme okay but then in

2413

01:27:32,390 --> 01:27:30,239

the other extreme i could see

2414

01:27:34,149 --> 01:27:32,400

someone going and talking to the rocks

2415

01:27:36,070 --> 01:27:34,159

and and holding them up and kissing them

2416

01:27:38,229 --> 01:27:36,080

as that its own form of

2417

01:27:39,270 --> 01:27:38,239

psychosis but i'm not sure i don't know

2418

01:27:40,229 --> 01:27:39,280

if that's actually associated with

2419

01:27:42,070 --> 01:27:40,239

schizophrenic

2420

01:27:43,830 --> 01:27:42,080

thought either way i want to hear so

2421

01:27:47,110 --> 01:27:43,840

which one should i do should i

2422

01:27:49,910 --> 01:27:47,120

stand back passively of you or should i

2423

01:27:50,709 --> 01:27:49,920

treat it somehow emulated in my brain as

2424

01:27:53,510 --> 01:27:50,719

this is living

2425

01:27:53,910 --> 01:27:53,520

be curt be in this world as if you're

2426

01:27:56,229 --> 01:27:53,920

living

2427

01:27:58,470 --> 01:27:56,239

engaging with it but these are not just

2428

01:28:02,149 --> 01:27:58,480

plastic objects that of wood

2429

01:28:03,430 --> 01:28:02,159

they're they're also not beings let's

2430

01:28:04,950 --> 01:28:03,440

say but they're

2431

01:28:07,030 --> 01:28:04,960

there's something to them there's some

2432

01:28:09,350 --> 01:28:07,040

life that they have so how

2433

01:28:11,110 --> 01:28:09,360

how does one dance that web because i

2434

01:28:13,270 --> 01:28:11,120

can see

2435

01:28:14,709 --> 01:28:13,280

inane craziness on both ends of the

2436

01:28:16,790 --> 01:28:14,719

spectrum

2437

01:28:18,709 --> 01:28:16,800

but does it have to be one or the other

2438

01:28:21,750 --> 01:28:18,719

in keeping with what i've been saying

2439

01:28:23,830 --> 01:28:21,760

isn't it an error to go to one extreme

2440

01:28:25,910 --> 01:28:23,840

of either of these not because the

2441

01:28:27,430 --> 01:28:25,920

reality exists in a compromise

2442

01:28:30,149 --> 01:28:27,440

but because there is a wholly different

2443

01:28:32,229 --> 01:28:30,159

position that is only found when you

2444

01:28:35,350 --> 01:28:32,239

reconcile the two opposites

2445

01:28:35,750 --> 01:28:35,360

that is my point um and it's imaged in

2446

01:28:40,149 --> 01:28:35,760

that

2447

01:28:44,149 --> 01:28:40,159

taut string um but

2448

01:28:45,430 --> 01:28:44,159

i think it's a very unusual view we have

2449

01:28:47,590 --> 01:28:45,440

of the world

2450

01:28:48,950 --> 01:28:47,600

that we are separate from it and it is

2451

01:28:51,110 --> 01:28:48,960

dead

2452

01:28:53,750 --> 01:28:51,120

uh and that any life in it is something

2453

01:28:56,310 --> 01:28:53,760

we attribute to it

2454

01:28:56,950 --> 01:28:56,320

i argue and it's too long an argument to

2455

01:29:00,229 --> 01:28:56,960

do now

2456

01:29:03,750 --> 01:29:00,239

i even argue that inanimacy

2457

01:29:05,510 --> 01:29:03,760

is if you like the ultimate limit case

2458

01:29:07,830 --> 01:29:05,520

of animacy

2459

01:29:09,669 --> 01:29:07,840

not that animacy is some weird thing

2460

01:29:12,950 --> 01:29:09,679

that popped into the cosmos

2461

01:29:15,910 --> 01:29:12,960

i think animacy is of the essence

2462

01:29:18,470 --> 01:29:15,920

of a conscious universe in different

2463

01:29:20,870 --> 01:29:18,480

ways in different degrees

2464

01:29:21,830 --> 01:29:20,880

as an animosity or are the union animals

2465

01:29:25,750 --> 01:29:21,840

no no as

2466

01:29:28,950 --> 01:29:25,760

as as in things being animated so

2467

01:29:31,910 --> 01:29:28,960

obviously yes um but

2468

01:29:32,870 --> 01:29:31,920

we don't have to to go to to to that

2469

01:29:34,950 --> 01:29:32,880

that extr

2470

01:29:36,629 --> 01:29:34,960

well not an extreme but but to that

2471

01:29:39,030 --> 01:29:36,639

length if you like

2472

01:29:40,390 --> 01:29:39,040

um we i wouldn't have time to justify

2473

01:29:41,030 --> 01:29:40,400

that position but i think i do in my

2474

01:29:43,669 --> 01:29:41,040

book

2475

01:29:45,270 --> 01:29:43,679

but in any case most people at most

2476

01:29:48,629 --> 01:29:45,280

times in the world

2477

01:29:50,470 --> 01:29:48,639

have not failed to make a proper

2478

01:29:53,590 --> 01:29:50,480

scientific assessment and

2479

01:29:54,790 --> 01:29:53,600

come up with a theory that things around

2480

01:29:57,189 --> 01:29:54,800

them are alive

2481

01:29:58,390 --> 01:29:57,199

they know they're alive because they

2482

01:30:01,830 --> 01:29:58,400

actually experience

2483

01:30:04,229 --> 01:30:01,840

that and we have told ourselves that we

2484

01:30:06,149 --> 01:30:04,239

can't be experiencing that because

2485

01:30:07,430 --> 01:30:06,159

it's just not wrong isn't it i mean an

2486

01:30:10,149 --> 01:30:07,440

age of science

2487

01:30:11,669 --> 01:30:10,159

but what do we know about that actually

2488

01:30:12,229 --> 01:30:11,679

science is not dealing with that

2489

01:30:15,110 --> 01:30:12,239

question

2490

01:30:17,110 --> 01:30:15,120

science is not able to talk about

2491

01:30:20,950 --> 01:30:17,120

whether there is

2492

01:30:22,229 --> 01:30:20,960

um something that has consciousness or

2493

01:30:25,430 --> 01:30:22,239

animacy

2494

01:30:29,910 --> 01:30:25,440

in the world outside of our own

2495

01:30:35,590 --> 01:30:33,110

i don't think that one needs to either

2496

01:30:38,149 --> 01:30:35,600

tell oneself one's wrong when one feels

2497

01:30:40,709 --> 01:30:38,159

a sense of connectedness

2498

01:30:41,590 --> 01:30:40,719

or think that being properly connected

2499

01:30:43,430 --> 01:30:41,600

means

2500

01:30:45,669 --> 01:30:43,440

you're being being swallowed up and you

2501
01:30:47,350 --> 01:30:45,679
don't you know love those waves so much

2502
01:30:48,229 --> 01:30:47,360
that you go into a rough scene and get

2503
01:30:51,750 --> 01:30:48,239
drowned so

2504
01:30:53,669 --> 01:30:51,760
you need to keep keep walking this

2505
01:30:56,390 --> 01:30:53,679
balance and it's all about the balance

2506
01:30:57,990 --> 01:30:56,400
or harmony harmony was the greek word

2507
01:30:59,750 --> 01:30:58,000
and it's a word that we've lost because

2508
01:31:01,189 --> 01:30:59,760
i mean our world has so little harmony

2509
01:31:04,470 --> 01:31:01,199
in it

2510
01:31:06,950 --> 01:31:04,480
things that we call harmony are actually

2511
01:31:07,990 --> 01:31:06,960
dictated fiats that things must be like

2512
01:31:10,390 --> 01:31:08,000
this but no

2513
01:31:11,590 --> 01:31:10,400

true harmony is is a kind of thing that

2514

01:31:13,669 --> 01:31:11,600

has to evolve

2515

01:31:15,430 --> 01:31:13,679

between things being fully themselves

2516

01:31:16,149 --> 01:31:15,440

and not pretending to be something

2517

01:31:19,990 --> 01:31:16,159

they're not

2518

01:31:20,390 --> 01:31:20,000

so yeah i think it i think it is a very

2519

01:31:22,950 --> 01:31:20,400

very

2520

01:31:23,430 --> 01:31:22,960

important element i i wrote also an

2521

01:31:25,189 --> 01:31:23,440

article

2522

01:31:27,669 --> 01:31:25,199

for the journal of consciousness studies

2523

01:31:30,149 --> 01:31:27,679

on the question of the self

2524

01:31:32,550 --> 01:31:30,159

because i think there's a confusion you

2525

01:31:37,270 --> 01:31:35,830

the holy person or the wise person has

2526

01:31:40,229 --> 01:31:37,280

no self

2527

01:31:41,350 --> 01:31:40,239

and i think i know what is meant i think

2528

01:31:44,550 --> 01:31:41,360

i can see very clearly

2529

01:31:48,709 --> 01:31:44,560

what has meant not a narrow egotistic

2530

01:31:53,510 --> 01:31:48,719

selfish um fragmentary atomistic

2531

01:31:56,709 --> 01:31:53,520

self of course but at the same time

2532

01:31:59,750 --> 01:31:56,719

by growing in richness and

2533

01:32:02,870 --> 01:31:59,760

thinking and meditating and

2534

01:32:05,350 --> 01:32:02,880

creating and just being you are

2535

01:32:06,550 --> 01:32:05,360

growing a soul you are growing a person

2536

01:32:09,430 --> 01:32:06,560

you are growing

2537

01:32:11,750 --> 01:32:09,440

fulfilling an individual element of the

2538

01:32:13,430 --> 01:32:11,760

cosmos that will never be there again

2539

01:32:15,189 --> 01:32:13,440

and surely to say that that's all

2540

01:32:17,270 --> 01:32:15,199

valueless and the whole

2541

01:32:18,950 --> 01:32:17,280

business of existence is to try and deny

2542

01:32:19,750 --> 01:32:18,960

that and get as far away from it as

2543

01:32:23,430 --> 01:32:19,760

possible

2544

01:32:26,470 --> 01:32:23,440

seems to me a little bit um negative

2545

01:32:29,189 --> 01:32:26,480

because even the buddha you know

2546

01:32:30,950 --> 01:32:29,199

had to sleep had to eat had to go to the

2547

01:32:33,110 --> 01:32:30,960

lavatory and if somebody

2548

01:32:33,990 --> 01:32:33,120

shot the buddha he didn't go well he

2549

01:32:37,110 --> 01:32:34,000

didn't shoot me

2550

01:32:37,590 --> 01:32:37,120

because he did you know every everybody

2551

01:32:40,709 --> 01:32:37,600

has

2552

01:32:42,390 --> 01:32:40,719

their individual self but there's a very

2553

01:32:44,790 --> 01:32:42,400

big difference between what jung

2554

01:32:47,110 --> 01:32:44,800

called the self which is a sort of

2555

01:32:49,189 --> 01:32:47,120

mature thing that you grow into

2556

01:32:50,550 --> 01:32:49,199

and the ego which is this sort of more

2557

01:32:53,189 --> 01:32:50,560

left hemispheric

2558

01:32:53,990 --> 01:32:53,199

sense of the self as the acquirer the

2559

01:32:56,149 --> 01:32:54,000

manipulator

2560

01:32:57,590 --> 01:32:56,159

the one that wields power and that's

2561

01:33:01,270 --> 01:32:57,600

very important again

2562

01:33:05,110 --> 01:33:01,280

in the spiritual philosophies

2563

01:33:06,950 --> 01:33:05,120

of most cultures the renouncing of power

2564

01:33:08,790 --> 01:33:06,960

because power is very much the left

2565

01:33:10,950 --> 01:33:08,800

hemisphere's major tool

2566

01:33:12,229 --> 01:33:10,960

it exists in order to make us powerful

2567

01:33:14,149 --> 01:33:12,239

to get things to grab

2568

01:33:15,510 --> 01:33:14,159

things to get prey to build things to

2569

01:33:17,270 --> 01:33:15,520

make things

2570

01:33:19,110 --> 01:33:17,280

and thinks that we will become happier

2571

01:33:22,149 --> 01:33:19,120

or better in doing so

2572

01:33:24,390 --> 01:33:22,159

although all the evidence is very clear

2573

01:33:26,870 --> 01:33:24,400

we don't become happier or morally about

2574

01:33:28,870 --> 01:33:26,880

a people by doing it

2575

01:33:30,149 --> 01:33:28,880

what you say just makes me think of

2576

01:33:33,110 --> 01:33:30,159

there's quite a few thoughts i'll

2577

01:33:33,910 --> 01:33:33,120

i'll splay out two of them one is okay

2578

01:33:36,070 --> 01:33:33,920

freud said

2579

01:33:37,510 --> 01:33:36,080

or at least freud surmised that his id

2580

01:33:39,510 --> 01:33:37,520

ego and so on would have some

2581

01:33:41,910 --> 01:33:39,520

morphological equivalent in the brain

2582

01:33:43,189 --> 01:33:41,920

if neuroscience would just progress now

2583

01:33:44,870 --> 01:33:43,199

it sounds like what you're saying is

2584

01:33:46,870 --> 01:33:44,880

to some degree that's true because the

2585

01:33:47,910 --> 01:33:46,880

left hemisphere is associated with the

2586

01:33:52,229 --> 01:33:47,920

ego

2587

01:33:56,149 --> 01:33:54,550

i don't really want to to say yes to

2588

01:33:59,189 --> 01:33:56,159

that or no to it because

2589

01:34:03,110 --> 01:33:59,199

in some senses yes in some senses no it

2590

01:34:05,270 --> 01:34:03,120

it depends too much what you mean by ego

2591

01:34:07,030 --> 01:34:05,280

and some aspects of the superego might

2592

01:34:08,790 --> 01:34:07,040

be better identified with the frontal

2593

01:34:10,629 --> 01:34:08,800

lobes rather than with either right or

2594

01:34:11,990 --> 01:34:10,639

left hemisphere

2595

01:34:13,990 --> 01:34:12,000

and certainly it wouldn't be right to

2596

01:34:16,830 --> 01:34:14,000

say the right hemisphere is the id

2597

01:34:18,310 --> 01:34:16,840

the right hemisphere is the morally

2598

01:34:20,709 --> 01:34:18,320

self-abnegating

2599

01:34:23,590 --> 01:34:20,719

part of us the part that enables us to

2600

01:34:27,430 --> 01:34:23,600

be good friends parents and citizens

2601
01:34:29,430 --> 01:34:27,440
it is the bit that david hecht at

2602
01:34:30,790 --> 01:34:29,440
ucl in london says quite

2603
01:34:33,270 --> 01:34:30,800
straightforwardly

2604
01:34:34,149 --> 01:34:33,280
and i i think i i'd sign up to it

2605
01:34:37,110 --> 01:34:34,159
largely

2606
01:34:39,110 --> 01:34:37,120
that the right hemisphere is moral in

2607
01:34:40,229 --> 01:34:39,120
its attitudes and the land is basically

2608
01:34:42,709 --> 01:34:40,239
immoral it

2609
01:34:43,990 --> 01:34:42,719
it is there for what it can get is the

2610
01:34:48,149 --> 01:34:44,000
left hemisphere

2611
01:34:51,830 --> 01:34:48,159
immoral or amoral immoral

2612
01:34:53,830 --> 01:34:51,840
okay in other words it has a morality

2613
01:34:55,430 --> 01:34:53,840

and it has it has really no sense of

2614

01:34:58,629 --> 01:34:55,440

well let me just

2615

01:35:00,870 --> 01:34:58,639

go back on that in the book

2616

01:35:03,830 --> 01:35:00,880

this new book i argue that the left

2617

01:35:06,790 --> 01:35:03,840

hands can't really understand morality

2618

01:35:07,270 --> 01:35:06,800

it hasn't any really a sense of morality

2619

01:35:11,350 --> 01:35:07,280

so

2620

01:35:13,990 --> 01:35:11,360

it substitutes for morality calculation

2621

01:35:15,990 --> 01:35:14,000

it says if i weigh up the consequences

2622

01:35:16,470 --> 01:35:16,000

of this act and the consequences of that

2623

01:35:18,229 --> 01:35:16,480

act

2624

01:35:21,430 --> 01:35:18,239

i can find out which is the morally

2625

01:35:23,590 --> 01:35:21,440

right act that sounds very good

2626
01:35:25,830 --> 01:35:23,600
but there are many circumstances in life

2627
01:35:27,910 --> 01:35:25,840
in which it would be profoundly immoral

2628
01:35:28,629 --> 01:35:27,920
even to carry out a calculus of that

2629
01:35:31,430 --> 01:35:28,639
kind

2630
01:35:32,470 --> 01:35:31,440
and it's in normal circumstances apart

2631
01:35:35,270 --> 01:35:32,480
from one or two

2632
01:35:37,510 --> 01:35:35,280
philosophers it's mainly people who have

2633
01:35:39,189 --> 01:35:37,520
right hemisphere damage or frontal lobe

2634
01:35:41,750 --> 01:35:39,199
damage

2635
01:35:43,830 --> 01:35:41,760
or are very severely autistic who think

2636
01:35:46,470 --> 01:35:43,840
in that way

2637
01:35:48,390 --> 01:35:46,480
most of us have a sense that morality is

2638
01:35:51,189 --> 01:35:48,400

something more complex than that

2639

01:35:52,470 --> 01:35:51,199

and that we don't do it would be quite

2640

01:35:54,830 --> 01:35:52,480

wrong to make decisions

2641

01:35:56,070 --> 01:35:54,840

based on an entirely dispassionate

2642

01:35:58,870 --> 01:35:56,080

mathematical

2643

01:35:59,750 --> 01:35:58,880

in fact how would you attach the values

2644

01:36:03,109 --> 01:35:59,760

i mean

2645

01:36:06,550 --> 01:36:03,119

would a would the value gained by many

2646

01:36:09,590 --> 01:36:06,560

sadistic um pedophiles

2647

01:36:11,830 --> 01:36:09,600

around the world outweigh

2648

01:36:13,430 --> 01:36:11,840

in the pleasure given to thousands of

2649

01:36:16,229 --> 01:36:13,440

people the suffering of one

2650

01:36:16,629 --> 01:36:16,239

innocent child that is tortured for fun

2651

01:36:18,709 --> 01:36:16,639

well

2652

01:36:20,310 --> 01:36:18,719

if you have to do a sum on that then you

2653

01:36:21,510 --> 01:36:20,320

there's something wrong with your moral

2654

01:36:23,430 --> 01:36:21,520

sense

2655

01:36:26,310 --> 01:36:23,440

and i know that's an extreme case but

2656

01:36:28,149 --> 01:36:26,320

i'm afraid it's a rather important

2657

01:36:29,750 --> 01:36:28,159

indicator of something that is wrong

2658

01:36:33,270 --> 01:36:29,760

with utilitarianism

2659

01:36:34,390 --> 01:36:33,280

on its own utilitarianism has a place

2660

01:36:36,390 --> 01:36:34,400

sometimes

2661

01:36:38,149 --> 01:36:36,400

but again it's this problem the left

2662

01:36:39,910 --> 01:36:38,159

hemisphere thinks that whatever it is it

2663

01:36:40,390 --> 01:36:39,920

does is the only thing and the best

2664

01:36:42,950 --> 01:36:40,400

thing

2665

01:36:45,510 --> 01:36:42,960

whereas it's actually not even core to

2666

01:36:48,709 --> 01:36:45,520

morality utilitarianism

2667

01:36:53,030 --> 01:36:48,719

i believe in a kind of

2668

01:36:56,550 --> 01:36:53,040

um objective moral that i'm so sorry

2669

01:36:57,590 --> 01:36:56,560

do you believe in objective morals

2670

01:36:59,910 --> 01:36:57,600

well it depends what you mean by

2671

01:37:01,350 --> 01:36:59,920

objective i i don't believe it that

2672

01:37:02,870 --> 01:37:01,360

they're just subjective in the sense

2673

01:37:03,669 --> 01:37:02,880

that they're made up by us but i don't

2674

01:37:06,950 --> 01:37:03,679

believe they're

2675

01:37:08,950 --> 01:37:06,960

objective in the sense that

2676

01:37:10,390 --> 01:37:08,960

that a machine would be able to

2677

01:37:12,870 --> 01:37:10,400

calculate it

2678

01:37:13,910 --> 01:37:12,880

i mean when i say objective i mean that

2679

01:37:15,990 --> 01:37:13,920

there's something at the

2680

01:37:17,750 --> 01:37:16,000

structure of reality at the fundamental

2681

01:37:20,470 --> 01:37:17,760

the abutment that has

2682

01:37:21,830 --> 01:37:20,480

morals and that it's not just absolutely

2683

01:37:22,870 --> 01:37:21,840

no no thank you for clarifying no

2684

01:37:25,990 --> 01:37:22,880

definitely

2685

01:37:27,990 --> 01:37:26,000

no i think the cosmos is moral um which

2686

01:37:30,070 --> 01:37:28,000

isn't to say that it's all good

2687

01:37:31,109 --> 01:37:30,080

of course because morality includes the

2688

01:37:33,189 --> 01:37:31,119

whole spectrum

2689

01:37:33,880 --> 01:37:33,199

but i don't think morality is an element

2690

01:37:35,350 --> 01:37:33,890

that we've somehow

2691

01:37:37,590 --> 01:37:35,360

[Music]

2692

01:37:39,270 --> 01:37:37,600

we've come to and it's simply an

2693

01:37:41,590 --> 01:37:39,280

expression of things we like and things

2694

01:37:44,550 --> 01:37:41,600

we don't like i think it is a very

2695

01:37:45,590 --> 01:37:44,560

profound aspect of the business of being

2696

01:37:48,149 --> 01:37:45,600

alive

2697

01:37:49,030 --> 01:37:48,159

as is the appeal of beauty and of

2698

01:37:52,310 --> 01:37:49,040

complexity

2699

01:37:55,350 --> 01:37:52,320

of mathematics of of music

2700

01:37:56,310 --> 01:37:55,360

of landscape all these things embody

2701
01:37:59,350 --> 01:37:56,320
something

2702
01:38:02,870 --> 01:37:59,360
that unless we are

2703
01:38:04,629 --> 01:38:02,880
you know crippled cribbed and confined

2704
01:38:08,070 --> 01:38:04,639
by the left hemispheres

2705
01:38:09,590 --> 01:38:08,080
take on things obviously speak to us

2706
01:38:10,709 --> 01:38:09,600
about something more important than what

2707
01:38:12,950 --> 01:38:10,719
the left hemisphere

2708
01:38:14,070 --> 01:38:12,960
alone can tell us there's nothing wrong

2709
01:38:15,350 --> 01:38:14,080
you know it's not that we

2710
01:38:17,109 --> 01:38:15,360
all be better if we had a left

2711
01:38:18,950 --> 01:38:17,119
hemisphere stroke of course not

2712
01:38:20,870 --> 01:38:18,960
as i often say it's my second favorite

2713
01:38:24,229 --> 01:38:20,880

hemisphere it's terribly important

2714

01:38:25,910 --> 01:38:24,239

but it's you know it got to be under the

2715

01:38:28,310 --> 01:38:25,920

supervision of the right house it's a

2716

01:38:29,750 --> 01:38:28,320

very very good servant it carries out

2717

01:38:31,510 --> 01:38:29,760

very useful tasks

2718

01:38:33,030 --> 01:38:31,520

but it hasn't got the site to see which

2719

01:38:35,430 --> 01:38:33,040

of the useful tasks so

2720

01:38:37,430 --> 01:38:35,440

it must be under the aegis the

2721

01:38:40,709 --> 01:38:37,440

protection the supervision of

2722

01:38:43,109 --> 01:38:40,719

the right hemisphere it's a a bad master

2723

01:38:45,109 --> 01:38:43,119

but a very good servant

2724

01:38:48,070 --> 01:38:45,119

in christianity there's a heavy heavy

2725

01:38:51,109 --> 01:38:48,080

emphasis on both love and truth

2726

01:38:53,030 --> 01:38:51,119

and it's not just

2727

01:38:56,709 --> 01:38:53,040

speak the truth no matter what it's

2728

01:38:58,709 --> 01:38:56,719

speak speak the truth guided by love

2729

01:38:59,990 --> 01:38:58,719

so the truth has to serve love i'm

2730

01:39:01,990 --> 01:39:00,000

wondering is that

2731

01:39:03,830 --> 01:39:02,000

mirrored by the by hemispheric structure

2732

01:39:05,910 --> 01:39:03,840

is that one right brain is

2733

01:39:07,270 --> 01:39:05,920

the love in this sense and then the left

2734

01:39:08,950 --> 01:39:07,280

is the one that's associated with truth

2735

01:39:10,790 --> 01:39:08,960

at least objectively can be associated

2736

01:39:14,790 --> 01:39:10,800

with some form of objective truth or am

2737

01:39:19,669 --> 01:39:17,750

i think you're going you're going an

2738

01:39:24,149 --> 01:39:19,679

awful lot further than i would get

2739

01:39:26,790 --> 01:39:24,159

i i don't think i would say any of that

2740

01:39:28,149 --> 01:39:26,800

um but i think it's perfectly legitimate

2741

01:39:30,229 --> 01:39:28,159

to speculate

2742

01:39:32,870 --> 01:39:30,239

when you're thinking about the richness

2743

01:39:35,830 --> 01:39:32,880

of an idea or an image or a metaphor

2744

01:39:37,189 --> 01:39:35,840

about what it can illuminate so i don't

2745

01:39:39,109 --> 01:39:37,199

think there's anything wrong with

2746

01:39:41,270 --> 01:39:39,119

having an idea and thinking well maybe

2747

01:39:42,629 --> 01:39:41,280

not but i think honestly i'd say maybe

2748

01:39:44,149 --> 01:39:42,639

not to that one

2749

01:39:45,990 --> 01:39:44,159

what do you make of daniel dennett's

2750

01:39:49,830 --> 01:39:46,000

explaining consciousness

2751

01:39:56,390 --> 01:39:53,830

well i i think it's a perfect um

2752

01:39:57,990 --> 01:39:56,400

expression a very intelligent expression

2753

01:40:01,109 --> 01:39:58,000

of a certain

2754

01:40:02,950 --> 01:40:01,119

kind of take on the world a veltan

2755

01:40:05,830 --> 01:40:02,960

chaung which

2756

01:40:07,430 --> 01:40:05,840

is to use the term that you invoked at

2757

01:40:10,870 --> 01:40:07,440

the beginning of our talk

2758

01:40:12,390 --> 01:40:10,880

that is i think rather sadly

2759

01:40:14,390 --> 01:40:12,400

impoverished

2760

01:40:15,910 --> 01:40:14,400

um and it's not a thing that can easily

2761

01:40:17,669 --> 01:40:15,920

be solved by

2762

01:40:20,870 --> 01:40:17,679

argument these are things that you come

2763

01:40:22,790 --> 01:40:20,880

to through experience

2764

01:40:24,709 --> 01:40:22,800

in other words they involve kennen as

2765

01:40:28,229 --> 01:40:24,719

well as wissen

2766

01:40:30,709 --> 01:40:28,239

and they come out of the fruit of many

2767

01:40:33,270 --> 01:40:30,719

kinds of attention to the world

2768

01:40:35,669 --> 01:40:33,280

not just the claim that comes from

2769

01:40:38,229 --> 01:40:35,679

arguing in a seminar room

2770

01:40:40,149 --> 01:40:38,239

and so i not there's anything wrong with

2771

01:40:42,629 --> 01:40:40,159

doing that but again it's a

2772

01:40:43,830 --> 01:40:42,639

supplementary aspect of what philosophy

2773

01:40:45,750 --> 01:40:43,840

is

2774

01:40:47,510 --> 01:40:45,760

philosophy has got a little bit lost i

2775

01:40:50,390 --> 01:40:47,520

think as a sort of technical

2776

01:40:52,470 --> 01:40:50,400

department in the university somewhere

2777

01:40:54,149 --> 01:40:52,480

somewhat like engineering and

2778

01:40:55,270 --> 01:40:54,159

interestingly dan dennett says that if

2779

01:40:57,030 --> 01:40:55,280

he hadn't been a philosopher he'd

2780

01:40:59,189 --> 01:40:57,040

probably been an engineer

2781

01:41:00,390 --> 01:40:59,199

um which which seems to be intuitively

2782

01:41:03,510 --> 01:41:00,400

right

2783

01:41:07,270 --> 01:41:03,520

um but it also

2784

01:41:08,870 --> 01:41:07,280

points to perhaps a certain i don't know

2785

01:41:11,270 --> 01:41:08,880

unwillingness to accept that things

2786

01:41:13,350 --> 01:41:11,280

might be beyond what he knows and more

2787

01:41:15,030 --> 01:41:13,360

complex

2788

01:41:17,350 --> 01:41:15,040

it's interesting that engineers for

2789

01:41:20,149 --> 01:41:17,360

example have a very high

2790

01:41:21,350 --> 01:41:20,159

i did a study on this at the moment the

2791

01:41:22,790 --> 01:41:21,360

hospital which i've

2792

01:41:24,629 --> 01:41:22,800

never actually got around to publishing

2793

01:41:25,990 --> 01:41:24,639

but it was very clear that i didn't

2794

01:41:29,669 --> 01:41:26,000

expect the results

2795

01:41:33,350 --> 01:41:29,679

that people who became mentally ill

2796

01:41:36,070 --> 01:41:33,360

at university

2797

01:41:37,430 --> 01:41:36,080

with a major mental illness those who

2798

01:41:41,030 --> 01:41:37,440

became manic-depressive

2799

01:41:43,910 --> 01:41:41,040

i had an emotional disturbance

2800

01:41:44,790 --> 01:41:43,920

as a primary element in their psychosis

2801

01:41:47,990 --> 01:41:44,800

were not

2802

01:41:49,990 --> 01:41:48,000

principally philosophers or engineers

2803

01:41:51,669 --> 01:41:50,000

but those with schizophrenia were

2804

01:41:52,950 --> 01:41:51,679

massively more likely to have been

2805

01:41:56,950 --> 01:41:52,960

studying engineering

2806

01:42:00,870 --> 01:41:56,960

or philosophy than any other subject and

2807

01:42:04,390 --> 01:42:00,880

it's also come to light that um

2808

01:42:07,350 --> 01:42:04,400

terrorists who are fundamentalists

2809

01:42:10,229 --> 01:42:07,360

have engineers are more represented

2810

01:42:12,629 --> 01:42:10,239

amongst them than amongst other people

2811

01:42:14,149 --> 01:42:12,639

i i you know of course i'm not trying to

2812

01:42:15,910 --> 01:42:14,159

say that

2813

01:42:17,109 --> 01:42:15,920

that that all engineers are like this

2814

01:42:20,550 --> 01:42:17,119

but i'm just pointing to a sort of

2815

01:42:24,229 --> 01:42:22,870

i don't know the predilection for

2816

01:42:26,790 --> 01:42:24,239

engineer-like thinking

2817

01:42:27,270 --> 01:42:26,800

is what is also so it's a pre-election

2818

01:42:33,109 --> 01:42:27,280

for

2819

01:42:35,590 --> 01:42:33,119

of willingness to accept that things

2820

01:42:36,950 --> 01:42:35,600

are not certain and maybe much more

2821

01:42:39,350 --> 01:42:36,960

complex than one

2822

01:42:40,070 --> 01:42:39,360

has given them credit for being let's

2823

01:42:42,229 --> 01:42:40,080

see

2824

01:42:43,109 --> 01:42:42,239

i wanted i'm trying to find this one

2825

01:42:46,310 --> 01:42:43,119

question

2826

01:42:47,189 --> 01:42:46,320

about well okay before i find that

2827

01:42:48,790 --> 01:42:47,199

question

2828

01:42:51,030 --> 01:42:48,800

i'm curious how is it that you were able

2829

01:42:51,430 --> 01:42:51,040

to pin down the insights about the right

2830

01:42:55,510 --> 01:42:51,440

brain

2831

01:42:57,270 --> 01:42:55,520

a book written in language and so on so

2832

01:42:58,950 --> 01:42:57,280

did you engage in meditative exercises

2833

01:43:00,550 --> 01:42:58,960

did you speak to spiritual gurus

2834

01:43:02,070 --> 01:43:00,560

how did you do it or did you just read

2835

01:43:03,350 --> 01:43:02,080

dispassionately the literature and then

2836

01:43:06,950 --> 01:43:03,360

you said okay this is what the right

2837

01:43:10,870 --> 01:43:09,109

well i think it was very like my idea of

2838

01:43:12,629 --> 01:43:10,880

the right brain

2839

01:43:15,830 --> 01:43:12,639

guiding in the left hemisphere doing

2840

01:43:19,910 --> 01:43:15,840

much of the sort of procedural work

2841

01:43:22,310 --> 01:43:19,920

so it's often been pointed out to me

2842

01:43:23,189 --> 01:43:22,320

that without a highly active left

2843

01:43:24,629 --> 01:43:23,199

hemisphere

2844

01:43:28,070 --> 01:43:24,639

i couldn't possibly have written that

2845

01:43:30,229 --> 01:43:28,080

book with its attention to

2846

01:43:32,070 --> 01:43:30,239

expressing extremely difficult things

2847

01:43:33,830 --> 01:43:32,080

that are not intuitively

2848

01:43:35,990 --> 01:43:33,840

the things that most people nowadays in

2849

01:43:38,629 --> 01:43:36,000

the west think in language

2850

01:43:41,590 --> 01:43:38,639

and arguing for them and inducing an

2851
01:43:44,790 --> 01:43:41,600
enormous amount of scientific evidence

2852
01:43:48,070 --> 01:43:44,800
um so i think the left hemisphere

2853
01:43:52,149 --> 01:43:48,080
as i say was a valuable servant to me

2854
01:43:55,669 --> 01:43:52,159
but what i hope is that i was guided by

2855
01:43:58,310 --> 01:43:55,679
a sense of as something that i was

2856
01:44:00,229 --> 01:43:58,320
i was aware of but not fully aware of

2857
01:44:01,430 --> 01:44:00,239
and wanted to explore more and to bring

2858
01:44:06,229 --> 01:44:01,440
into

2859
01:44:07,189 --> 01:44:06,239
the light so that it could be better

2860
01:44:10,310 --> 01:44:07,199
seen

2861
01:44:11,030 --> 01:44:10,320
i think this is the process it's it's

2862
01:44:14,149 --> 01:44:11,040
more like

2863
01:44:14,790 --> 01:44:14,159

seeing a gestalt seeing a form then it

2864

01:44:18,149 --> 01:44:14,800

is

2865

01:44:18,950 --> 01:44:18,159

culminating an argument in which step a

2866

01:44:20,870 --> 01:44:18,960

leads to b

2867

01:44:23,030 --> 01:44:20,880

through to zed and then you switch off

2868

01:44:25,910 --> 01:44:23,040

and say right proved

2869

01:44:27,350 --> 01:44:25,920

that's never going to be a success in

2870

01:44:29,990 --> 01:44:27,360

philosophy in my view

2871

01:44:32,629 --> 01:44:30,000

i say rather controversially because the

2872

01:44:34,149 --> 01:44:32,639

world is not like that

2873

01:44:35,669 --> 01:44:34,159

and plato right at the start thought

2874

01:44:36,390 --> 01:44:35,679

that we shouldn't even write philosophy

2875

01:44:39,830 --> 01:44:36,400

down

2876

01:44:42,629 --> 01:44:39,840

that it could only be done by people

2877

01:44:44,229 --> 01:44:42,639

living people talking to one another for

2878

01:44:44,870 --> 01:44:44,239

a long period getting to know one

2879

01:44:46,830 --> 01:44:44,880

another

2880

01:44:47,990 --> 01:44:46,840

and that then an intuition would come

2881

01:44:51,109 --> 01:44:48,000

about

2882

01:44:52,950 --> 01:44:51,119

like a spark would be kindled now that's

2883

01:44:54,709 --> 01:44:52,960

right at the founding of modern western

2884

01:44:56,870 --> 01:44:54,719

philosophy but we've got a very long way

2885

01:45:00,470 --> 01:44:56,880

from it

2886

01:45:03,590 --> 01:45:00,480

um i i yes i i think the

2887

01:45:04,550 --> 01:45:03,600

the image that i i like is and it's

2888

01:45:05,990 --> 01:45:04,560

occurred to me

2889

01:45:09,430 --> 01:45:06,000

when i was writing my very first book in

2890

01:45:11,510 --> 01:45:09,440

my 20s was what i was trying to say

2891

01:45:13,030 --> 01:45:11,520

was that we have understandings of

2892

01:45:16,070 --> 01:45:13,040

things

2893

01:45:19,270 --> 01:45:16,080

specifically works of literature or

2894

01:45:22,390 --> 01:45:19,280

of music or art or whatever they are not

2895

01:45:24,229 --> 01:45:22,400

by a linear chain of discovery

2896

01:45:25,990 --> 01:45:24,239

but by circling them and seeing them

2897

01:45:29,830 --> 01:45:26,000

from different aspects

2898

01:45:31,910 --> 01:45:29,840

and that it's more like a picture that

2899

01:45:34,310 --> 01:45:31,920

gradually comes into focus or even quite

2900

01:45:36,149 --> 01:45:34,320

suddenly at some point comes into focus

2901

01:45:38,229 --> 01:45:36,159

so at the time you're looking at it it

2902

01:45:41,109 --> 01:45:38,239

doesn't seem coherent

2903

01:45:41,830 --> 01:45:41,119

but then gradually you see bit comes and

2904

01:45:45,030 --> 01:45:41,840

you see i

2905

01:45:46,870 --> 01:45:45,040

see you have an aha moment and things

2906

01:45:48,470 --> 01:45:46,880

begin to fall into place and then other

2907

01:45:50,310 --> 01:45:48,480

things

2908

01:45:52,070 --> 01:45:50,320

refuse to fall into the pictures you've

2909

01:45:54,950 --> 01:45:52,080

got and they help guide

2910

01:45:55,750 --> 01:45:54,960

the next stage so there's a new gesture

2911

01:45:57,590 --> 01:45:55,760

a better one

2912

01:45:59,510 --> 01:45:57,600

replaces and indeed in philosophy what

2913

01:46:01,510 --> 01:45:59,520

we're doing is always just replacing one

2914

01:46:04,390 --> 01:46:01,520

gestalt with another

2915

01:46:05,430 --> 01:46:04,400

what i mean by a gestalt is a form which

2916

01:46:07,430 --> 01:46:05,440

is a whole

2917

01:46:08,709 --> 01:46:07,440

which is more than any of the parts i

2918

01:46:09,669 --> 01:46:08,719

know you know this but i'm just saying

2919

01:46:12,070 --> 01:46:09,679

it in case any

2920

01:46:14,310 --> 01:46:12,080

listener doesn't define the term

2921

01:46:16,229 --> 01:46:14,320

familiar but it's the whole idea that

2922

01:46:17,590 --> 01:46:16,239

there is a whole of something that can't

2923

01:46:19,510 --> 01:46:17,600

be accessed fully

2924

01:46:22,790 --> 01:46:19,520

by simply dividing it up into its parts

2925

01:46:25,990 --> 01:46:22,800

something essential to it is lost

2926

01:46:28,709 --> 01:46:26,000

i have a quote here it's you quoting

2927

01:46:30,070 --> 01:46:28,719

sauce from schizophrenic mind and i'm

2928

01:46:31,430 --> 01:46:30,080

not gonna i'm just gonna paraphrase it

2929

01:46:34,629 --> 01:46:31,440

because it's a quite a

2930

01:46:35,910 --> 01:46:34,639

long paragraph it says that when you

2931

01:46:36,790 --> 01:46:35,920

engage in the world in a passive

2932

01:46:39,109 --> 01:46:36,800

disengaged

2933

01:46:39,990 --> 01:46:39,119

self-conscious stare at the world in an

2934

01:46:42,390 --> 01:46:40,000

objective manner

2935

01:46:43,590 --> 01:46:42,400

it becomes bizarre alien frightening and

2936

01:46:46,390 --> 01:46:43,600

that's akin to

2937

01:46:47,669 --> 01:46:46,400

the schizophrenic mind however yes the

2938

01:46:49,990 --> 01:46:47,679

process of mindfulness

2939

01:46:51,510 --> 01:46:50,000

mindfulness meditation seems shockingly

2940

01:46:53,430 --> 01:46:51,520

similar where you're supposed to stand

2941

01:46:56,390 --> 01:46:53,440

back and you simply observe

2942

01:46:58,870 --> 01:46:56,400

no judgment don't engage it's all just

2943

01:47:01,030 --> 01:46:58,880

being fed to you

2944

01:47:03,109 --> 01:47:01,040

yes but yet on the one hand mindfulness

2945

01:47:04,470 --> 01:47:03,119

meditation is seen as salutary but then

2946

01:47:05,270 --> 01:47:04,480

obviously schizophrenia is not it's

2947

01:47:08,470 --> 01:47:05,280

unadaptive

2948

01:47:10,310 --> 01:47:08,480

so how do you balance those two or solve

2949

01:47:15,669 --> 01:47:10,320

that antinomy

2950

01:47:21,109 --> 01:47:19,189

the hemisphere paradigm

2951
01:47:23,669 --> 01:47:21,119
one is what happens when you allow the

2952
01:47:26,390 --> 01:47:23,679
left hemisphere only to be

2953
01:47:27,510 --> 01:47:26,400
working this is the standing back so

2954
01:47:29,830 --> 01:47:27,520
that your body

2955
01:47:31,750 --> 01:47:29,840
is not involved so that your feeling

2956
01:47:33,910 --> 01:47:31,760
self is not involved

2957
01:47:35,990 --> 01:47:33,920
so that you have deliberately cut off

2958
01:47:37,990 --> 01:47:36,000
all the contacts from something

2959
01:47:39,189 --> 01:47:38,000
and then see it as something utterly

2960
01:47:42,629 --> 01:47:39,199
alien

2961
01:47:45,830 --> 01:47:42,639
whereas the mindfulness

2962
01:47:46,709 --> 01:47:45,840
is and in interestingly and perhaps not

2963
01:47:49,910 --> 01:47:46,719

essentially but

2964

01:47:51,350 --> 01:47:49,920

interestingly the science of mindfulness

2965

01:47:54,420 --> 01:47:51,360

shows that it does

2966

01:47:55,590 --> 01:47:54,430

rely more heavily on right hemisphere um

2967

01:47:59,030 --> 01:47:55,600

[Music]

2968

01:48:01,270 --> 01:47:59,040

activations than left and indeed on

2969

01:48:02,470 --> 01:48:01,280

changes practitioners in the structure

2970

01:48:03,830 --> 01:48:02,480

of the right hemisphere

2971

01:48:05,990 --> 01:48:03,840

but i don't think that's the important

2972

01:48:09,030 --> 01:48:06,000

point i think what is going on

2973

01:48:09,990 --> 01:48:09,040

in mindfulness is that you are adopting

2974

01:48:15,030 --> 01:48:10,000

the

2975

01:48:16,629 --> 01:48:15,040

although you might think it is similar

2976

01:48:20,229 --> 01:48:16,639

it is the exact opposite

2977

01:48:22,950 --> 01:48:20,239

because where as the one is as it were

2978

01:48:24,310 --> 01:48:22,960

isolated and detached the other is

2979

01:48:27,430 --> 01:48:24,320

standing back

2980

01:48:29,750 --> 01:48:27,440

enough to allow the self not to crowd

2981

01:48:33,350 --> 01:48:29,760

everything out

2982

01:48:35,189 --> 01:48:33,360

where the one is actually thinking about

2983

01:48:37,109 --> 01:48:35,199

things all the time the other is saying

2984

01:48:40,149 --> 01:48:37,119

no i'm not going to think at all

2985

01:48:43,590 --> 01:48:40,159

i'm just going to be there with it

2986

01:48:46,790 --> 01:48:43,600

now in the first case in the sort of

2987

01:48:47,990 --> 01:48:46,800

frightening alienating way which

2988

01:48:51,350 --> 01:48:48,000

interestingly

2989

01:48:52,070 --> 01:48:51,360

uh schreiber describes the 19th century

2990

01:48:54,149 --> 01:48:52,080

judge who

2991

01:48:55,669 --> 01:48:54,159

became schizophrenic in his middle years

2992

01:48:59,590 --> 01:48:55,679

and wrote a wonderful

2993

01:49:01,510 --> 01:48:59,600

journal of his mental illness um

2994

01:49:03,910 --> 01:49:01,520

schreiber describes exactly this that

2995

01:49:06,550 --> 01:49:03,920

the world becomes alien as soon as you

2996

01:49:08,310 --> 01:49:06,560

start reflecting on it so much that you

2997

01:49:11,109 --> 01:49:08,320

you drop all the connection with it

2998

01:49:12,070 --> 01:49:11,119

now in mindfulness you are not absent

2999

01:49:14,070 --> 01:49:12,080

from the world

3000

01:49:15,270 --> 01:49:14,080

it's about being fully present in the

3001

01:49:17,109 --> 01:49:15,280

world the

3002

01:49:18,790 --> 01:49:17,119

the idea is that in normal life you're

3003

01:49:20,310 --> 01:49:18,800

not fully present you're not actually

3004

01:49:22,470 --> 01:49:20,320

there with the world at all because your

3005

01:49:25,510 --> 01:49:22,480

thoughts your ideas your judgments

3006

01:49:27,030 --> 01:49:25,520

yourself is crowding it all out so in

3007

01:49:31,030 --> 01:49:27,040

fact they're quite opposite

3008

01:49:34,870 --> 01:49:32,629

i sometimes talk about something called

3009

01:49:37,669 --> 01:49:34,880

necessary distance

3010

01:49:39,109 --> 01:49:37,679

and what i mean by that is exactly that

3011

01:49:41,109 --> 01:49:39,119

kind of distance

3012

01:49:42,390 --> 01:49:41,119

that enables you to see something

3013

01:49:45,669 --> 01:49:42,400

properly as a whole

3014

01:49:47,750 --> 01:49:45,679

not to swamp it but it doesn't mean

3015

01:49:49,669 --> 01:49:47,760

being so far detached from it that you

3016

01:49:50,070 --> 01:49:49,679

can't see it or understand it or relate

3017

01:49:52,470 --> 01:49:50,080

to it

3018

01:49:53,109 --> 01:49:52,480

that would be the opposite of necessary

3019

01:49:56,790 --> 01:49:53,119

distance

3020

01:49:59,030 --> 01:49:56,800

is such a thing as

3021

01:50:00,229 --> 01:49:59,040

toxic fusion in which you can be so

3022

01:50:02,470 --> 01:50:00,239

close to something you can't

3023

01:50:03,350 --> 01:50:02,480

see it make it out or accept its being

3024

01:50:04,950 --> 01:50:03,360

at all

3025

01:50:07,510 --> 01:50:04,960

why is it that you associate it in a

3026
01:50:09,430 --> 01:50:07,520
metaphor the rising up and floating with

3027
01:50:10,390 --> 01:50:09,440
the left hemisphere and then being on

3028
01:50:12,629 --> 01:50:10,400
the ground

3029
01:50:14,070 --> 01:50:12,639
with the right hemisphere because to me

3030
01:50:15,510 --> 01:50:14,080
i would think that the left one is the

3031
01:50:16,149 --> 01:50:15,520
one that's on the ground manipulating

3032
01:50:17,510 --> 01:50:16,159
and the left

3033
01:50:20,310 --> 01:50:17,520
sorry and the right hemisphere is the

3034
01:50:24,070 --> 01:50:20,320
one that can see the whole picture

3035
01:50:26,790 --> 01:50:24,080
yes well you're very

3036
01:50:27,270 --> 01:50:26,800
i think entirely rightly put your finger

3037
01:50:32,310 --> 01:50:27,280
on

3038
01:50:34,950 --> 01:50:32,320

breaks down in these circumstances and

3039

01:50:37,030 --> 01:50:34,960

you have to use a whole variety of them

3040

01:50:39,030 --> 01:50:37,040

what i was really thinking of was that

3041

01:50:40,070 --> 01:50:39,040

it it was like the difference between

3042

01:50:43,109 --> 01:50:40,080

someone who is actually

3043

01:50:43,990 --> 01:50:43,119

living a life on the ground and somebody

3044

01:50:46,390 --> 01:50:44,000

who is

3045

01:50:47,270 --> 01:50:46,400

doing a sort of aerial photograph of it

3046

01:50:50,229 --> 01:50:47,280

in order to map

3047

01:50:52,229 --> 01:50:50,239

it that as where all that is there on

3048

01:50:54,229 --> 01:50:52,239

the ground is present to the person

3049

01:50:55,510 --> 01:50:54,239

who's experiencing it headlong in the

3050

01:50:59,589 --> 01:50:55,520

business of life

3051
01:51:03,270 --> 01:50:59,599
who actually sees the garden sees their

3052
01:51:06,070 --> 01:51:03,280
children you know hears the wind and

3053
01:51:08,390 --> 01:51:06,080
sees the stars and the mind that is

3054
01:51:11,430 --> 01:51:08,400
already dissecting analyzing and

3055
01:51:13,270 --> 01:51:11,440
remote so you're quite right that the

3056
01:51:15,030 --> 01:51:13,280
left hemisphere this is another way of

3057
01:51:15,669 --> 01:51:15,040
putting the finger on what i was trying

3058
01:51:17,270 --> 01:51:15,679
to say

3059
01:51:19,510 --> 01:51:17,280
is there's a kind of distancing which

3060
01:51:21,109 --> 01:51:19,520
can be removed but there's a kind of

3061
01:51:21,990 --> 01:51:21,119
distancing which enables you to see the

3062
01:51:24,950 --> 01:51:22,000
whole picture

3063
01:51:26,229 --> 01:51:24,960

just as the kind of being fixed on the

3064

01:51:29,510 --> 01:51:26,239

here and now

3065

01:51:30,870 --> 01:51:29,520

which is generous and wise and allows

3066

01:51:33,109 --> 01:51:30,880

you to understand it

3067

01:51:34,149 --> 01:51:33,119

and are being fixed on the here and now

3068

01:51:37,430 --> 01:51:34,159

which is just about

3069

01:51:38,709 --> 01:51:37,440

acquisition and accumulation of power

3070

01:51:41,990 --> 01:51:38,719

and influence

3071

01:51:43,510 --> 01:51:42,000

so they each contribute to both as you

3072

01:51:45,750 --> 01:51:43,520

would expect

3073

01:51:47,430 --> 01:51:45,760

each has a version of closeness each has

3074

01:51:50,629 --> 01:51:47,440

a version of distance

3075

01:51:52,310 --> 01:51:50,639

as i keep saying every concept you care

3076

01:51:54,229 --> 01:51:52,320

to name

3077

01:51:56,070 --> 01:51:54,239

has a left hemisphere take and a right

3078

01:51:58,550 --> 01:51:56,080

hemisphere take so it's not

3079

01:52:00,629 --> 01:51:58,560

as i say that they do different things

3080

01:52:02,470 --> 01:52:00,639

they do the same things but they do them

3081

01:52:05,510 --> 01:52:02,480

always from a coherently

3082

01:52:07,030 --> 01:52:05,520

different perspective i see coherently

3083

01:52:08,070 --> 01:52:07,040

different

3084

01:52:10,550 --> 01:52:08,080

because i can imagine that they don't

3085

01:52:13,669 --> 01:52:10,560

completely differ

3086

01:52:16,390 --> 01:52:13,679

yes what i'm trying to suggest is

3087

01:52:18,709 --> 01:52:16,400

within themselves coherent i see what i

3088

01:52:21,430 --> 01:52:18,719

mean like a self-consistent

3089

01:52:22,149 --> 01:52:21,440

yes yeah self-consistency so that for

3090

01:52:24,390 --> 01:52:22,159

example

3091

01:52:25,830 --> 01:52:24,400

you might say so how does the left

3092

01:52:27,350 --> 01:52:25,840

hemisphere view language how does the

3093

01:52:29,910 --> 01:52:27,360

right hemisphere blue language

3094

01:52:31,270 --> 01:52:29,920

how does the left hemisphere view

3095

01:52:32,229 --> 01:52:31,280

distance how does the right hemisphere

3096

01:52:33,430 --> 01:52:32,239

distance okay

3097

01:52:35,430 --> 01:52:33,440

they don't sound like they've got very

3098

01:52:39,669 --> 01:52:35,440

much in common but when you come

3099

01:52:43,430 --> 01:52:42,149

looks at everything there are very

3100

01:52:44,709 --> 01:52:43,440

common threads that are consistent

3101
01:52:46,550 --> 01:52:44,719
through how the right hemisphere deals

3102
01:52:48,149 --> 01:52:46,560
with every aspect of existence

3103
01:52:49,990 --> 01:52:48,159
and very common threads that

3104
01:52:50,470 --> 01:52:50,000
characterize the way the left hemisphere

3105
01:52:53,430 --> 01:52:50,480
does

3106
01:52:54,390 --> 01:52:53,440
so they're not coherent together so much

3107
01:52:57,589 --> 01:52:54,400
as coherent

3108
01:53:00,550 --> 01:52:57,599
within themselves but the art of life

3109
01:53:02,629 --> 01:53:00,560
is bringing these two things to bear in

3110
01:53:05,510 --> 01:53:02,639
such a way that the richness that

3111
01:53:07,270 --> 01:53:05,520
they can only really come from them both

3112
01:53:09,350 --> 01:53:07,280
is not swamped by the left hemisphere

3113
01:53:11,030 --> 01:53:09,360

trying to take over the whole show

3114

01:53:12,390 --> 01:53:11,040

it doesn't happen the other way around

3115

01:53:12,950 --> 01:53:12,400

because the right hand people often say

3116

01:53:15,030 --> 01:53:12,960

well you

3117

01:53:16,709 --> 01:53:15,040

you've put your finger on you know what

3118

01:53:18,149 --> 01:53:16,719

a left hemisphere world looks like

3119

01:53:20,229 --> 01:53:18,159

because at the end of the book in the

3120

01:53:21,830 --> 01:53:20,239

last chapter i sort of describe a world

3121

01:53:24,229 --> 01:53:21,840

in which the left hemisphere

3122

01:53:25,030 --> 01:53:24,239

based on what the reader knows about it

3123

01:53:27,669 --> 01:53:25,040

would

3124

01:53:28,070 --> 01:53:27,679

make of a world and in reading it you i

3125

01:53:30,950 --> 01:53:28,080

think

3126
01:53:32,790 --> 01:53:30,960
most people see a very clear portrait of

3127
01:53:34,310 --> 01:53:32,800
what is happening to us now

3128
01:53:35,910 --> 01:53:34,320
so people say but what would a right

3129
01:53:37,589 --> 01:53:35,920
hemisphere world look like

3130
01:53:39,270 --> 01:53:37,599
the answer is well it would be a very

3131
01:53:40,390 --> 01:53:39,280
balanced one and there's never been a

3132
01:53:43,350 --> 01:53:40,400
civilization that

3133
01:53:45,109 --> 01:53:43,360
didn't have its left hemisphere aspects

3134
01:53:46,470 --> 01:53:45,119
because the right hemisphere sees more

3135
01:53:47,910 --> 01:53:46,480
it therefore knows that it needs the

3136
01:53:50,470 --> 01:53:47,920
left hemisphere

3137
01:53:52,070 --> 01:53:50,480
it after all if it's if it's the master

3138
01:53:54,229 --> 01:53:52,080

it appointed the embassy because it

3139

01:53:56,950 --> 01:53:54,239

realized it needed the emissary

3140

01:53:58,390 --> 01:53:56,960

the emissary coming into existence and

3141

01:54:01,830 --> 01:53:58,400

being crowned as this

3142

01:54:03,430 --> 01:54:01,840

you know a very wise minister

3143

01:54:05,430 --> 01:54:03,440

thinks it knows everything when it

3144

01:54:07,669 --> 01:54:05,440

doesn't and that's the problem

3145

01:54:09,430 --> 01:54:07,679

it's people who think they've got it all

3146

01:54:12,310 --> 01:54:09,440

in the bag

3147

01:54:13,510 --> 01:54:12,320

now is our consciousness i think sorry

3148

01:54:16,470 --> 01:54:13,520

sorry i was wondering is our

3149

01:54:19,589 --> 01:54:18,229

residing in the left brain or residing

3150

01:54:21,030 --> 01:54:19,599

in the right hemisphere or is it in the

3151
01:54:22,310 --> 01:54:21,040
interplay between both or is it being

3152
01:54:24,470 --> 01:54:22,320
fed from both

3153
01:54:26,149 --> 01:54:24,480
because as i hear you say the left

3154
01:54:27,589 --> 01:54:26,159
thinks it's in charge it reminds me of

3155
01:54:29,589 --> 01:54:27,599
our consciousness that thinks

3156
01:54:31,270 --> 01:54:29,599
we're the ones that are in control and

3157
01:54:32,229 --> 01:54:31,280
then it has and then we have to be

3158
01:54:33,589 --> 01:54:32,239
confronted with

3159
01:54:35,510 --> 01:54:33,599
a myriad of psychological studies to

3160
01:54:36,629 --> 01:54:35,520
show no you're a monkey on a elephant's

3161
01:54:38,310 --> 01:54:36,639
back and you think that you're

3162
01:54:40,790 --> 01:54:38,320
controlling it but this elephant's gonna

3163
01:54:42,149 --> 01:54:40,800

go wherever it wants so are we

3164

01:54:43,990 --> 01:54:42,159

when i'm speaking with you right now or

3165

01:54:44,550 --> 01:54:44,000

when one is speaking with you are we

3166

01:54:46,229 --> 01:54:44,560

either

3167

01:54:48,229 --> 01:54:46,239

engaging in one of those modes are we

3168

01:54:51,750 --> 01:54:48,239

primarily on the left are we

3169

01:54:52,790 --> 01:54:51,760

both somehow being fed from each

3170

01:54:54,390 --> 01:54:52,800

when you start talking about the

3171

01:54:55,910 --> 01:54:54,400

relationship between consciousness and

3172

01:54:59,430 --> 01:54:55,920

the brain then you know you really

3173

01:55:01,270 --> 01:54:59,440

are in very very rarefied areas and i

3174

01:55:03,030 --> 01:55:01,280

don't shy from talking about it in the

3175

01:55:05,430 --> 01:55:03,040

book a chapter which is

3176
01:55:06,390 --> 01:55:05,440
the length of a short book on its own on

3177
01:55:15,510 --> 01:55:06,400
it

3178
01:55:21,589 --> 01:55:18,870
in my experience the elephant

3179
01:55:22,709 --> 01:55:21,599
is all that we are not currently aware

3180
01:55:24,629 --> 01:55:22,719
of

3181
01:55:26,149 --> 01:55:24,639
and the monkey is just that foolish

3182
01:55:29,109 --> 01:55:26,159
little bit that is doing

3183
01:55:29,510 --> 01:55:29,119
the thinking and talking consciously now

3184
01:55:32,470 --> 01:55:29,520
so

3185
01:55:33,510 --> 01:55:32,480
earlier i said most of everything we are

3186
01:55:37,750 --> 01:55:33,520
doing

3187
01:55:38,870 --> 01:55:37,760
fact if we try to do it consciously we

3188
01:55:40,790 --> 01:55:38,880

do it very badly

3189

01:55:42,790 --> 01:55:40,800

it's one of the interesting things is

3190

01:55:43,510 --> 01:55:42,800

that the better you get as a chess

3191

01:55:46,070 --> 01:55:43,520

player

3192

01:55:46,550 --> 01:55:46,080

the less you think consciously about it

3193

01:55:49,109 --> 01:55:46,560

right

3194

01:55:49,830 --> 01:55:49,119

so the same is true of a surgeon or a

3195

01:55:51,270 --> 01:55:49,840

pilot

3196

01:55:52,790 --> 01:55:51,280

they have to think a lot to begin with

3197

01:55:53,669 --> 01:55:52,800

but as they get better they think less

3198

01:55:56,790 --> 01:55:53,679

and less

3199

01:55:58,229 --> 01:55:56,800

so the the role of that monkey is

3200

01:56:00,470 --> 01:55:58,239

rightly considered not

3201
01:56:02,629 --> 01:56:00,480
important compared with the elephant

3202
01:56:04,709 --> 01:56:02,639
which is wise and has memory

3203
01:56:05,750 --> 01:56:04,719
so that's the way i'd look at that i

3204
01:56:07,510 --> 01:56:05,760
don't see those

3205
01:56:10,070 --> 01:56:07,520
images as therefore telling us that

3206
01:56:12,870 --> 01:56:10,080
we're just the puppets or play things

3207
01:56:14,629 --> 01:56:12,880
of something else i mean that's a very

3208
01:56:15,669 --> 01:56:14,639
very skewed left hemisphere way of

3209
01:56:17,510 --> 01:56:15,679
thinking about it

3210
01:56:20,070 --> 01:56:17,520
of course it's only interested in power

3211
01:56:22,149 --> 01:56:20,080
and control but actually what it is it's

3212
01:56:25,589 --> 01:56:22,159
saying no

3213
01:56:28,709 --> 01:56:25,599

what you are is rooted very deeply in

3214

01:56:30,149 --> 01:56:28,719

the whole of your experience including

3215

01:56:31,830 --> 01:56:30,159

the bits that you're now conscious of

3216

01:56:32,470 --> 01:56:31,840

but including many that you work on

3217

01:56:34,950 --> 01:56:32,480

yourself for

3218

01:56:37,350 --> 01:56:34,960

another mint and now and things that you

3219

01:56:41,030 --> 01:56:37,360

perhaps never conscious of so anyway

3220

01:56:42,629 --> 01:56:41,040

um and complicatedly consciousness has

3221

01:56:45,030 --> 01:56:42,639

two meanings one is

3222

01:56:45,990 --> 01:56:45,040

as against the things you're not aware

3223

01:56:49,189 --> 01:56:46,000

of like

3224

01:56:50,790 --> 01:56:49,199

oh um at that moment i i wasn't

3225

01:56:53,189 --> 01:56:50,800

conscious of the fact that it's

3226

01:56:54,390 --> 01:56:53,199

you know my friend's birthday or

3227

01:56:56,870 --> 01:56:54,400

something like that

3228

01:56:58,870 --> 01:56:56,880

but it also is used in the sense of what

3229

01:57:02,310 --> 01:56:58,880

you lose when you go into a coma or die

3230

01:57:05,910 --> 01:57:03,990

what i'm really saying is there is a

3231

01:57:09,189 --> 01:57:05,920

kind of consciousness that we

3232

01:57:11,910 --> 01:57:09,199

find all too obvious and over value

3233

01:57:13,189 --> 01:57:11,920

which is the one that does the chatting

3234

01:57:16,390 --> 01:57:13,199

and talking and thinking

3235

01:57:18,149 --> 01:57:16,400

right now but what i mean by our

3236

01:57:19,830 --> 01:57:18,159

conscious awareness of the world is a

3237

01:57:21,830 --> 01:57:19,840

deep thing that is going on in both

3238

01:57:24,629 --> 01:57:21,840

hemispheres all the time

3239

01:57:25,990 --> 01:57:24,639

when we narrow down to the conscious

3240

01:57:28,550 --> 01:57:26,000

mind we're talking about that

3241

01:57:30,629 --> 01:57:28,560

focus of the left hemisphere an image i

3242

01:57:32,550 --> 01:57:30,639

sometimes use again if it's helpful

3243

01:57:34,550 --> 01:57:32,560

is that we sometimes think of the

3244

01:57:36,310 --> 01:57:34,560

unconscious as underneath the conscious

3245

01:57:38,390 --> 01:57:36,320

as like a sort of

3246

01:57:39,830 --> 01:57:38,400

a deep tank that you would come to if

3247

01:57:41,189 --> 01:57:39,840

you went through the floor of your

3248

01:57:45,270 --> 01:57:41,199

conscious

3249

01:57:49,109 --> 01:57:45,280

would think of it as

3250

01:57:50,950 --> 01:57:49,119

a stage that is basically in darkness

3251

01:57:52,950 --> 01:57:50,960

except where the floodlight the

3252

01:57:55,510 --> 01:57:52,960

spotlight happens to go

3253

01:57:57,510 --> 01:57:55,520

and when that moves to a certain place

3254

01:57:59,350 --> 01:57:57,520

something suddenly shows up

3255

01:58:01,030 --> 01:57:59,360

but when it moves away that something

3256

01:58:02,229 --> 01:58:01,040

doesn't go away it's just that at the

3257

01:58:03,510 --> 01:58:02,239

moment you're not looking at it you're

3258

01:58:08,229 --> 01:58:03,520

looking at something else

3259

01:58:11,589 --> 01:58:08,239

so we are a field of consciousness

3260

01:58:12,870 --> 01:58:11,599

in fact liechtenberg says and shelling

3261

01:58:16,550 --> 01:58:12,880

says

3262

01:58:17,589 --> 01:58:16,560

it thinks in me so as it were there is a

3263

01:58:19,910 --> 01:58:17,599

field of me

3264

01:58:21,189 --> 01:58:19,920

which is the minus of me and all that

3265

01:58:23,189 --> 01:58:21,199

goes into that

3266

01:58:24,629 --> 01:58:23,199

and it's not something alien from me it

3267

01:58:26,629 --> 01:58:24,639

is who i am

3268

01:58:27,990 --> 01:58:26,639

and it's out of that that my thinking

3269

01:58:30,550 --> 01:58:28,000

comes the

3270

01:58:31,910 --> 01:58:30,560

cartesian idea that there must be a

3271

01:58:35,589 --> 01:58:31,920

little chatty ego

3272

01:58:39,430 --> 01:58:35,599

for there to be an eye helps us

3273

01:58:41,990 --> 01:58:39,440

forget or miss the two depths of our

3274

01:58:43,830 --> 01:58:42,000

being so anyway

3275

01:58:45,910 --> 01:58:43,840

when you when you do split brain

3276

01:58:48,149 --> 01:58:45,920

experiments um

3277

01:58:49,910 --> 01:58:48,159

you can interrogate each hemisphere as a

3278

01:58:51,109 --> 01:58:49,920

time and each one is conscious

3279

01:58:53,270 --> 01:58:51,119

it's just that the right hemisphere

3280

01:58:55,669 --> 01:58:53,280

can't in that moment though

3281

01:58:56,310 --> 01:58:55,679

those things sorry sorry sorry to

3282

01:58:57,750 --> 01:58:56,320

interrupt

3283

01:58:59,669 --> 01:58:57,760

because i'm super curious about this

3284

01:59:02,709 --> 01:58:59,679

okay so you have a good one

3285

01:59:04,390 --> 01:59:02,719

sodomy and then you ask the question

3286

01:59:05,589 --> 01:59:04,400

and then you confabulate an answer

3287

01:59:07,430 --> 01:59:05,599

because you don't know what or at least

3288

01:59:08,950 --> 01:59:07,440

the part of the agreement okay

3289

01:59:10,550 --> 01:59:08,960

but that's the part of you that is

3290

01:59:12,390 --> 01:59:10,560

conscious and it seems like the

3291

01:59:13,990 --> 01:59:12,400

consciousness is still in the left and

3292

01:59:17,109 --> 01:59:14,000

the right is in control but it's

3293

01:59:18,629 --> 01:59:17,119

unconsciously in control doing a process

3294

01:59:21,270 --> 01:59:18,639

so is that another way of thinking about

3295

01:59:24,550 --> 01:59:21,280

it or can you attribute consciousness to

3296

01:59:25,510 --> 01:59:24,560

the right hemisphere well i think

3297

01:59:27,750 --> 01:59:25,520

consciousness is

3298

01:59:28,870 --> 01:59:27,760

um it's not a thing it is of course a

3299

01:59:31,109 --> 01:59:28,880

process

3300

01:59:33,030 --> 01:59:31,119

and indeed the brain itself is not a

3301

01:59:36,070 --> 01:59:33,040

thing but a process

3302

01:59:36,629 --> 01:59:36,080

i mean every cell of your body is a

3303

01:59:40,550 --> 01:59:36,639

process

3304

01:59:42,950 --> 01:59:40,560

thing it looks like a thing because in

3305

01:59:45,030 --> 01:59:42,960

photograph it will do a diagram of it

3306

01:59:47,270 --> 01:59:45,040

but actually that thing that looks like

3307

01:59:47,990 --> 01:59:47,280

a cell membrane is actually very fluid

3308

01:59:49,589 --> 01:59:48,000

and it's

3309

01:59:51,430 --> 01:59:49,599

changing its position and its

3310

01:59:54,790 --> 01:59:51,440

composition all the time

3311

01:59:57,189 --> 01:59:54,800

so even a single cell is actually

3312

01:59:59,189 --> 01:59:57,199

a sea of things that are changing and

3313

02:00:01,030 --> 01:59:59,199

moving and interconnect

3314

02:00:02,790 --> 02:00:01,040

now the brain is like that on a

3315

02:00:04,310 --> 02:00:02,800

infinitely larger scale

3316

02:00:05,589 --> 02:00:04,320

i have a feeling that your new book this

3317

02:00:06,870 --> 02:00:05,599

is pretty much what it's talking about

3318

02:00:10,790 --> 02:00:06,880

is that there are no things

3319

02:00:14,950 --> 02:00:12,950

even yes it's not that i think there's

3320

02:00:16,070 --> 02:00:14,960

anything wrong with conceiving of things

3321

02:00:18,149 --> 02:00:16,080

as things i mean

3322

02:00:20,470 --> 02:00:18,159

for example this laptop on my lap is

3323

02:00:22,310 --> 02:00:20,480

perfectly properly described as a thing

3324

02:00:24,070 --> 02:00:22,320

in a certain way it's just a way in

3325

02:00:25,589 --> 02:00:24,080

which we encounter the world for certain

3326

02:00:26,870 --> 02:00:25,599

purposes a very good one

3327

02:00:28,470 --> 02:00:26,880

it's just that on the whole it's a

3328

02:00:30,629 --> 02:00:28,480

mistake to think that the world is

3329

02:00:33,830 --> 02:00:30,639

structured out of things anyway

3330

02:00:36,310 --> 02:00:33,840

um when it comes to

3331

02:00:37,669 --> 02:00:36,320

the consciousness and the brain i mean i

3332

02:00:41,189 --> 02:00:37,679

think of consciousness

3333

02:00:45,030 --> 02:00:41,199

as being sequestered for a while

3334

02:00:46,550 --> 02:00:45,040

in a kind of area um

3335

02:00:49,030 --> 02:00:46,560

and i sometimes think of this as like

3336

02:00:52,149 --> 02:00:49,040

the out pouching of a membrane i mean if

3337

02:00:55,270 --> 02:00:52,159

people remember looking down slides or

3338

02:00:58,709 --> 02:00:55,280

done microscopes or seeing slides of

3339

02:01:00,310 --> 02:00:58,719

um organic membranes of living tissue

3340

02:01:02,629 --> 02:01:00,320

they will often see that they have sort

3341

02:01:04,629 --> 02:01:02,639

of out pouchings called villi

3342

02:01:07,030 --> 02:01:04,639

or or that an amoeba has something

3343

02:01:08,629 --> 02:01:07,040

called a pseudopod that it can extend

3344

02:01:10,229 --> 02:01:08,639

and if you're in the middle of one of

3345

02:01:12,550 --> 02:01:10,239

those those

3346

02:01:14,310 --> 02:01:12,560

long things you can think you're

3347

02:01:15,910 --> 02:01:14,320

completely surrounded on all sides but

3348

02:01:17,189 --> 02:01:15,920

at the foot of it you're connected to

3349

02:01:19,270 --> 02:01:17,199

the mane

3350

02:01:21,990 --> 02:01:19,280

and i think that our consciousness is

3351

02:01:23,830 --> 02:01:22,000

quite rightly seems to us

3352

02:01:25,270 --> 02:01:23,840

um and it would be no good it had been

3353

02:01:26,870 --> 02:01:25,280

flooded with everything else going on in

3354

02:01:28,390 --> 02:01:26,880

the universal nothing original would

3355

02:01:29,350 --> 02:01:28,400

ever happen nothing would be creative

3356

02:01:31,430 --> 02:01:29,360

and i keep saying

3357

02:01:32,709 --> 02:01:31,440

the only way i can explain the cosmos is

3358

02:01:35,669 --> 02:01:32,719

through a deep

3359

02:01:36,790 --> 02:01:35,679

creative urge that's the most i can say

3360

02:01:39,189 --> 02:01:36,800

of it

3361

02:01:39,830 --> 02:01:39,199

and one that probably is connected to to

3362

02:01:43,910 --> 02:01:39,840

love

3363

02:01:46,470 --> 02:01:43,920

which is relationship anyway um

3364

02:01:48,790 --> 02:01:46,480

what i'm saying is that our

3365

02:01:49,990 --> 02:01:48,800

consciousness my consciousness whatever

3366

02:01:53,109 --> 02:01:50,000

it is my brain

3367

02:01:54,149 --> 02:01:53,119

is experiencing as consciousness is for

3368

02:01:56,229 --> 02:01:54,159

the moment

3369

02:01:57,910 --> 02:01:56,239

absolutely connected with my brain you

3370

02:01:59,270 --> 02:01:57,920

know if i get an injury in the brain to

3371

02:02:01,669 --> 02:01:59,280

affect the consciousness

3372

02:02:03,189 --> 02:02:01,679

and in in to go back to james's thing

3373

02:02:04,470 --> 02:02:03,199

about the vocal cords if he has an

3374

02:02:08,310 --> 02:02:04,480

injury to the vocal cords

3375

02:02:10,390 --> 02:02:08,320

his voice will disappear and so on so

3376

02:02:12,790 --> 02:02:10,400

but he he he and his thoughts and his

3377

02:02:15,510 --> 02:02:12,800

everything that were expressed through

3378

02:02:17,350 --> 02:02:15,520

that will carry on i i know it's not an

3379

02:02:20,310 --> 02:02:17,360

exact analogy another image i

3380

02:02:23,510 --> 02:02:20,320

i use sometimes is is of the the

3381

02:02:25,830 --> 02:02:23,520

consciousness in the brain

3382

02:02:27,510 --> 02:02:25,840

being able to divide and go around an

3383

02:02:29,669 --> 02:02:27,520

island so that

3384

02:02:31,270 --> 02:02:29,679

at a certain point in the flow of a

3385

02:02:33,109 --> 02:02:31,280

stream there may be two

3386

02:02:35,270 --> 02:02:33,119

seemingly quite distinct streams that

3387

02:02:37,270 --> 02:02:35,280

don't know much about one another

3388

02:02:39,109 --> 02:02:37,280

at that moment if you took a but it

3389

02:02:40,629 --> 02:02:39,119

moved 100 yards down the river you'd see

3390

02:02:42,070 --> 02:02:40,639

that they came together as they'd been

3391

02:02:43,750 --> 02:02:42,080

together before

3392

02:02:45,109 --> 02:02:43,760

and they weren't there for entirely

3393

02:02:45,990 --> 02:02:45,119

separate streams although it would be

3394

02:02:47,589 --> 02:02:46,000

perfectly reasonable

3395

02:02:49,430 --> 02:02:47,599

to talk of them as separate streams at

3396

02:02:52,310 --> 02:02:49,440

the time

3397

02:02:53,990 --> 02:02:52,320

but ultimately they are connected and of

3398

02:02:54,709 --> 02:02:54,000

course the image of the stream which is

3399

02:03:02,709 --> 02:02:54,719

the

3400

02:03:04,870 --> 02:03:02,719

all time favorite philosopher heraclitus

3401

02:03:06,470 --> 02:03:04,880

said was at the heart of you know all

3402

02:03:08,709 --> 02:03:06,480

everything flows

3403

02:03:10,149 --> 02:03:08,719

um it is a brilliant perception because

3404

02:03:12,550 --> 02:03:10,159

the stream both

3405

02:03:13,189 --> 02:03:12,560

remains as a stream that passes my house

3406

02:03:14,870 --> 02:03:13,199

and it

3407

02:03:16,870 --> 02:03:14,880

will be there tomorrow morning with luck

3408

02:03:18,790 --> 02:03:16,880

as it is now but

3409

02:03:20,550 --> 02:03:18,800

it's also true that it's changing all

3410

02:03:21,510 --> 02:03:20,560

the time and even changing its

3411

02:03:24,229 --> 02:03:21,520

boundaries

3412

02:03:25,510 --> 02:03:24,239

a little and what goes on in it and so

3413

02:03:27,189 --> 02:03:25,520

forth

3414

02:03:28,709 --> 02:03:27,199

i recall you talking about heraclitus

3415

02:03:31,109 --> 02:03:28,719

and saying that it is

3416

02:03:31,990 --> 02:03:31,119

both that the stream is the same and

3417

02:03:33,350 --> 02:03:32,000

that it's you know

3418

02:03:35,030 --> 02:03:33,360

that you don't step in the same river

3419

02:03:37,510 --> 02:03:35,040

twice it's more like exactly

3420

02:03:38,229 --> 02:03:37,520

you're it's more like those are two

3421

02:03:41,270 --> 02:03:38,239

different modes of

3422

02:03:43,350 --> 02:03:41,280

being with the river or the stream okay

3423

02:03:45,270 --> 02:03:43,360

now see that's different then the

3424

02:03:46,629 --> 02:03:45,280

standard analytical answer would be

3425

02:03:48,550 --> 02:03:46,639

the wittgenstein which is while you're

3426

02:03:50,229 --> 02:03:48,560

playing different language games

3427

02:03:51,589 --> 02:03:50,239

and so it depends on what you mean by so

3428

02:03:53,109 --> 02:03:51,599

and so but you're saying you've changed

3429

02:03:54,790 --> 02:03:53,119

it from the analytical to saying no no

3430

02:03:58,229 --> 02:03:54,800

it depends on how you be

3431

02:04:01,189 --> 02:03:58,239

okay yes mind outlining that briefly or

3432

02:04:05,910 --> 02:04:01,199

as lengthy as you like for the audience

3433

02:04:10,629 --> 02:04:07,510

in a way it's another way of saying

3434

02:04:12,870 --> 02:04:10,639

something i said before which is that

3435

02:04:16,629 --> 02:04:12,880

it's not

3436

02:04:20,310 --> 02:04:16,639

either or or both end

3437

02:04:22,870 --> 02:04:20,320

it's both either or and both and

3438

02:04:25,109 --> 02:04:22,880

so it is both true that the stream is

3439

02:04:29,350 --> 02:04:25,119

the same stream

3440

02:04:31,669 --> 02:04:29,360

and that it is a different stream

3441

02:04:34,149 --> 02:04:31,679

uh each of these has a sort of truth and

3442

02:04:35,510 --> 02:04:34,159

in a either orchestral mind you can go

3443

02:04:37,030 --> 02:04:35,520

well come on which is it

3444

02:04:39,109 --> 02:04:37,040

but in another way you can say it's

3445

02:04:42,470 --> 02:04:39,119

perfectly coherent that it is

3446

02:04:44,470 --> 02:04:42,480

both not actually because

3447

02:04:47,109 --> 02:04:44,480

in some part as i've just suggested with

3448

02:04:50,390 --> 02:04:47,119

an image of an island

3449

02:04:53,589 --> 02:04:50,400

but all the time it is

3450

02:04:56,950 --> 02:04:53,599

one and the other and

3451

02:05:00,069 --> 02:04:56,960

there are many things uh in in life

3452

02:05:02,310 --> 02:05:00,079

uh and in the wider

3453

02:05:03,830 --> 02:05:02,320

structure of things it seems to me that

3454

02:05:06,709 --> 02:05:03,840

have this dual

3455

02:05:08,629 --> 02:05:06,719

not dual quality exactly but this

3456

02:05:10,550 --> 02:05:08,639

unwillingness to

3457

02:05:11,830 --> 02:05:10,560

to finally split it into it's got to be

3458

02:05:13,910 --> 02:05:11,840

this way or that

3459

02:05:15,669 --> 02:05:13,920

in fact the further you go towards deep

3460

02:05:18,950 --> 02:05:15,679

things the more you find that

3461

02:05:20,629 --> 02:05:18,960

opposites um come together and i know

3462

02:05:23,109 --> 02:05:20,639

i'm hardly the first person to have said

3463

02:05:25,350 --> 02:05:23,119

that but it still needs to be said

3464

02:05:26,790 --> 02:05:25,360

isn't that still very much needs to be

3465

02:05:28,550 --> 02:05:26,800

said sorry

3466

02:05:30,470 --> 02:05:28,560

is that why you said at one point that

3467

02:05:31,910 --> 02:05:30,480

the logical mind while it reinforces

3468

02:05:33,669 --> 02:05:31,920

itself reinforcing

3469

02:05:36,790 --> 02:05:33,679

at its extreme you would get to the

3470

02:05:42,790 --> 02:05:39,430

well i think it to the extreme it ought

3471

02:05:44,709 --> 02:05:42,800

to be able to encounter its own bounds

3472

02:05:46,709 --> 02:05:44,719

so for example in a way girdle

3473

02:05:47,990 --> 02:05:46,719

demonstrated that a certain kind of

3474

02:05:50,790 --> 02:05:48,000

entirely logical

3475

02:05:52,229 --> 02:05:50,800

thinking eventually demonstrates its own

3476

02:05:55,589 --> 02:05:52,239

limitations

3477

02:05:56,229 --> 02:05:55,599

and pascal said that reason is feeble

3478

02:05:58,709 --> 02:05:56,239

indeed

3479

02:06:00,870 --> 02:05:58,719

if it cannot see its own limitations and

3480

02:06:02,790 --> 02:06:00,880

don't forget that pascal was a great

3481

02:06:07,030 --> 02:06:02,800

mathematician and logician

3482

02:06:10,229 --> 02:06:07,040

so um i mean as well as being

3483

02:06:12,870 --> 02:06:10,239

a great spiritual thinker so if you take

3484

02:06:16,149 --> 02:06:12,880

the left hemisphere thing far enough

3485

02:06:16,950 --> 02:06:16,159

it will encounter its own self coming

3486

02:06:18,950 --> 02:06:16,960

the other way

3487

02:06:20,629 --> 02:06:18,960

and we sometimes see this happening in

3488

02:06:21,750 --> 02:06:20,639

the world that if you take a certain

3489

02:06:24,870 --> 02:06:21,760

point of view

3490

02:06:27,589 --> 02:06:24,880

far enough um if you take um

3491

02:06:28,310 --> 02:06:27,599

an intolerant attitude that's dogmatic

3492

02:06:34,550 --> 02:06:28,320

and

3493

02:06:35,750 --> 02:06:34,560

a similar one on the left you can hardly

3494

02:06:37,669 --> 02:06:35,760

tell the difference it's in the

3495

02:06:38,709 --> 02:06:37,679

mentality it's in an approach to the

3496

02:06:41,350 --> 02:06:38,719

world

3497

02:06:42,870 --> 02:06:41,360

um and you know by going further and

3498

02:06:45,910 --> 02:06:42,880

further away to the

3499

02:06:47,990 --> 02:06:45,920

right or the left you don't avoid

3500

02:06:50,629 --> 02:06:48,000

the fate that you're trying to avoid the

3501

02:06:52,870 --> 02:06:50,639

nemesis will come to you if you insist

3502

02:06:54,069 --> 02:06:52,880

on having a black and white either or

3503

02:06:57,910 --> 02:06:54,079

way of thinking

3504

02:06:59,830 --> 02:06:57,920

so we must for our own sakes get back to

3505

02:07:02,790 --> 02:06:59,840

seeing that it's a both and

3506

02:07:04,950 --> 02:07:02,800

world in which you may have truth on

3507

02:07:06,790 --> 02:07:04,960

your side and i may have truth on my

3508

02:07:07,830 --> 02:07:06,800

side and we ought to respect one another

3509

02:07:11,270 --> 02:07:07,840

and talk about it

3510

02:07:15,270 --> 02:07:11,280

in a grown-up way not um

3511

02:07:15,589 --> 02:07:15,280

vilifying hating and silencing people

3512

02:07:17,430 --> 02:07:15,599

but

3513

02:07:18,950 --> 02:07:17,440

listening to people who say things

3514

02:07:21,430 --> 02:07:18,960

different from ourselves

3515

02:07:23,270 --> 02:07:21,440

that's so fundamental it's how our

3516

02:07:25,990 --> 02:07:23,280

civilization got to

3517

02:07:27,270 --> 02:07:26,000

have a culture and now we're throwing it

3518

02:07:29,910 --> 02:07:27,280

away

3519

02:07:30,629 --> 02:07:29,920

anyway sorry it does distress me very

3520

02:07:33,750 --> 02:07:30,639

much

3521

02:07:35,109 --> 02:07:33,760

this this sudden rise in in the not

3522

02:07:36,390 --> 02:07:35,119

being shades of meaning

3523

02:07:38,149 --> 02:07:36,400

i think it's to do with the way we're

3524

02:07:40,229 --> 02:07:38,159

educated i don't think we're taught any

3525

02:07:41,990 --> 02:07:40,239

longer to think

3526

02:07:43,350 --> 02:07:42,000

there's a phrase in greek in classical

3527

02:07:46,870 --> 02:07:43,360

greek

3528

02:07:49,990 --> 02:07:46,880

men and then many

3529

02:07:53,189 --> 02:07:50,000

of the great philosophers of greek

3530

02:07:56,310 --> 02:07:53,199

they would say men on the one hand this

3531

02:07:57,830 --> 02:07:56,320

there on the other hand that and in a

3532

02:07:59,669 --> 02:07:57,840

way that was part of the way i was

3533

02:08:01,830 --> 02:07:59,679

taught to think that you should see

3534

02:08:04,550 --> 02:08:01,840

yes as good in that but there's there's

3535

02:08:08,229 --> 02:08:04,560

also something else to be said that's

3536

02:08:11,350 --> 02:08:08,239

you know you need to be aware of and

3537

02:08:12,069 --> 02:08:11,360

i i i've in the last year or two come

3538

02:08:14,229 --> 02:08:12,079

across

3539

02:08:15,910 --> 02:08:14,239

a couple of zen sayings that i like very

3540

02:08:17,830 --> 02:08:15,920

much and i think i might write a book

3541

02:08:21,990 --> 02:08:17,840

with one or other title and one is

3542

02:08:23,910 --> 02:08:22,000

yes but and the other is not always so

3543

02:08:25,750 --> 02:08:23,920

and that really brings on back into the

3544

02:08:27,030 --> 02:08:25,760

world of the right hemisphere because

3545

02:08:29,910 --> 02:08:27,040

the right hemisphere

3546

02:08:30,390 --> 02:08:29,920

thinks yes but it's the one that always

3547

02:08:34,310 --> 02:08:30,400

says

3548

02:08:37,030 --> 02:08:34,320

uh yes but hang on it inhibits headlong

3549

02:08:39,030 --> 02:08:37,040

action it's actually more intelligent

3550

02:08:40,709 --> 02:08:39,040

and it literally is a more

3551
02:08:41,830 --> 02:08:40,719
intelligent hemisphere in the sense that

3552
02:08:43,109 --> 02:08:41,840
if you have damage to the left

3553
02:08:44,149 --> 02:08:43,119
hemisphere damage to the right

3554
02:08:48,470 --> 02:08:44,159
hemisphere

3555
02:08:50,310 --> 02:08:48,480
will drop your iq more than damage

3556
02:08:51,750 --> 02:08:50,320
oh that's extremely interesting i know

3557
02:08:54,069 --> 02:08:51,760
that you can function in the world more

3558
02:08:56,229 --> 02:08:54,079
adaptively if you have a left lesion

3559
02:08:58,229 --> 02:08:56,239
not the right lesion you can certainly

3560
02:08:59,910 --> 02:08:58,239
function more because your emotional

3561
02:09:01,589 --> 02:08:59,920
intelligence is not impaired and your

3562
02:09:02,149 --> 02:09:01,599
understanding of human beings is not in

3563
02:09:05,109 --> 02:09:02,159

bed

3564

02:09:06,149 --> 02:09:05,119

but your good old-fashioned cognitive

3565

02:09:09,189 --> 02:09:06,159

intelligence i

3566

02:09:10,550 --> 02:09:09,199

whatever it is iq measures is also more

3567

02:09:13,990 --> 02:09:10,560

highly dependent on

3568

02:09:17,589 --> 02:09:14,000

the right hemisphere than the left um

3569

02:09:21,270 --> 02:09:17,599

anyway there's a study by barbie at al

3570

02:09:23,910 --> 02:09:21,280

in 2013 where they looked at um

3571

02:09:25,990 --> 02:09:23,920

150 people who'd had strokes and had a

3572

02:09:28,390 --> 02:09:26,000

pre-morbid iq measurement

3573

02:09:29,510 --> 02:09:28,400

and looked at their post-morbid iq

3574

02:09:32,069 --> 02:09:29,520

measurement

3575

02:09:33,430 --> 02:09:32,079

and the and then they put the maps over

3576

02:09:35,589 --> 02:09:33,440

the top of one another

3577

02:09:37,589 --> 02:09:35,599

and where were the really key areas for

3578

02:09:39,430 --> 02:09:37,599

dropping your intelligence hardly any

3579

02:09:40,790 --> 02:09:39,440

was in the left hemisphere interesting

3580

02:09:42,470 --> 02:09:40,800

almost all of them are in the right

3581

02:09:45,990 --> 02:09:42,480

hemisphere which is not of course

3582

02:09:47,350 --> 02:09:46,000

again part of that bad old caricature

3583

02:09:48,629 --> 02:09:47,360

difference between the left and right

3584

02:09:50,470 --> 02:09:48,639

hemispheres well you know the right

3585

02:09:52,790 --> 02:09:50,480

hemisphere is all very well dear but

3586

02:09:55,990 --> 02:09:52,800

it's a bit you know kind of

3587

02:09:58,629 --> 02:09:56,000

not very reliable and silent but

3588

02:10:00,229 --> 02:09:58,639

yes but actually it's both more reliable

3589

02:10:02,310 --> 02:10:00,239

in the sense of more

3590

02:10:03,910 --> 02:10:02,320

likely to make the good decision and

3591

02:10:05,430 --> 02:10:03,920

more intelligent but anyway there we go

3592

02:10:07,510 --> 02:10:05,440

but let's say about inhibition because

3593

02:10:09,109 --> 02:10:07,520

you you you said to me earlier on and

3594

02:10:13,030 --> 02:10:09,119

then i actually i really must

3595

02:10:15,189 --> 02:10:13,040

stop i'm enjoying it so no no bless you

3596

02:10:16,310 --> 02:10:15,199

no i could i could talk to you all day i

3597

02:10:19,669 --> 02:10:16,320

wish we had time

3598

02:10:22,550 --> 02:10:19,679

um but i said early on

3599

02:10:24,470 --> 02:10:22,560

something about inhibition well here's a

3600

02:10:27,270 --> 02:10:24,480

fascinating thing

3601
02:10:28,390 --> 02:10:27,280
first of all the corpus callosum which

3602
02:10:29,750 --> 02:10:28,400
started up that's the

3603
02:10:31,510 --> 02:10:29,760
band of fibers that connects the two

3604
02:10:33,910 --> 02:10:31,520
hemispheres at the base of the brain

3605
02:10:35,510 --> 02:10:33,920
started out largely facilitatory in

3606
02:10:37,589 --> 02:10:35,520
other words it was largely

3607
02:10:39,830 --> 02:10:37,599
um conveying information from one to the

3608
02:10:41,830 --> 02:10:39,840
other hemispheres but it has now

3609
02:10:43,350 --> 02:10:41,840
come to the point where much of its

3610
02:10:46,470 --> 02:10:43,360
actual outcome

3611
02:10:47,510 --> 02:10:46,480
is inhibitory so much of what it is

3612
02:10:49,350 --> 02:10:47,520
doing is saying

3613
02:10:52,069 --> 02:10:49,360

you keep out of this you'll confuse the

3614

02:10:55,750 --> 02:10:52,079

picture i need to deal with this

3615

02:10:58,629 --> 02:10:55,760

and when the

3616

02:11:00,229 --> 02:10:58,639

mammalian brain evolved from you know

3617

02:11:02,709 --> 02:11:00,239

the mouse or whatever the shrew

3618

02:11:04,550 --> 02:11:02,719

up to ourselves if we can think of it as

3619

02:11:07,510 --> 02:11:04,560

a road upwards

3620

02:11:08,550 --> 02:11:07,520

um it involves more and more inhibitory

3621

02:11:13,189 --> 02:11:08,560

neurons

3622

02:11:15,510 --> 02:11:13,199

than other

3623

02:11:17,350 --> 02:11:15,520

non-primates and humans have more

3624

02:11:19,350 --> 02:11:17,360

inhibitory neurons than any other

3625

02:11:22,830 --> 02:11:19,360

primate

3626

02:11:26,470 --> 02:11:22,840

and the really important

3627

02:11:30,069 --> 02:11:26,480

neurons for uh

3628

02:11:33,030 --> 02:11:30,079

the effectiveness of carving experience

3629

02:11:33,589 --> 02:11:33,040

coming back to the idea that that as

3630

02:11:36,790 --> 02:11:33,599

we're like

3631

02:11:38,790 --> 02:11:36,800

carving as a statue in this in the stone

3632

02:11:41,510 --> 02:11:38,800

something only comes into being by the

3633

02:11:44,470 --> 02:11:41,520

the turning away of something else so

3634

02:11:45,830 --> 02:11:44,480

the inhibition of the this is discarding

3635

02:11:48,709 --> 02:11:45,840

something that might have been

3636

02:11:49,510 --> 02:11:48,719

brings the thing into me i'm getting

3637

02:11:51,510 --> 02:11:49,520

stopped

3638

02:11:52,550 --> 02:11:51,520

yeah sorry because you could you could

3639

02:11:54,709 --> 02:11:52,560

actually keep

3640

02:11:56,629 --> 02:11:54,719

i mean i could keep talking to very ages

3641

02:11:57,750 --> 02:11:56,639

it's lovely quick comment on that i was

3642

02:11:59,430 --> 02:11:57,760

always wondering if there's a more

3643

02:12:01,270 --> 02:11:59,440

precise marker of intelligence or

3644

02:12:02,550 --> 02:12:01,280

sophistication than the encephalization

3645

02:12:04,470 --> 02:12:02,560

quotient or the brain

3646

02:12:06,470 --> 02:12:04,480

to body mass ratio and i was wondering

3647

02:12:09,589 --> 02:12:06,480

if you can use the inhibitory neurons in

3648

02:12:13,109 --> 02:12:12,229

i i think any of the any of the known

3649

02:12:16,310 --> 02:12:13,119

markers

3650

02:12:18,470 --> 02:12:16,320

uh has a little to be said for it and

3651

02:12:19,990 --> 02:12:18,480

quite a lot to be said again right and

3652

02:12:21,270 --> 02:12:20,000

one of the things again you know think

3653

02:12:23,669 --> 02:12:21,280

about the crow

3654

02:12:26,310 --> 02:12:23,679

able to solve all kinds of problems a

3655

02:12:27,510 --> 02:12:26,320

brain the size of a pee

3656

02:12:29,669 --> 02:12:27,520

though birds do have a higher

3657

02:12:31,990 --> 02:12:29,679

encephalization quotient than us

3658

02:12:33,510 --> 02:12:32,000

well there's a higher encephalization

3659

02:12:36,709 --> 02:12:33,520

quotient that is correct

3660

02:12:38,950 --> 02:12:36,719

but nonetheless the actual

3661

02:12:40,470 --> 02:12:38,960

number of possible connections is very

3662

02:12:42,629 --> 02:12:40,480

much smaller which is probably why

3663

02:12:46,069 --> 02:12:42,639

they're not

3664

02:12:47,589 --> 02:12:46,079

building um building things that are

3665

02:12:51,350 --> 02:12:47,599

destroying the world

3666

02:12:53,510 --> 02:12:51,360

okay this one comes from sam ford

3667

02:12:55,189 --> 02:12:53,520

nice one i'm a big fan of ian

3668

02:12:55,990 --> 02:12:55,199

mcgillicrist i think he's perhaps one of

3669

02:12:58,149 --> 02:12:56,000

the most important

3670

02:13:00,069 --> 02:12:58,159

thinkers of recent times he cites jung a

3671

02:13:01,510 --> 02:13:00,079

few times in the master in his emissary

3672

02:13:03,270 --> 02:13:01,520

and mentioned ewing in his first talk

3673

02:13:05,030 --> 02:13:03,280

with peterson i've always wondered

3674

02:13:06,790 --> 02:13:05,040

how well he thinks jung's ideas about

3675

02:13:09,990 --> 02:13:06,800

the different aspects of the psyche

3676

02:13:11,990 --> 02:13:10,000

map on to his own he gives a little

3677

02:13:13,270 --> 02:13:12,000

pulse amble it seems to me that maybe

3678

02:13:15,189 --> 02:13:13,280

the persona ego

3679

02:13:16,310 --> 02:13:15,199

and the left hemisphere may match up to

3680

02:13:18,390 --> 02:13:16,320

some degree

3681

02:13:20,310 --> 02:13:18,400

and that the unknown greater personality

3682

02:13:22,709 --> 02:13:20,320

of self matches up to the

3683

02:13:24,629 --> 02:13:22,719

union of the left and the right

3684

02:13:26,790 --> 02:13:24,639

hemispheres maybe

3685

02:13:28,069 --> 02:13:26,800

either way i would like to know his

3686

02:13:31,510 --> 02:13:28,079

ideas on how

3687

02:13:33,910 --> 02:13:31,520

jung matches up with his well

3688

02:13:34,629 --> 02:13:33,920

that's a a very nice question and a good

3689

02:13:37,669 --> 02:13:34,639

one

3690

02:13:38,709 --> 02:13:37,679

um i have to say right away that i've

3691

02:13:42,149 --> 02:13:38,719

not really

3692

02:13:46,950 --> 02:13:42,159

made any systematic study of jung

3693

02:13:49,189 --> 02:13:46,960

i read um modern man in search of a soul

3694

02:13:51,750 --> 02:13:49,199

when i was a teenager and it struck me

3695

02:13:55,189 --> 02:13:51,760

as a very important and powerful book

3696

02:13:57,589 --> 02:13:55,199

and since then i have i've read bits and

3697

02:13:59,669 --> 02:13:57,599

pieces here and there so i don't really

3698

02:14:00,790 --> 02:13:59,679

i wouldn't say i'm a paid up jungian or

3699

02:14:03,910 --> 02:14:00,800

anything like that

3700

02:14:04,950 --> 02:14:03,920

although i do find that uh jungians like

3701

02:14:07,669 --> 02:14:04,960

buddhists

3702

02:14:08,149 --> 02:14:07,679

and i'm also not a buddhist although i

3703

02:14:10,069 --> 02:14:08,159

have

3704

02:14:11,589 --> 02:14:10,079

great sympathy with both jungians and

3705

02:14:14,629 --> 02:14:11,599

buddhists and

3706

02:14:15,510 --> 02:14:14,639

they seem to come to my my talks and

3707

02:14:18,310 --> 02:14:15,520

write to me

3708

02:14:20,550 --> 02:14:18,320

so obviously in their probably better

3709

02:14:22,629 --> 02:14:20,560

informed minds

3710

02:14:25,589 --> 02:14:22,639

whatever it is i'm saying has resonances

3711

02:14:28,709 --> 02:14:25,599

and i'm always interested in those

3712

02:14:29,910 --> 02:14:28,719

i think the the key thing about jung for

3713

02:14:31,830 --> 02:14:29,920

me

3714

02:14:33,030 --> 02:14:31,840

i can't really talk definitively about

3715

02:14:35,669 --> 02:14:33,040

things like the

3716

02:14:37,510 --> 02:14:35,679

you know the ego and the animus and the

3717

02:14:40,790 --> 02:14:37,520

anima and all these things but

3718

02:14:43,830 --> 02:14:40,800

but i can say that his general

3719

02:14:46,629 --> 02:14:43,840

world picture is very sympathetic

3720

02:14:48,149 --> 02:14:46,639

from my point of view and one of the

3721

02:14:50,950 --> 02:14:48,159

most important points

3722

02:14:52,830 --> 02:14:50,960

which is something that he shared with

3723

02:14:57,189 --> 02:14:52,840

goethe

3724

02:14:59,270 --> 02:14:57,199

um was this sense that opposites

3725

02:15:01,669 --> 02:14:59,280

uh come together and that's something

3726

02:15:03,750 --> 02:15:01,679

that i do strongly believe as i

3727

02:15:04,870 --> 02:15:03,760

i've said earlier when we were talking

3728

02:15:08,069 --> 02:15:04,880

about that

3729

02:15:09,109 --> 02:15:08,079

um so yeah but i'm afraid i'm not really

3730

02:15:11,350 --> 02:15:09,119

in a position to

3731

02:15:12,470 --> 02:15:11,360

it's slightly like the freudian question

3732

02:15:14,629 --> 02:15:12,480

you asked about

3733

02:15:16,870 --> 02:15:14,639

you know can we line up the id and the

3734

02:15:21,430 --> 02:15:16,880

eager and the super ego with

3735

02:15:23,189 --> 02:15:21,440

i think to an extent you can but

3736

02:15:25,109 --> 02:15:23,199

and i'm sure that you know it's possible

3737

02:15:28,709 --> 02:15:25,119

to make good analogies

3738

02:15:30,629 --> 02:15:28,719

um between jung's uh

3739

02:15:31,990 --> 02:15:30,639

work which i don't you know as i say i

3740

02:15:35,109 --> 02:15:32,000

don't know the detail

3741

02:15:36,069 --> 02:15:35,119

of um i've always thought of him as a

3742

02:15:39,510 --> 02:15:36,079

very

3743

02:15:41,030 --> 02:15:39,520

um sympathetic soul basically um

3744

02:15:44,069 --> 02:15:41,040

so i'm afraid i'm going to have to

3745

02:15:46,390 --> 02:15:44,079

disappoint sam there

3746

02:15:48,229 --> 02:15:46,400

but the thing that interests me though

3747

02:15:50,069 --> 02:15:48,239

is you know that although

3748

02:15:51,750 --> 02:15:50,079

you see looking back over history there

3749

02:15:54,709 --> 02:15:51,760

are so many people

3750

02:15:56,550 --> 02:15:54,719

who uh long before even freud and jung

3751

02:15:59,270 --> 02:15:56,560

and who knew even less about

3752

02:16:00,709 --> 02:15:59,280

the structure of the brain than they did

3753

02:16:03,990 --> 02:16:00,719

have posited

3754

02:16:06,069 --> 02:16:04,000

something very like what i'm think i've

3755

02:16:08,870 --> 02:16:06,079

discovered and i'm promulgating

3756

02:16:10,229 --> 02:16:08,880

from the basis of modern neuroscience

3757

02:16:12,390 --> 02:16:10,239

it's very exciting

3758

02:16:15,510 --> 02:16:12,400

that in a way these these great

3759

02:16:18,550 --> 02:16:15,520

archetypes these images from

3760

02:16:20,390 --> 02:16:18,560

wise minds in the past they they had

3761

02:16:23,109 --> 02:16:20,400

intuitive understanding

3762

02:16:25,430 --> 02:16:23,119

of something that can now be more

3763

02:16:26,870 --> 02:16:25,440

objectively demonstrated

3764

02:16:29,189 --> 02:16:26,880

you mentioned once in your book about

3765

02:16:30,790 --> 02:16:29,199

the greeks that they had

3766

02:16:32,309 --> 02:16:30,800

some intimation about the left and the

3767

02:16:35,190 --> 02:16:32,319

right hemisphere

3768

02:16:36,469 --> 02:16:35,200

either one is for i think perception of

3769

02:16:39,750 --> 02:16:36,479

the other one was for

3770

02:16:40,790 --> 02:16:39,760

understanding that's right yes and and

3771

02:16:43,910 --> 02:16:40,800

it's fascinating

3772

02:16:45,270 --> 02:16:43,920

um that so long ago people were

3773

02:16:49,030 --> 02:16:45,280

speculating on the

3774

02:16:49,750 --> 02:16:49,040

the the um the uses of the two parts of

3775

02:16:51,349 --> 02:16:49,760

the brain

3776

02:16:53,270 --> 02:16:51,359

i mean what one has to remember is that

3777

02:16:54,950 --> 02:16:53,280

in in galen who was you know

3778

02:16:56,469 --> 02:16:54,960

one of the first great physicians he

3779

02:16:57,509 --> 02:16:56,479

thought that the brain was actually a

3780

02:16:59,509 --> 02:16:57,519

kind of um

3781

02:17:00,549 --> 02:16:59,519

air conditioning system he thought that

3782

02:17:06,389 --> 02:17:00,559

it

3783

02:17:07,589 --> 02:17:06,399

so clearly they were very long way off

3784

02:17:11,429 --> 02:17:07,599

modern science but

3785

02:17:14,469 --> 02:17:11,439

i i do cite and footnote the sources for

3786

02:17:16,709 --> 02:17:14,479

i think the third century a.d

3787

02:17:17,669 --> 02:17:16,719

suggestions that the right hemisphere's

3788

02:17:19,910 --> 02:17:17,679

perception

3789

02:17:21,030 --> 02:17:19,920

and the left for understanding now

3790

02:17:22,309 --> 02:17:21,040

unfortunately

3791

02:17:24,389 --> 02:17:22,319

it's actually true that the right

3792

02:17:25,750 --> 02:17:24,399

hemisphere is better at both perceiving

3793

02:17:27,589 --> 02:17:25,760

and understanding

3794

02:17:29,349 --> 02:17:27,599

but one sort of knows what was being got

3795

02:17:31,110 --> 02:17:29,359

at the right hemisphere is definitely

3796

02:17:33,110 --> 02:17:31,120

better at perception

3797

02:17:34,469 --> 02:17:33,120

and at the sort of taking of things as

3798

02:17:37,589 --> 02:17:34,479

reality rather than

3799

02:17:39,589 --> 02:17:37,599

um having an idea about them in the way

3800

02:17:41,669 --> 02:17:39,599

that the left hemisphere has so

3801
02:17:43,910 --> 02:17:41,679
you know it is that is also remarkable

3802
02:17:45,669 --> 02:17:43,920
thank you for reminding me yeah

3803
02:17:48,070 --> 02:17:45,679
well thank you for pointing it out i

3804
02:17:50,230 --> 02:17:48,080
make extensive notes

3805
02:17:51,750 --> 02:17:50,240
okay that's another reason why i was

3806
02:17:53,429 --> 02:17:51,760
telling you before that this podcast is

3807
02:17:55,750 --> 02:17:53,439
killing me in many ways

3808
02:17:56,549 --> 02:17:55,760
in one way in a salutary manner

3809
02:17:58,389 --> 02:17:56,559
hopefully

3810
02:18:00,709 --> 02:17:58,399
in in one way it's destabilizing in

3811
02:18:02,389 --> 02:18:00,719
another it takes so much preparation and

3812
02:18:05,270 --> 02:18:02,399
hopefully the preparation shows

3813
02:18:06,389 --> 02:18:05,280

in the questions and um sometimes i read

3814

02:18:08,469 --> 02:18:06,399

the comments and

3815

02:18:09,589 --> 02:18:08,479

often they indicate that they do but i

3816

02:18:11,990 --> 02:18:09,599

always wonder how much am i

3817

02:18:15,190 --> 02:18:12,000

overextending myself

3818

02:18:18,549 --> 02:18:15,200

no no well look i mean let me say

3819

02:18:20,790 --> 02:18:18,559

quite genuinely that you do

3820

02:18:22,549 --> 02:18:20,800

your your questions are some of the best

3821

02:18:25,429 --> 02:18:22,559

um

3822

02:18:26,309 --> 02:18:25,439

they target very important areas and no

3823

02:18:27,990 --> 02:18:26,319

i think you're

3824

02:18:29,830 --> 02:18:28,000

you know from that point of view you're

3825

02:18:30,790 --> 02:18:29,840

one of the best interviewers that i've

3826

02:18:33,750 --> 02:18:30,800

i've come across

3827

02:18:34,950 --> 02:18:33,760

so thank you okay well thank you thank

3828

02:18:36,709 --> 02:18:34,960

you man

3829

02:18:38,469 --> 02:18:36,719

it makes me bless i'm brown you can't

3830

02:18:41,910 --> 02:18:38,479

tell but

3831

02:18:43,750 --> 02:18:41,920

but i am blushing okay joanne dong

3832

02:18:45,669 --> 02:18:43,760

says can you ask megilicrist about the

3833

02:18:47,669 --> 02:18:45,679

substitution effect from psychology

3834

02:18:48,870 --> 02:18:47,679

and its impact on the imbalance between

3835

02:18:51,110 --> 02:18:48,880

the right and the left

3836

02:18:52,709 --> 02:18:51,120

hemispheres over the course of western

3837

02:18:55,190 --> 02:18:52,719

civilization

3838

02:18:55,830 --> 02:18:55,200

daniel kenneman states in thinking fast

3839

02:18:57,750 --> 02:18:55,840

and slow

3840

02:18:59,589 --> 02:18:57,760

when faced with a difficult question we

3841

02:19:01,830 --> 02:18:59,599

often answer an easier one instead

3842

02:19:04,950 --> 02:19:01,840

without noticing the substitution thank

3843

02:19:04,960 --> 02:19:09,509

well yes uh

3844

02:19:13,830 --> 02:19:12,150

well first of all let me say about uh

3845

02:19:16,549 --> 02:19:13,840

daniel kahneman and

3846

02:19:18,469 --> 02:19:16,559

and the hemisphere hypothesis uh it

3847

02:19:20,709 --> 02:19:18,479

would be wrong to suppose that when he

3848

02:19:23,669 --> 02:19:20,719

talks about thinking

3849

02:19:25,190 --> 02:19:23,679

fast and slow he's talking about the two

3850

02:19:29,190 --> 02:19:25,200

hemispheres

3851

02:19:31,429 --> 02:19:29,200

um in a conversation that we had

3852

02:19:32,230 --> 02:19:31,439

he confirmed my impression that he's

3853

02:19:35,030 --> 02:19:32,240

talking about

3854

02:19:35,509 --> 02:19:35,040

more top brain versus bottom brain than

3855

02:19:39,589 --> 02:19:35,519

the

3856

02:19:42,309 --> 02:19:39,599

of both hemispheres

3857

02:19:44,790 --> 02:19:42,319

taking more time being more thorough and

3858

02:19:47,669 --> 02:19:44,800

the posterior cortex of both hemispheres

3859

02:19:49,510 --> 02:19:47,679

being more likely to be

3860

02:19:52,630 --> 02:19:49,520

jumping to conclusions or going for the

3861

02:19:54,710 --> 02:19:52,640

familiar however having said that

3862

02:19:56,309 --> 02:19:54,720

your questioner does touch on something

3863

02:19:59,510 --> 02:19:56,319

very interesting

3864

02:20:03,030 --> 02:19:59,520

because research shows that

3865

02:20:04,150 --> 02:20:03,040

um the the left hemisphere jumps to

3866

02:20:07,590 --> 02:20:04,160

conclusions

3867

02:20:09,349 --> 02:20:07,600

and tends to see what it wants to see

3868

02:20:12,070 --> 02:20:09,359

in what is being presented or what is

3869

02:20:14,950 --> 02:20:12,080

being asked it will actually ignore

3870

02:20:16,950 --> 02:20:14,960

or just not hear or just not see things

3871

02:20:19,830 --> 02:20:16,960

that invoke something that it's not

3872

02:20:23,670 --> 02:20:19,840

interested in or not aware of

3873

02:20:26,630 --> 02:20:23,680

so in that sense uh our tendency to

3874

02:20:28,630 --> 02:20:26,640

give a fast answer to something we can

3875

02:20:29,990 --> 02:20:28,640

answer rather than a slower more

3876

02:20:33,030 --> 02:20:30,000

thoughtful answer

3877

02:20:36,150 --> 02:20:33,040

to something that would be

3878

02:20:37,030 --> 02:20:36,160

required deeper reflection that is a

3879

02:20:38,870 --> 02:20:37,040

left right

3880

02:20:42,230 --> 02:20:38,880

distinction so the left hemisphere being

3881

02:20:43,830 --> 02:20:42,240

the more superficial and quick and dirty

3882

02:20:45,429 --> 02:20:43,840

hemisphere on this and the right

3883

02:20:48,790 --> 02:20:45,439

hemisphere having

3884

02:20:51,429 --> 02:20:48,800

um more of a capacity to see

3885

02:20:53,510 --> 02:20:51,439

several sides to something to think more

3886

02:20:54,870 --> 02:20:53,520

carefully about it and to inhibit the

3887

02:20:57,750 --> 02:20:54,880

immediate response of the left

3888

02:21:02,469 --> 02:21:00,950

okay siren dudley hopefully i'm

3889

02:21:03,190 --> 02:21:02,479

pronouncing that correctly says by

3890

02:21:04,630 --> 02:21:03,200

positing an

3891

02:21:07,030 --> 02:21:04,640

absolute division between the brain

3892

02:21:09,670 --> 02:21:07,040

hemispheres aren't we already thereby

3893

02:21:11,030 --> 02:21:09,680

engaged in holy left brain thinking in

3894

02:21:13,110 --> 02:21:11,040

other words isn't the notion of

3895

02:21:14,790 --> 02:21:13,120

different sides quote unquote

3896

02:21:18,230 --> 02:21:14,800

confined to only one side of the brain

3897

02:21:21,830 --> 02:21:20,710

yes i i mean sorry the answer to that

3898

02:21:25,670 --> 02:21:21,840

question is no

3899

02:21:26,070 --> 02:21:25,680

um i i have talked about this quite a

3900

02:21:28,469 --> 02:21:26,080

bit

3901

02:21:29,270 --> 02:21:28,479

i've certainly addressed it in the in

3902

02:21:35,270 --> 02:21:29,280

the

3903

02:21:36,630 --> 02:21:35,280

new edition that came out a year or so

3904

02:21:39,030 --> 02:21:36,640

ago but

3905

02:21:40,469 --> 02:21:39,040

i do also address it in in the matter

3906

02:21:44,790 --> 02:21:40,479

with things

3907

02:21:46,870 --> 02:21:44,800

um there's a sort of sense that you know

3908

02:21:48,389 --> 02:21:46,880

you're dichotomizing aren't you people

3909

02:21:51,590 --> 02:21:48,399

sort of say that

3910

02:21:52,230 --> 02:21:51,600

but um i remember your exact line about

3911

02:21:54,230 --> 02:21:52,240

this

3912

02:21:56,630 --> 02:21:54,240

because sorry to interrupt for the

3913

02:21:58,230 --> 02:21:56,640

people listening the preface alone of

3914

02:22:01,270 --> 02:21:58,240

the master and its emissary

3915

02:22:02,389 --> 02:22:01,280

is already one of my favorite books of

3916

02:22:04,790 --> 02:22:02,399

the past

3917

02:22:06,469 --> 02:22:04,800

few years the preface alone i remember

3918

02:22:07,590 --> 02:22:06,479

listening to the preface i had to listen

3919

02:22:10,070 --> 02:22:07,600

to it because i

3920

02:22:11,190 --> 02:22:10,080

i was driving and so on so the preface

3921

02:22:15,030 --> 02:22:11,200

alone

3922

02:22:16,790 --> 02:22:15,040

had me pausing so often and thinking and

3923

02:22:18,309 --> 02:22:16,800

i'm just wondering how the heck is ian

3924

02:22:24,630 --> 02:22:18,319

coming up with this

3925

02:22:28,469 --> 02:22:26,309

i would point out that there is the

3926

02:22:32,150 --> 02:22:28,479

preface i'm talking about is for the

3927

02:22:35,270 --> 02:22:32,160

the new version right 2019 onwards

3928

02:22:36,309 --> 02:22:35,280

it has a green cover so if your version

3929

02:22:38,469 --> 02:22:36,319

doesn't have the green

3930

02:22:40,230 --> 02:22:38,479

cover then that doesn't have the preface

3931

02:22:42,070 --> 02:22:40,240

but it's very nice that you say that

3932

02:22:43,270 --> 02:22:42,080

because actually somebody sent me a very

3933

02:22:44,710 --> 02:22:43,280

nice email

3934

02:22:47,349 --> 02:22:44,720

saying man i've just read your

3935

02:22:49,510 --> 02:22:47,359

preference and you know

3936

02:22:51,670 --> 02:22:49,520

it's worth buying the book just for that

3937

02:22:54,469 --> 02:22:51,680

so it's almost exactly what you said

3938

02:22:56,309 --> 02:22:54,479

yeah so but i try i try to i try to

3939

02:22:59,590 --> 02:22:56,319

encapsulate you know some of the

3940

02:23:02,150 --> 02:22:59,600

the questions and answers there

3941

02:23:04,389 --> 02:23:02,160

but you know in life there are things

3942

02:23:06,550 --> 02:23:04,399

that are false dichotomies and there are

3943

02:23:08,790 --> 02:23:06,560

some that are genuine dichotomies even

3944

02:23:11,830 --> 02:23:08,800

if there is a degree of overlap

3945

02:23:12,630 --> 02:23:11,840

so for example you know um bad drivers

3946

02:23:14,870 --> 02:23:12,640

versus

3947

02:23:17,110 --> 02:23:14,880

good drivers that's a false dichotomy i

3948

02:23:19,349 --> 02:23:17,120

mean it's a matter of degree and it's

3949

02:23:21,750 --> 02:23:19,359

all on the spectrum

3950

02:23:22,870 --> 02:23:21,760

and then you could take um some other

3951
02:23:26,950 --> 02:23:22,880
things like

3952
02:23:27,270 --> 02:23:26,960
um being a tree or being an animal you

3953
02:23:30,230 --> 02:23:27,280
know

3954
02:23:32,630 --> 02:23:30,240
um there is a kind of pond life that's

3955
02:23:35,030 --> 02:23:32,640
very hard to say whether it's actually a

3956
02:23:36,630 --> 02:23:35,040
a plant or an animal but nonetheless on

3957
02:23:38,230 --> 02:23:36,640
the whole we can tell the difference

3958
02:23:41,590 --> 02:23:38,240
between an elephant

3959
02:23:43,750 --> 02:23:41,600
and a tree and and this is the

3960
02:23:44,710 --> 02:23:43,760
this is a perfectly good dichotomy if

3961
02:23:47,030 --> 02:23:44,720
you like

3962
02:23:48,469 --> 02:23:47,040
so what i would say about this the

3963
02:23:51,190 --> 02:23:48,479

divide between the brain

3964

02:23:51,910 --> 02:23:51,200

is that i always start off very early in

3965

02:23:54,150 --> 02:23:51,920

any book

3966

02:23:55,990 --> 02:23:54,160

i'm talking about it and say yeah there

3967

02:23:58,870 --> 02:23:56,000

is a certain degree of overlap

3968

02:24:00,309 --> 02:23:58,880

that's necessary and important but

3969

02:24:01,990 --> 02:24:00,319

nonetheless um

3970

02:24:04,150 --> 02:24:02,000

don't reject the fact that there are

3971

02:24:05,830 --> 02:24:04,160

very startling differences

3972

02:24:07,429 --> 02:24:05,840

just because you have to have you happen

3973

02:24:09,990 --> 02:24:07,439

to think that

3974

02:24:11,990 --> 02:24:10,000

dichotomies are impossible it's you know

3975

02:24:13,510 --> 02:24:12,000

dichotomies can be simple but it can

3976

02:24:17,349 --> 02:24:13,520

also be simplistic

3977

02:24:20,550 --> 02:24:17,359

to reject a dichotomy if there is one

3978

02:24:22,389 --> 02:24:20,560

and in this case there is one and let me

3979

02:24:23,990 --> 02:24:22,399

just repeat because people don't find

3980

02:24:27,270 --> 02:24:24,000

this easy to take in

3981

02:24:30,389 --> 02:24:27,280

there is overlap there is overlap

3982

02:24:34,070 --> 02:24:30,399

and an example i give is um

3983

02:24:37,429 --> 02:24:34,080

between the culture and climate

3984

02:24:42,230 --> 02:24:37,439

of iceland and indonesia okay

3985

02:24:46,230 --> 02:24:42,240

so iceland's a very cold country

3986

02:24:49,030 --> 02:24:46,240

and its landscape its vegetation

3987

02:24:50,070 --> 02:24:49,040

even the the the kind of temperament of

3988

02:24:52,630 --> 02:24:50,080

the people

3989

02:24:53,510 --> 02:24:52,640

is bound to have been molded by its its

3990

02:25:01,429 --> 02:24:53,520

climate

3991

02:25:03,590 --> 02:25:01,439

and again the vegetation and the history

3992

02:25:04,550 --> 02:25:03,600

and the culture and even probably the

3993

02:25:07,670 --> 02:25:04,560

temperament

3994

02:25:10,710 --> 02:25:07,680

is different but it is still true

3995

02:25:11,670 --> 02:25:10,720

that the hottest year ever recorded the

3996

02:25:15,110 --> 02:25:11,680

annual average

3997

02:25:17,590 --> 02:25:15,120

temperature in iceland was higher

3998

02:25:18,150 --> 02:25:17,600

than the lowest average temperature for

3999

02:25:20,469 --> 02:25:18,160

the year

4000

02:25:22,150 --> 02:25:20,479

ever recorded in indonesia so it's

4001

02:25:22,790 --> 02:25:22,160

perfectly possible for there to be

4002

02:25:25,510 --> 02:25:22,800

overlap

4003

02:25:27,030 --> 02:25:25,520

in things that are radically different

4004

02:25:32,950 --> 02:25:27,040

so

4005

02:25:36,870 --> 02:25:32,960

me on that one

4006

02:25:38,790 --> 02:25:36,880

all right actually that line

4007

02:25:40,230 --> 02:25:38,800

it's burned into my memory the line is

4008

02:25:41,910 --> 02:25:40,240

people don't like dichotomies because

4009

02:25:43,270 --> 02:25:41,920

they say dichotomies are simplistic but

4010

02:25:45,349 --> 02:25:43,280

it's also simplistic to dismiss

4011

02:25:47,110 --> 02:25:45,359

something just because it's a dichotomy

4012

02:25:48,630 --> 02:25:47,120

now that one i'm gonna take i will

4013

02:25:49,349 --> 02:25:48,640

credit you don't worry but i'm doing

4014

02:25:51,030 --> 02:25:49,359

interviews

4015

02:25:52,469 --> 02:25:51,040

i'm being interviewed because i'm

4016

02:25:54,710 --> 02:25:52,479

putting out a film soon

4017

02:25:55,590 --> 02:25:54,720

on the extreme left what makes the

4018

02:25:58,790 --> 02:25:55,600

extreme left

4019

02:26:00,230 --> 02:25:58,800

extreme on the political spectrum right

4020

02:26:02,230 --> 02:26:00,240

not because i'm a right winger

4021

02:26:03,670 --> 02:26:02,240

in fact i'm apolitical but because it's

4022

02:26:05,429 --> 02:26:03,680

it's difficult to analyze what's

4023

02:26:06,230 --> 02:26:05,439

extremism on the left extremism on the

4024

02:26:09,590 --> 02:26:06,240

right is just

4025

02:26:11,830 --> 02:26:09,600

it's it's blatant anyway i

4026

02:26:13,349 --> 02:26:11,840

well i think main stream on the left is

4027

02:26:15,910 --> 02:26:13,359

is also blatant but

4028

02:26:16,790 --> 02:26:15,920

and they as i said earlier on when we

4029

02:26:19,429 --> 02:26:16,800

were talking

4030

02:26:21,110 --> 02:26:19,439

they have an enormous amount in common

4031

02:26:22,710 --> 02:26:21,120

right exactly exactly so that's why i

4032

02:26:24,710 --> 02:26:22,720

was like okay that's the horse

4033

02:26:26,070 --> 02:26:24,720

shoe theory i believe in a nutshell and

4034

02:26:27,590 --> 02:26:26,080

that's interesting because the further

4035

02:26:29,349 --> 02:26:27,600

you run away from a point the closer you

4036

02:26:31,910 --> 02:26:29,359

get to it after a certain location

4037

02:26:34,070 --> 02:26:31,920

so it's like a circle right in some

4038

02:26:35,670 --> 02:26:34,080

cases that is absolutely true yeah

4039

02:26:37,110 --> 02:26:35,680

maybe you want to quickly comment this

4040

02:26:38,230 --> 02:26:37,120

is something i was thinking about as i

4041

02:26:40,309 --> 02:26:38,240

was reading your book

4042

02:26:42,309 --> 02:26:40,319

is is there a way of mapping the

4043

02:26:43,990 --> 02:26:42,319

hemisphere differences the left right

4044

02:26:45,349 --> 02:26:44,000

onto our left right spectrum maybe it's

4045

02:26:46,550 --> 02:26:45,359

inverted like the right brain is the

4046

02:26:48,070 --> 02:26:46,560

left and the

4047

02:26:50,070 --> 02:26:48,080

and the reason i was thinking about this

4048

02:26:53,510 --> 02:26:50,080

is because while the french revolution

4049

02:26:55,030 --> 02:26:53,520

is posed as a left phenomenon and they

4050

02:26:57,110 --> 02:26:55,040

espoused rationality and so on but

4051

02:27:00,389 --> 02:26:57,120

that's a left brain but then

4052

02:27:02,070 --> 02:27:00,399

on the other hand they loved russoian

4053

02:27:03,910 --> 02:27:02,080

thinking which seems to me to be more

4054

02:27:06,070 --> 02:27:03,920

romantic which is right-brained

4055

02:27:07,910 --> 02:27:06,080

so there's many contradictions i see and

4056

02:27:09,429 --> 02:27:07,920

i couldn't map them on directly and i

4057

02:27:11,670 --> 02:27:09,439

was wondering if you had any experience

4058

02:27:14,070 --> 02:27:11,680

or thought about this well

4059

02:27:15,670 --> 02:27:14,080

well to come back to the previous

4060

02:27:17,270 --> 02:27:15,680

question this is a case where it would

4061

02:27:21,190 --> 02:27:17,280

be simplistic

4062

02:27:22,150 --> 02:27:21,200

so any culture is a mixture of many

4063

02:27:24,550 --> 02:27:22,160

things

4064

02:27:26,550 --> 02:27:24,560

and what i say about this is easily to

4065

02:27:28,870 --> 02:27:26,560

identify

4066

02:27:30,389 --> 02:27:28,880

right hemisphere style thinkers on the

4067

02:27:32,550 --> 02:27:30,399

right and on the left

4068

02:27:34,469 --> 02:27:32,560

and left hemisphere style thinkers on

4069

02:27:36,070 --> 02:27:34,479

the right and on the left

4070

02:27:39,429 --> 02:27:36,080

so that you get thinkers that are

4071

02:27:43,190 --> 02:27:39,439

dogmatic uncharitable

4072

02:27:43,990 --> 02:27:43,200

angry mr right knows what's good for

4073

02:27:46,710 --> 02:27:44,000

people

4074

02:27:48,309 --> 02:27:46,720

you know that is your left hemisphere

4075

02:27:50,469 --> 02:27:48,319

type and there's plenty of them on the

4076
02:27:53,349 --> 02:27:50,479
left just as there are on the right

4077
02:27:54,950 --> 02:27:53,359
and there are thoughtful flexible

4078
02:27:57,270 --> 02:27:54,960
compassionate people

4079
02:27:58,309 --> 02:27:57,280
who don't treat people as belonging to

4080
02:28:00,630 --> 02:27:58,319
boxes or

4081
02:28:01,670 --> 02:28:00,640
categories or ticking something but are

4082
02:28:04,389 --> 02:28:01,680
actually

4083
02:28:06,230 --> 02:28:04,399
complicated human individuals with many

4084
02:28:08,550 --> 02:28:06,240
many facets to their

4085
02:28:09,270 --> 02:28:08,560
their experience to their personality

4086
02:28:13,670 --> 02:28:09,280
now that

4087
02:28:17,910 --> 02:28:16,070
it's quite coherent i think to say that

4088
02:28:21,830 --> 02:28:17,920

no it doesn't map onto

4089

02:28:26,070 --> 02:28:23,270

in fact in some ways you know the

4090

02:28:27,429 --> 02:28:26,080

interesting thing is if anything the

4091

02:28:29,270 --> 02:28:27,439

left hemisphere

4092

02:28:30,950 --> 02:28:29,280

is much more theoretical and the right

4093

02:28:32,230 --> 02:28:30,960

hemisphere is much more interested in

4094

02:28:34,870 --> 02:28:32,240

experience

4095

02:28:37,030 --> 02:28:34,880

and one way of thinking about the divide

4096

02:28:40,469 --> 02:28:37,040

between the political spectrum is that

4097

02:28:44,389 --> 02:28:40,479

the left end of it tends to prioritize

4098

02:28:45,349 --> 02:28:44,399

theories over the experience of history

4099

02:28:48,150 --> 02:28:45,359

of culture

4100

02:28:49,110 --> 02:28:48,160

whereas the right wing or the writer

4101
02:28:52,870 --> 02:28:49,120
wing of

4102
02:28:54,710 --> 02:28:52,880
of thinking tends to be very interested

4103
02:28:57,750 --> 02:28:54,720
in history and culture

4104
02:28:59,830 --> 02:28:57,760
and context and embodiment not in a

4105
02:29:00,389 --> 02:28:59,840
theory that on paper looks like it's

4106
02:29:03,590 --> 02:29:00,399
going to make

4107
02:29:06,070 --> 02:29:03,600
everybody happy so i think

4108
02:29:07,670 --> 02:29:06,080
there is an argument that if you had to

4109
02:29:10,230 --> 02:29:07,680
put it either way

4110
02:29:10,870 --> 02:29:10,240
i would associate the right spectrum

4111
02:29:12,469 --> 02:29:10,880
with

4112
02:29:14,550 --> 02:29:12,479
the right hemisphere and the left

4113
02:29:17,990 --> 02:29:14,560

spectrum particularly the extreme left

4114

02:29:19,910 --> 02:29:18,000

with the left hemisphere interesting but

4115

02:29:22,469 --> 02:29:19,920

but as i say i don't think that you can

4116

02:29:24,710 --> 02:29:22,479

make a a clean mapping no

4117

02:29:27,030 --> 02:29:24,720

right nietzsche to me was paradoxical

4118

02:29:28,710 --> 02:29:27,040

because he

4119

02:29:30,230 --> 02:29:28,720

repudiated rationalities and then that

4120

02:29:32,790 --> 02:29:30,240

to me puts him on the right

4121

02:29:34,309 --> 02:29:32,800

hemisphere as well as loved the passions

4122

02:29:36,230 --> 02:29:34,319

but then at the same time

4123

02:29:37,590 --> 02:29:36,240

had the will to power as his primal

4124

02:29:37,910 --> 02:29:37,600

motive at least toward the end of his

4125

02:29:40,950 --> 02:29:37,920

life

4126
02:29:42,469 --> 02:29:40,960
so then that's the left okay daigo pinto

4127
02:29:44,550 --> 02:29:42,479
can i just say something yes sure

4128
02:29:47,190 --> 02:29:44,560
quickly about that yeah

4129
02:29:49,110 --> 02:29:47,200
um i do want to get away from the idea

4130
02:29:51,510 --> 02:29:49,120
that somehow reason is

4131
02:29:53,110 --> 02:29:51,520
associated with the left hemisphere and

4132
02:29:54,790 --> 02:29:53,120
emotion with the right

4133
02:29:56,870 --> 02:29:54,800
reason is associated with both

4134
02:29:59,110 --> 02:29:56,880
hemispheres and so is emotion

4135
02:30:01,270 --> 02:29:59,120
they are both capable of being emotional

4136
02:30:03,830 --> 02:30:01,280
the left is actually more intemperate

4137
02:30:05,990 --> 02:30:03,840
less inhibited when it gets emotional

4138
02:30:06,950 --> 02:30:06,000

and the right hemisphere pl is plays a

4139

02:30:09,510 --> 02:30:06,960

very important

4140

02:30:11,510 --> 02:30:09,520

part in reason which is the coming

4141

02:30:13,750 --> 02:30:11,520

together of thoughtful

4142

02:30:15,750 --> 02:30:13,760

reflection on experience and even in

4143

02:30:17,510 --> 02:30:15,760

some kinds of logic it is actually

4144

02:30:18,070 --> 02:30:17,520

superior to the left so it's a very

4145

02:30:20,469 --> 02:30:18,080

complex

4146

02:30:21,750 --> 02:30:20,479

picture this is a good point for you to

4147

02:30:23,110 --> 02:30:21,760

delineate the difference between

4148

02:30:25,110 --> 02:30:23,120

rationality and reason

4149

02:30:26,630 --> 02:30:25,120

because i just use the word rationality

4150

02:30:27,190 --> 02:30:26,640

and i often conflate it with reason as

4151
02:30:28,870 --> 02:30:27,200
well

4152
02:30:32,710 --> 02:30:28,880
but in your book you do give i think you

4153
02:30:35,910 --> 02:30:32,720
cite the newest for reason

4154
02:30:38,389 --> 02:30:35,920
well i it struck me

4155
02:30:38,950 --> 02:30:38,399
that in most languages rather as we

4156
02:30:41,830 --> 02:30:38,960
don't

4157
02:30:43,590 --> 02:30:41,840
differentiate between this and canon we

4158
02:30:46,950 --> 02:30:43,600
just have one word to know

4159
02:30:48,150 --> 02:30:46,960
we also don't like many other languages

4160
02:30:52,070 --> 02:30:48,160
have a different term

4161
02:30:56,389 --> 02:30:52,080
for a sort of isolated abstracted

4162
02:30:58,550 --> 02:30:56,399
form formulation of rational processes

4163
02:31:00,870 --> 02:30:58,560

in the sense that a computer could be

4164

02:31:03,670 --> 02:31:00,880
programmed to carry them out

4165

02:31:04,950 --> 02:31:03,680
and reason which is often in conflict

4166

02:31:07,670 --> 02:31:04,960
with that

4167

02:31:08,389 --> 02:31:07,680
being reasonable means taking into

4168

02:31:14,469 --> 02:31:08,399
account

4169

02:31:16,070 --> 02:31:14,479
what one knows wisely from experience

4170

02:31:17,910 --> 02:31:16,080
and from living

4171

02:31:22,389 --> 02:31:17,920
and in german there's a distinction

4172

02:31:28,070 --> 02:31:25,510
rather abstract theoretical reason and

4173

02:31:30,630 --> 02:31:28,080
fenunzt which is a kind of quality that

4174

02:31:33,110 --> 02:31:30,640
you get from being wise and living which

4175

02:31:35,190 --> 02:31:33,120
means you're able to reason but do so as

4176

02:31:37,110 --> 02:31:35,200

a wise judge in a court would do

4177

02:31:39,510 --> 02:31:37,120

i mean a judge in a court shouldn't

4178

02:31:41,590 --> 02:31:39,520

really be just applying rules in a

4179

02:31:44,150 --> 02:31:41,600

computer-like way but should be thinking

4180

02:31:45,190 --> 02:31:44,160

contextually and that is what we used to

4181

02:31:47,190 --> 02:31:45,200

mean

4182

02:31:49,750 --> 02:31:47,200

by reason and that's what we used to

4183

02:31:51,670 --> 02:31:49,760

think was the flower of education that

4184

02:31:53,190 --> 02:31:51,680

the reason for educating people

4185

02:31:55,110 --> 02:31:53,200

was they could think in this very

4186

02:31:57,910 --> 02:31:55,120

balanced flexible way

4187

02:32:00,150 --> 02:31:57,920

taking many sides of things into account

4188

02:32:01,830 --> 02:32:00,160

but in our world today where everything

4189

02:32:02,630 --> 02:32:01,840

is very much skewed towards the left

4190

02:32:04,389 --> 02:32:02,640

hemisphere

4191

02:32:05,790 --> 02:32:04,399

we tend to think of reason as like a

4192

02:32:08,710 --> 02:32:05,800

kind of rote

4193

02:32:09,349 --> 02:32:08,720

rationality and i think that's a huge

4194

02:32:12,790 --> 02:32:09,359

loss

4195

02:32:13,990 --> 02:32:12,800

so yeah you mentioned the judge and that

4196

02:32:15,830 --> 02:32:14,000

reminds me i had a

4197

02:32:17,910 --> 02:32:15,840

speculative question or speculative

4198

02:32:19,830 --> 02:32:17,920

thought about jesus who had an emphasis

4199

02:32:20,710 --> 02:32:19,840

on the spirit of the text versus the

4200

02:32:22,309 --> 02:32:20,720

text

4201
02:32:24,389 --> 02:32:22,319
and one is in keeping with god and the

4202
02:32:25,910 --> 02:32:24,399
other is pharisaical it's a literal

4203
02:32:27,750 --> 02:32:25,920
interpretation

4204
02:32:29,590 --> 02:32:27,760
and jesus said you keep with god you

4205
02:32:30,309 --> 02:32:29,600
take the spirit and that to me was more

4206
02:32:31,670 --> 02:32:30,319
right-brained

4207
02:32:33,349 --> 02:32:31,680
and then i wondered does that mean

4208
02:32:36,710 --> 02:32:33,359
there's a theological argument for the

4209
02:32:40,550 --> 02:32:36,720
primacy of the right hemisphere

4210
02:32:43,670 --> 02:32:40,560
well there is actually and i make it um

4211
02:32:44,150 --> 02:32:43,680
in the matter with things but it's it's

4212
02:32:46,950 --> 02:32:44,160
a long

4213
02:32:48,790 --> 02:32:46,960

argument and it's a it needs to reflect

4214

02:32:52,309 --> 02:32:48,800

on many many many things

4215

02:32:54,150 --> 02:32:52,319

but i can't wait to read that book man

4216

02:32:56,309 --> 02:32:54,160

but what i would just say is there's an

4217

02:32:59,349 --> 02:32:56,319

interesting you know how

4218

02:33:00,550 --> 02:32:59,359

um my vision is that the left hemisphere

4219

02:33:02,630 --> 02:33:00,560

is either or

4220

02:33:03,750 --> 02:33:02,640

but the right hemisphere is sort of both

4221

02:33:05,510 --> 02:33:03,760

and

4222

02:33:07,110 --> 02:33:05,520

well the left hemisphere tends to be

4223

02:33:09,750 --> 02:33:07,120

very given to the letter

4224

02:33:11,830 --> 02:33:09,760

of the law as you hinted but the right

4225

02:33:13,670 --> 02:33:11,840

hemisphere is able to see that sometimes

4226

02:33:16,309 --> 02:33:13,680

the letter of the law

4227

02:33:17,990 --> 02:33:16,319

needs to be respected as well as the

4228

02:33:19,990 --> 02:33:18,000

kind of spirit of the law

4229

02:33:22,309 --> 02:33:20,000

because the spirit of the law is

4230

02:33:25,349 --> 02:33:22,319

generally what one wants to find not

4231

02:33:28,710 --> 02:33:25,359

the letter of it but if a person

4232

02:33:31,510 --> 02:33:28,720

has relied on the letter of the law

4233

02:33:33,670 --> 02:33:31,520

because that's what it says then they

4234

02:33:36,150 --> 02:33:33,680

ought to be given some protection

4235

02:33:37,190 --> 02:33:36,160

under law because they did abide by what

4236

02:33:39,990 --> 02:33:37,200

the letter of the law

4237

02:33:40,550 --> 02:33:40,000

said they might find themselves still

4238

02:33:42,790 --> 02:33:40,560

open

4239

02:33:44,309 --> 02:33:42,800

to the criticism that they didn't

4240

02:33:46,710 --> 02:33:44,319

understand the spirit of it

4241

02:33:48,469 --> 02:33:46,720

but i think that a wise judge would take

4242

02:33:50,389 --> 02:33:48,479

both into account and it's not

4243

02:33:52,550 --> 02:33:50,399

necessarily one way or the other that

4244

02:33:54,870 --> 02:33:52,560

they would i think they'd depend

4245

02:33:56,790 --> 02:33:54,880

their judgment would depend on the

4246

02:33:57,270 --> 02:33:56,800

circumstances and the person and the

4247

02:34:01,030 --> 02:33:57,280

case

4248

02:34:04,150 --> 02:34:03,030

i know i want to get to daigo's question

4249

02:34:06,550 --> 02:34:04,160

but you just said

4250

02:34:07,190 --> 02:34:06,560

i i please i have to interject with one

4251
02:34:08,950 --> 02:34:07,200
thought

4252
02:34:10,389 --> 02:34:08,960
pascal in your book you mentioned that

4253
02:34:12,790 --> 02:34:10,399
he had

4254
02:34:14,550 --> 02:34:12,800
a quotation about the whole point of

4255
02:34:15,590 --> 02:34:14,560
reason i believe it was reason not

4256
02:34:17,990 --> 02:34:15,600
rationality but

4257
02:34:19,270 --> 02:34:18,000
let's imagine it's reason that the whole

4258
02:34:20,469 --> 02:34:19,280
point of reason is to realize that

4259
02:34:22,150 --> 02:34:20,479
there's an infinitude of

4260
02:34:23,510 --> 02:34:22,160
more important aspects to life than

4261
02:34:26,389 --> 02:34:23,520
reason

4262
02:34:28,389 --> 02:34:26,399
and then i was wondering well what does

4263
02:34:31,830 --> 02:34:28,399

one say to the

4264

02:34:33,750 --> 02:34:31,840

retort that when giving and

4265

02:34:35,030 --> 02:34:33,760

when giving a reason to not use reason

4266

02:34:37,190 --> 02:34:35,040

you're still appealing to

4267

02:34:40,389 --> 02:34:37,200

reason so it's somewhat self-defeating

4268

02:34:44,630 --> 02:34:42,630

um i didn't quite catch the meaning of

4269

02:34:46,150 --> 02:34:44,640

your last okay

4270

02:34:47,510 --> 02:34:46,160

let's say you're giving let's say you're

4271

02:34:48,710 --> 02:34:47,520

explaining to someone here's why you

4272

02:34:51,429 --> 02:34:48,720

shouldn't use reason

4273

02:34:52,630 --> 02:34:51,439

alone or if it's rationality alone but

4274

02:34:55,830 --> 02:34:52,640

either way you're giving me

4275

02:34:58,870 --> 02:34:55,840

an argument and giving a reason to well

4276
02:35:00,870 --> 02:34:58,880
there are different levels of reason and

4277
02:35:02,550 --> 02:35:00,880
there's a kind of meta level of reason

4278
02:35:05,030 --> 02:35:02,560
and i think the meta level

4279
02:35:06,389 --> 02:35:05,040
the overarching view that takes in both

4280
02:35:09,190 --> 02:35:06,399
is usually the one i

4281
02:35:10,870 --> 02:35:09,200
would say is best associated more likely

4282
02:35:14,070 --> 02:35:10,880
to be associated with the

4283
02:35:15,830 --> 02:35:14,080
working of the right hemisphere and so

4284
02:35:17,110 --> 02:35:15,840
as i say the right hemisphere is no

4285
02:35:21,190 --> 02:35:17,120
stranger to reason

4286
02:35:22,950 --> 02:35:21,200
absolutely not um and

4287
02:35:24,469 --> 02:35:22,960
it would be a big mistake to say that it

4288
02:35:26,309 --> 02:35:24,479

in any way rejected it

4289

02:35:28,389 --> 02:35:26,319

but it's more likely to see the limits

4290

02:35:30,710 --> 02:35:28,399

of it because it's

4291

02:35:32,230 --> 02:35:30,720

it's able to stand outside of its own

4292

02:35:33,429 --> 02:35:32,240

viewpoint and see there are things that

4293

02:35:34,870 --> 02:35:33,439

it doesn't know which the left

4294

02:35:37,349 --> 02:35:34,880

hemisphere is very

4295

02:35:39,349 --> 02:35:37,359

bad at doing so it thinks i've got this

4296

02:35:40,710 --> 02:35:39,359

schema which will solve all my problems

4297

02:35:42,790 --> 02:35:40,720

i run them through

4298

02:35:45,270 --> 02:35:42,800

this mental computer and the solution

4299

02:35:46,870 --> 02:35:45,280

comes out which is the right answer

4300

02:35:48,550 --> 02:35:46,880

and the right chemists can say no there

4301

02:35:49,910 --> 02:35:48,560

could be many right answers

4302

02:35:52,309 --> 02:35:49,920

they're not you know they're not

4303

02:35:54,070 --> 02:35:52,319

necessarily compatible with one another

4304

02:35:55,910 --> 02:35:54,080

but they might apply in different

4305

02:35:57,349 --> 02:35:55,920

circumstances at different times with

4306

02:36:00,950 --> 02:35:57,359

different people

4307

02:36:02,710 --> 02:36:00,960

so to see a more nuanced and

4308

02:36:04,870 --> 02:36:02,720

more complex picture i think the right

4309

02:36:06,469 --> 02:36:04,880

hemisphere is the one that would be

4310

02:36:08,150 --> 02:36:06,479

using elements of reason

4311

02:36:10,550 --> 02:36:08,160

and there's nothing wrong with reason in

4312

02:36:12,710 --> 02:36:10,560

itself to show the limits of reason this

4313

02:36:14,469 --> 02:36:12,720

is really what pascal was saying

4314

02:36:16,150 --> 02:36:14,479

and you've just demonstrated that that

4315

02:36:17,990 --> 02:36:16,160

is that is okay

4316

02:36:19,990 --> 02:36:18,000

he made a distinction between what he

4317

02:36:23,349 --> 02:36:20,000

called geometry

4318

02:36:25,990 --> 02:36:23,359

geometers and espirifa

4319

02:36:26,630 --> 02:36:26,000

fine spirits and he says the fine

4320

02:36:29,830 --> 02:36:26,640

spirits

4321

02:36:33,429 --> 02:36:29,840

by the word fine he means subtle so

4322

02:36:35,429 --> 02:36:33,439

the subtle spirit is different from the

4323

02:36:37,429 --> 02:36:35,439

slightly bull in the china shop black

4324

02:36:40,790 --> 02:36:37,439

and white hard and fast

4325

02:36:43,590 --> 02:36:40,800

inflexible geometric spirit in which

4326

02:36:44,150 --> 02:36:43,600

he's saying you know you you you turn

4327

02:36:46,150 --> 02:36:44,160

away

4328

02:36:48,630 --> 02:36:46,160

you do a diagram and you've you've got

4329

02:36:52,070 --> 02:36:48,640

the answer whereas the

4330

02:36:54,389 --> 02:36:52,080

the esp he says can see

4331

02:36:56,469 --> 02:36:54,399

things understand things that can hardly

4332

02:36:57,190 --> 02:36:56,479

be put into words but are very very

4333

02:36:59,030 --> 02:36:57,200

important

4334

02:37:00,469 --> 02:36:59,040

now coming from a mathematician that is

4335

02:37:01,270 --> 02:37:00,479

a very imp and a very great

4336

02:37:04,870 --> 02:37:01,280

mathematician

4337

02:37:06,870 --> 02:37:04,880

that's a very important thing to hear

4338

02:37:08,469 --> 02:37:06,880

is this related to at one point in the

4339

02:37:11,030 --> 02:37:08,479

book you referenced that we need to

4340

02:37:12,630 --> 02:37:11,040

transcend utility and i always wondered

4341

02:37:13,990 --> 02:37:12,640

well tongue-in-cheek what's the use of

4342

02:37:16,710 --> 02:37:14,000

that

4343

02:37:18,389 --> 02:37:16,720

but also how does one transcend you is

4344

02:37:19,990 --> 02:37:18,399

this related to or is it not related to

4345

02:37:20,790 --> 02:37:20,000

it or is it all related because at some

4346

02:37:23,429 --> 02:37:20,800

point

4347

02:37:24,790 --> 02:37:23,439

everything's related no no it is it is

4348

02:37:28,230 --> 02:37:24,800

uh related

4349

02:37:29,830 --> 02:37:28,240

kurt but in the

4350

02:37:31,830 --> 02:37:29,840

i don't know whether you've got to a

4351

02:37:34,309 --> 02:37:31,840

chapter where i talk about shayla's

4352

02:37:38,070 --> 02:37:34,319

pyramid of values

4353

02:37:40,790 --> 02:37:38,080

shayla was a contemporary of

4354

02:37:42,070 --> 02:37:40,800

heidegger's but died much younger whom

4355

02:37:43,910 --> 02:37:42,080

heidegger called the greatest

4356

02:37:47,510 --> 02:37:43,920

philosopher in europe of his age

4357

02:37:48,630 --> 02:37:47,520

and he he focused on values more than

4358

02:37:50,790 --> 02:37:48,640

heidegger

4359

02:37:52,150 --> 02:37:50,800

and he had a hierarchy of values which

4360

02:37:53,750 --> 02:37:52,160

at the bottom is

4361

02:37:55,830 --> 02:37:53,760

things that are merely useful or

4362

02:37:56,389 --> 02:37:55,840

pleasurable the sort of things that

4363

02:37:59,110 --> 02:37:56,399

actually

4364

02:38:01,110 --> 02:37:59,120

any animal would go for and then

4365

02:38:01,910 --> 02:38:01,120

there are the higher values that

4366

02:38:04,550 --> 02:38:01,920

transcend

4367

02:38:07,110 --> 02:38:04,560

those of pure utility and i think those

4368

02:38:10,309 --> 02:38:07,120

are the very important values that

4369

02:38:13,270 --> 02:38:10,319

render us moral beings and

4370

02:38:14,230 --> 02:38:13,280

give our lives meaning and that just to

4371

02:38:17,349 --> 02:38:14,240

be following

4372

02:38:19,510 --> 02:38:17,359

utility and pleasure is self-defeating

4373

02:38:20,710 --> 02:38:19,520

in fact by doing it very much more than

4374

02:38:23,190 --> 02:38:20,720

any previous

4375

02:38:25,349 --> 02:38:23,200

civilization has ever done we are

4376

02:38:27,110 --> 02:38:25,359

endangering our very existence as a

4377

02:38:28,870 --> 02:38:27,120

civilization

4378

02:38:30,710 --> 02:38:28,880

we're just grabbing things as they're

4379

02:38:32,469 --> 02:38:30,720

useful taking

4380

02:38:33,750 --> 02:38:32,479

courses of action because they're easy

4381

02:38:36,550 --> 02:38:33,760

and pleasurable

4382

02:38:37,270 --> 02:38:36,560

whereas when a civilization is a at its

4383

02:38:40,150 --> 02:38:37,280

height

4384

02:38:41,030 --> 02:38:40,160

it inculcates a spirit of self-denial to

4385

02:38:44,150 --> 02:38:41,040

a point

4386

02:38:45,190 --> 02:38:44,160

of you know a certain degree of bravery

4387

02:38:49,510 --> 02:38:45,200

of courage

4388

02:38:53,510 --> 02:38:49,520

of humility of

4389

02:38:54,710 --> 02:38:53,520

you know moral consideration of the

4390

02:38:56,469 --> 02:38:54,720

value of others

4391

02:38:59,190 --> 02:38:56,479

and that this is not the way that we now

4392

02:39:02,710 --> 02:39:00,790

i'm assuming then when you use the term

4393

02:39:05,030 --> 02:39:02,720

utility you mean in a short term

4394

02:39:05,830 --> 02:39:05,040

or short-sighted or self-centered manner

4395

02:39:08,550 --> 02:39:05,840

because

4396

02:39:10,550 --> 02:39:08,560

yes we could always say that we could

4397

02:39:11,190 --> 02:39:10,560

always reposition utility to be utility

4398

02:39:13,110 --> 02:39:11,200

for god

4399

02:39:14,550 --> 02:39:13,120

so that if we're acting in accordance

4400

02:39:14,790 --> 02:39:14,560

with our morals then that's useful for

4401

02:39:20,710 --> 02:39:14,800

the

4402

02:39:23,990 --> 02:39:20,720

terribly debased way of thinking about

4403

02:39:25,910 --> 02:39:24,000

um one's attitude to god it's rather

4404

02:39:27,670 --> 02:39:25,920

like the old argument that if you

4405

02:39:28,469 --> 02:39:27,680

believe that you will go to heaven if

4406

02:39:30,230 --> 02:39:28,479

you're good

4407

02:39:31,750 --> 02:39:30,240

then you're just really basically

4408

02:39:35,590 --> 02:39:31,760

pursuing a good

4409

02:39:38,710 --> 02:39:35,600

for yourself but that is really to

4410

02:39:39,910 --> 02:39:38,720

completely stand on its head i'm not

4411

02:39:42,469 --> 02:39:39,920

saying there aren't people who can be

4412

02:39:45,270 --> 02:39:42,479

motivated wrongly in this way i'm sure

4413

02:39:47,030 --> 02:39:45,280

there are and were but i'm really saying

4414

02:39:49,429 --> 02:39:47,040

that a true understanding

4415

02:39:50,389 --> 02:39:49,439

of morality excludes the idea that

4416

02:39:52,070 --> 02:39:50,399

you're moral

4417

02:39:54,790 --> 02:39:52,080

simply in order to get a benefit for

4418

02:39:56,150 --> 02:39:54,800

yourself i mean that's not morality that

4419

02:39:58,309 --> 02:39:56,160

is a kind of

4420

02:40:00,230 --> 02:39:58,319

yes a kind of selfishness and and it's

4421

02:40:00,950 --> 02:40:00,240

what we mean by hypocrisy you know where

4422

02:40:03,830 --> 02:40:00,960

people

4423

02:40:04,230 --> 02:40:03,840

say things and do things in order to

4424

02:40:06,740 --> 02:40:04,240

look

4425

02:40:08,630 --> 02:40:06,750

good and you know um

4426

02:40:10,469 --> 02:40:08,640

[Music]

4427

02:40:12,790 --> 02:40:10,479

sound like they're something that

4428

02:40:15,990 --> 02:40:12,800

they're not

4429

02:40:17,429 --> 02:40:16,000

okay daigo daigo pinto says his book the

4430

02:40:18,710 --> 02:40:17,439

master in his emissary is one of my

4431

02:40:20,150 --> 02:40:18,720

favorite books about the brain if you

4432

02:40:21,750 --> 02:40:20,160

could sneak in one of these questions

4433

02:40:23,990 --> 02:40:21,760

i'd be appreciated

4434

02:40:25,990 --> 02:40:24,000

he has five sorry he has four i'm going

4435

02:40:26,870 --> 02:40:26,000

to briefly outline them and then you can

4436

02:40:29,670 --> 02:40:26,880

answer one

4437

02:40:30,950 --> 02:40:29,680

or two if you like okay okay so he says

4438

02:40:32,630 --> 02:40:30,960

a section on the book that deals with

4439

02:40:34,070 --> 02:40:32,640

evolution of the solid self

4440

02:40:35,670 --> 02:40:34,080

though he uses in brackets that i'm

4441

02:40:37,269 --> 02:40:35,680

using these words

4442

02:40:38,389 --> 02:40:37,279

on my own here i'm not he didn't use

4443

02:40:40,309 --> 02:40:38,399

these words but there would be a

4444

02:40:42,309 --> 02:40:40,319

non-unified voice or several in an

4445

02:40:44,550 --> 02:40:42,319

individual which could be interpreted

4446

02:40:46,070 --> 02:40:44,560

as an outside other being and then you

4447

02:40:47,750 --> 02:40:46,080

make reference to mooses and the ancient

4448

02:40:49,429 --> 02:40:47,760

greeks or

4449

02:40:51,110 --> 02:40:49,439

and so on as hearing god's voice as an

4450

02:40:52,790 --> 02:40:51,120

example he said

4451
02:40:54,230 --> 02:40:52,800
could he elaborate on this and point out

4452
02:40:56,389 --> 02:40:54,240
other sources on the topic

4453
02:40:57,750 --> 02:40:56,399
that's number one okay so save that

4454
02:40:59,750 --> 02:40:57,760
maybe you want to respond to that

4455
02:41:01,190 --> 02:40:59,760
he'll number two he mentions that

4456
02:41:02,150 --> 02:41:01,200
language and the music have a common

4457
02:41:03,429 --> 02:41:02,160
ancestry

4458
02:41:04,550 --> 02:41:03,439
and then give some evidence for the

4459
02:41:05,990 --> 02:41:04,560
claim and i'd like to hear if he's

4460
02:41:08,230 --> 02:41:06,000
learned anything new since the

4461
02:41:11,030 --> 02:41:08,240
publication of this book

4462
02:41:11,750 --> 02:41:11,040
there's that okay so that's the other

4463
02:41:13,830 --> 02:41:11,760

voices

4464

02:41:15,590 --> 02:41:13,840

language and music then what are his

4465

02:41:15,990 --> 02:41:15,600

thoughts if any on chomsky versus like

4466

02:41:18,630 --> 02:41:16,000

off

4467

02:41:20,150 --> 02:41:18,640

ideas about language that's number three

4468

02:41:21,910 --> 02:41:20,160

and then number four

4469

02:41:25,030 --> 02:41:21,920

what does he think about objective truth

4470

02:41:28,309 --> 02:41:27,349

pretty much does that wow okay okay so

4471

02:41:29,910 --> 02:41:28,319

again to briefly

4472

02:41:31,590 --> 02:41:29,920

briefly outline the god and the other

4473

02:41:32,870 --> 02:41:31,600

voices that are internal but yes

4474

02:41:34,389 --> 02:41:32,880

perceived as such

4475

02:41:37,590 --> 02:41:34,399

number two is language and music and

4476
02:41:40,070 --> 02:41:37,600
then chomsky and then objective truth

4477
02:41:41,750 --> 02:41:40,080
well i think the first two i have

4478
02:41:44,309 --> 02:41:41,760
covered either in what i've said or in

4479
02:41:46,710 --> 02:41:44,319
the book actually to some extent

4480
02:41:47,590 --> 02:41:46,720
but the last two are both very big

4481
02:41:52,630 --> 02:41:47,600
questions

4482
02:41:58,230 --> 02:41:56,830
i very much think like lakehoff and

4483
02:42:02,950 --> 02:41:58,240
johnson

4484
02:42:07,590 --> 02:42:02,960
about language and i find

4485
02:42:09,990 --> 02:42:07,600
chomsky's views i may simply not have

4486
02:42:11,750 --> 02:42:10,000
given them the credit that's due to them

4487
02:42:14,070 --> 02:42:11,760
of course

4488
02:42:15,750 --> 02:42:14,080

but i i find them less attractive

4489

02:42:18,630 --> 02:42:15,760

because they seem more

4490

02:42:19,030 --> 02:42:18,640

um schematic more programmatic more like

4491

02:42:22,790 --> 02:42:19,040

the

4492

02:42:25,670 --> 02:42:22,800

hardware that does

4493

02:42:26,790 --> 02:42:25,680

certain things whereas i'm a great

4494

02:42:29,030 --> 02:42:26,800

believer in

4495

02:42:31,030 --> 02:42:29,040

what one might call the power of

4496

02:42:32,150 --> 02:42:31,040

imitation in humans and i spend quite a

4497

02:42:34,550 --> 02:42:32,160

lot of time on

4498

02:42:35,510 --> 02:42:34,560

the fact that humans are particularly

4499

02:42:39,349 --> 02:42:35,520

good

4500

02:42:42,070 --> 02:42:39,359

at imitating um

4501
02:42:43,269 --> 02:42:42,080
not not just um copying but actually

4502
02:42:46,550 --> 02:42:43,279
imitating

4503
02:42:47,349 --> 02:42:46,560
and getting into the skin of another

4504
02:42:49,830 --> 02:42:47,359
creature

4505
02:42:50,710 --> 02:42:49,840
or another person and feeling something

4506
02:42:53,269 --> 02:42:50,720
about

4507
02:42:54,469 --> 02:42:53,279
how they are and why they are doing and

4508
02:42:57,190 --> 02:42:54,479
saying what they're doing

4509
02:42:58,309 --> 02:42:57,200
so i think language grows in this way as

4510
02:43:02,150 --> 02:42:58,319
i i've said

4511
02:43:05,030 --> 02:43:02,160
from a sort of a basic

4512
02:43:06,230 --> 02:43:05,040
sense that is embodied profoundly

4513
02:43:09,990 --> 02:43:06,240

embodied in

4514

02:43:10,790 --> 02:43:10,000

in movement in the voice in in music in

4515

02:43:14,389 --> 02:43:10,800

the voice

4516

02:43:17,830 --> 02:43:14,399

and the the business of breath

4517

02:43:18,790 --> 02:43:17,840

and that it is not really an abstract

4518

02:43:21,910 --> 02:43:18,800

code

4519

02:43:23,590 --> 02:43:21,920

uh it can become that

4520

02:43:25,830 --> 02:43:23,600

but it actually i don't know that

4521

02:43:27,670 --> 02:43:25,840

chomsky gives enough credit

4522

02:43:29,510 --> 02:43:27,680

to the way in which language is

4523

02:43:33,269 --> 02:43:29,520

constantly

4524

02:43:35,429 --> 02:43:33,279

um metaphorizing embodied experience and

4525

02:43:38,870 --> 02:43:35,439

takeoff and johnson very much do

4526

02:43:42,150 --> 02:43:38,880

show how every everything we say

4527

02:43:43,990 --> 02:43:42,160

has a reference that is understandable

4528

02:43:45,590 --> 02:43:44,000

in terms of the body and we can't get

4529

02:43:49,349 --> 02:43:45,600

deeper than that in a way

4530

02:43:52,070 --> 02:43:49,359

than our embodied experience um

4531

02:43:54,389 --> 02:43:52,080

it's where as wittgenstein said i hit

4532

02:43:56,150 --> 02:43:54,399

bedrock and my spade is turned you know

4533

02:43:59,830 --> 02:43:56,160

one can't dig down any further but it's

4534

02:44:01,590 --> 02:43:59,840

from there that that language comes

4535

02:44:03,269 --> 02:44:01,600

and i'd i've got time just to say a

4536

02:44:07,110 --> 02:44:03,279

little bit about the objective thing do

4537

02:44:11,590 --> 02:44:09,750

annoyingly i'm going to yeah i'm going

4538

02:44:14,150 --> 02:44:11,600

to say yes and no

4539

02:44:16,150 --> 02:44:14,160

um and i think we do yes we do to a

4540

02:44:19,910 --> 02:44:16,160

degree have access to it

4541

02:44:21,670 --> 02:44:19,920

um i i think very importantly that like

4542

02:44:24,070 --> 02:44:21,680

many other things

4543

02:44:25,670 --> 02:44:24,080

it's a journey as it were not an arrival

4544

02:44:26,710 --> 02:44:25,680

i mean it's not something we get and

4545

02:44:29,750 --> 02:44:26,720

then we have it

4546

02:44:33,030 --> 02:44:29,760

it's a cast of mind or disposition

4547

02:44:37,590 --> 02:44:33,040

for exploring life in the world

4548

02:44:40,309 --> 02:44:37,600

which enables one to have more solid

4549

02:44:41,349 --> 02:44:40,319

grounds for believing what one believes

4550

02:44:47,110 --> 02:44:41,359

so

4551

02:44:48,389 --> 02:44:47,120

which is a you know a devastatingly

4552

02:44:51,429 --> 02:44:48,399

destructive idea

4553

02:44:53,030 --> 02:44:51,439

and a very silly one that anything that

4554

02:44:54,790 --> 02:44:53,040

anybody says

4555

02:44:58,830 --> 02:44:54,800

is equally true because there's no

4556

02:45:03,110 --> 02:45:01,030

um yeah it's almost

4557

02:45:05,190 --> 02:45:03,120

beneath rebuttal but it's so obviously

4558

02:45:08,070 --> 02:45:05,200

wrong you know if i believe that

4559

02:45:10,550 --> 02:45:08,080

as as social says that you that i can

4560

02:45:13,510 --> 02:45:10,560

walk out of the 22nd window of my

4561

02:45:14,150 --> 02:45:13,520

apartment sec 22nd floor window of my

4562

02:45:17,190 --> 02:45:14,160

apartment

4563

02:45:18,389 --> 02:45:17,200

and survive on landing i'm wrong um or

4564

02:45:22,070 --> 02:45:18,399

very likely to be so

4565

02:45:25,590 --> 02:45:22,080

um on the other hand

4566

02:45:30,150 --> 02:45:25,600

it's not at all true that there's a

4567

02:45:33,429 --> 02:45:30,160

a single truth that is the truth because

4568

02:45:35,510 --> 02:45:33,439

all truths are contextual

4569

02:45:37,429 --> 02:45:35,520

and that doesn't mean that every context

4570

02:45:39,910 --> 02:45:37,439

renders it completely different

4571

02:45:41,750 --> 02:45:39,920

there are trends and for me the

4572

02:45:43,510 --> 02:45:41,760

important thing is to see that the path

4573

02:45:46,550 --> 02:45:43,520

to truth is not a line

4574

02:45:48,309 --> 02:45:46,560

but a matter of circling or spiraling so

4575

02:45:49,750 --> 02:45:48,319

the important thing is not to say

4576

02:45:51,349 --> 02:45:49,760

i've taken this step now the next

4577

02:45:53,190 --> 02:45:51,359

logical step is this and at the end of

4578

02:45:54,550 --> 02:45:53,200

the road there will be truth

4579

02:45:56,550 --> 02:45:54,560

you might even say well i know i'll

4580

02:45:58,150 --> 02:45:56,560

never get there that's true but you know

4581

02:45:58,950 --> 02:45:58,160

at least i can see exactly where i'm

4582

02:46:00,790 --> 02:45:58,960

going

4583

02:46:03,670 --> 02:46:00,800

but i'm not sure that truth is of this

4584

02:46:05,670 --> 02:46:03,680

kind i think truth is of the kind

4585

02:46:08,710 --> 02:46:05,680

where you you look at something from as

4586

02:46:10,710 --> 02:46:08,720

many different viewpoints as you can

4587

02:46:12,710 --> 02:46:10,720

and when you hear somebody say something

4588

02:46:13,190 --> 02:46:12,720

else about it you don't just rule it out

4589

02:46:15,429 --> 02:46:13,200

and

4590

02:46:16,630 --> 02:46:15,439

you know dismiss it you think now let me

4591

02:46:19,110 --> 02:46:16,640

search for what's

4592

02:46:21,110 --> 02:46:19,120

the truth in that because there are

4593

02:46:23,110 --> 02:46:21,120

aspects of truth in it

4594

02:46:24,309 --> 02:46:23,120

and i sometimes quote done on this the

4595

02:46:27,110 --> 02:46:24,319

poet john dunn

4596

02:46:28,950 --> 02:46:27,120

17th century english poet one of our

4597

02:46:32,070 --> 02:46:28,960

great poets who who says

4598

02:46:34,389 --> 02:46:32,080

words the effect that truth is

4599

02:46:35,910 --> 02:46:34,399

like a castle that stands on a steep and

4600

02:46:38,469 --> 02:46:35,920

cragged hill

4601
02:46:39,590 --> 02:46:38,479
and who wants to arrive at it doesn't go

4602
02:46:41,990 --> 02:46:39,600
straight up

4603
02:46:44,230 --> 02:46:42,000
but has to circle round the hill to get

4604
02:46:46,710 --> 02:46:44,240
there and that image is a very useful

4605
02:46:49,110 --> 02:46:46,720
one to bear in mind in fact i return to

4606
02:46:50,710 --> 02:46:49,120
the image of the spiral path

4607
02:46:52,070 --> 02:46:50,720
in which it's not exactly a circle which

4608
02:46:52,950 --> 02:46:52,080
means that you just end up where you

4609
02:46:54,870 --> 02:46:52,960
were when you

4610
02:46:57,429 --> 02:46:54,880
when you when you when you get round the

4611
02:47:00,389 --> 02:46:57,439
circle but actually a spiral

4612
02:47:02,150 --> 02:47:00,399
whereby you were you you've come to

4613
02:47:03,670 --> 02:47:02,160

somewhere like where you were before but

4614

02:47:05,750 --> 02:47:03,680

the view is now different

4615

02:47:07,349 --> 02:47:05,760

a little bit like dias eliot's famous

4616

02:47:08,070 --> 02:47:07,359

thing about arriving where we started

4617

02:47:10,630 --> 02:47:08,080

from but

4618

02:47:13,269 --> 02:47:10,640

knowing it for the first time and and so

4619

02:47:15,990 --> 02:47:13,279

i think life is a series of these things

4620

02:47:17,830 --> 02:47:16,000

and the path of objective truth is to

4621

02:47:20,790 --> 02:47:17,840

commit yourself to this

4622

02:47:22,550 --> 02:47:20,800

process of spiraling around and learning

4623

02:47:24,630 --> 02:47:22,560

as much as you can about it and knowing

4624

02:47:26,790 --> 02:47:24,640

you'll never get the absolute truth

4625

02:47:28,710 --> 02:47:26,800

but you can get much much closer to

4626

02:47:32,710 --> 02:47:28,720

truth and that matters very much

4627

02:47:34,070 --> 02:47:32,720

so truth matters and it is not the case

4628

02:47:34,950 --> 02:47:34,080

that you know well i just see it

4629

02:47:37,349 --> 02:47:34,960

differently so

4630

02:47:38,469 --> 02:47:37,359

my truth's as good as yours your truth

4631

02:47:40,150 --> 02:47:38,479

may be as good as mine

4632

02:47:42,550 --> 02:47:40,160

it may be better than mine but it may

4633

02:47:44,950 --> 02:47:42,560

equally by the same token be worse

4634

02:47:46,150 --> 02:47:44,960

so you know there is meaning to this

4635

02:47:48,790 --> 02:47:46,160

idea

4636

02:47:49,349 --> 02:47:48,800

a very important meaning to it and i do

4637

02:47:50,950 --> 02:47:49,359

find

4638

02:47:52,550 --> 02:47:50,960

earphones very funny i don't know

4639

02:47:53,910 --> 02:47:52,560

something about my ears but they always

4640

02:47:57,269 --> 02:47:53,920

keep flopping out

4641

02:48:00,550 --> 02:47:57,279

um anyway there we are um

4642

02:48:04,309 --> 02:48:00,560

that's that thank you that's the sir

4643

02:48:06,150 --> 02:48:04,319

i appreciate it you should read

4644

02:48:08,870 --> 02:48:06,160

just as we go you should read this book

4645

02:48:10,710 --> 02:48:08,880

by douglas hofstetter your

4646

02:48:12,150 --> 02:48:10,720

your chapter on imitation reminded me of

4647

02:48:14,309 --> 02:48:12,160

it it's called surfaces and essences

4648

02:48:17,269 --> 02:48:14,319

it's about analogy

4649

02:48:17,990 --> 02:48:17,279

okay uh is that in the mind's eye or is

4650

02:48:21,110 --> 02:48:18,000

what is that

4651
02:48:23,110 --> 02:48:21,120
no no no it's it's all own book it's a

4652
02:48:24,950 --> 02:48:23,120
huge book just about how analogy is the

4653
02:48:28,150 --> 02:48:24,960
core of cognition

4654
02:48:29,590 --> 02:48:28,160
even the fact that when we imitate

4655
02:48:32,070 --> 02:48:29,600
he i don't believe he uses the word

4656
02:48:33,030 --> 02:48:32,080
memes but susan blackwell even points

4657
02:48:35,110 --> 02:48:33,040
this out that

4658
02:48:37,190 --> 02:48:35,120
blackmoore points it out that to imitate

4659
02:48:39,429 --> 02:48:37,200
is extremely complex

4660
02:48:40,550 --> 02:48:39,439
to copy is right but to imitate is

4661
02:48:43,510 --> 02:48:40,560
complex

4662
02:48:45,190 --> 02:48:43,520
you have to take the essence of it yes

4663
02:48:48,389 --> 02:48:45,200

no that's exactly right

4664

02:48:50,150 --> 02:48:48,399

and what's also nice about it is that

4665

02:48:51,750 --> 02:48:50,160

again the right hemisphere is better at

4666

02:48:52,950 --> 02:48:51,760

this business of getting into the skin

4667

02:48:55,349 --> 02:48:52,960

of somebody else and

4668

02:48:57,349 --> 02:48:55,359

understanding the complexity of it but

4669

02:48:59,510 --> 02:48:57,359

it is also

4670

02:49:01,190 --> 02:48:59,520

the one that thinks that understanding

4671

02:49:04,070 --> 02:49:01,200

is analogy

4672

02:49:06,070 --> 02:49:04,080

so that these when i talked about

4673

02:49:09,830 --> 02:49:06,080

mathematicians and scientists

4674

02:49:12,389 --> 02:49:09,840

having a sense of a form and

4675

02:49:14,790 --> 02:49:12,399

and then finding that through a

4676

02:49:18,150 --> 02:49:14,800

revelation or intuitional

4677

02:49:18,870 --> 02:49:18,160

insight they saw the solution to a

4678

02:49:22,070 --> 02:49:18,880

problem

4679

02:49:24,070 --> 02:49:22,080

that was by analogy not by going

4680

02:49:25,990 --> 02:49:24,080

well i'm nine tenths of the way there

4681

02:49:28,389 --> 02:49:26,000

down this path and if i just do a few

4682

02:49:30,389 --> 02:49:28,399

more pages of work i have reached it

4683

02:49:32,309 --> 02:49:30,399

nothing is an understanding in that way

4684

02:49:33,750 --> 02:49:32,319

we don't just gradually work our way

4685

02:49:36,790 --> 02:49:33,760

along a line

4686

02:49:39,750 --> 02:49:36,800

we we have to see and feel

4687

02:49:41,190 --> 02:49:39,760

analogies and this is how einstein

4688

02:49:43,190 --> 02:49:41,200

described his own

4689

02:49:44,950 --> 02:49:43,200

discoveries that he would play a piece

4690

02:49:46,230 --> 02:49:44,960

of music and he would ponder about it

4691

02:49:47,110 --> 02:49:46,240

then he'd get up from the piano and go

4692

02:49:49,429 --> 02:49:47,120

i've got it

4693

02:49:51,670 --> 02:49:49,439

and or at least his daughter i think

4694

02:49:53,910 --> 02:49:51,680

describes him in this way

4695

02:49:55,510 --> 02:49:53,920

so and he always said you know that i

4696

02:49:58,070 --> 02:49:55,520

don't think in words i think

4697

02:49:58,870 --> 02:49:58,080

in musical forms and muscular movements

4698

02:50:02,150 --> 02:49:58,880

well

4699

02:50:03,349 --> 02:50:02,160

how remarkable is that so anyway we

4700

02:50:06,389 --> 02:50:03,359

we've we've talked

4701

02:50:08,950 --> 02:50:06,399

an awful lot um

4702

02:50:10,710 --> 02:50:08,960

and have a drink get some rest well for

4703

02:50:13,830 --> 02:50:10,720

you i don't know what time it is

4704

02:50:15,429 --> 02:50:13,840

i got the chomsky itself it's a little

4705

02:50:17,269 --> 02:50:15,439

early for a drink for me but i'll get

4706

02:50:19,110 --> 02:50:17,279

onto it in due course and drink your

4707

02:50:20,870 --> 02:50:19,120

your very great health and i look

4708

02:50:22,389 --> 02:50:20,880

forward to talking again

4709

02:50:24,070 --> 02:50:22,399

perhaps in the year when you've had a

4710

02:50:25,429 --> 02:50:24,080

chance to take a look at the matter with

4711

02:50:27,910 --> 02:50:25,439

things yeah

4712

02:50:29,030 --> 02:50:27,920

thank you so much i keep wanting to call

4713

02:50:30,469 --> 02:50:29,040

you professor i was surprised that you

4714

02:50:34,150 --> 02:50:30,479

weren't a professor because

4715

02:50:37,030 --> 02:50:34,160

the the corpus of your of

4716

02:50:39,030 --> 02:50:37,040

of mastering its emissary is it's a huge

4717

02:50:42,950 --> 02:50:39,040

intellectual achievement

4718

02:50:46,309 --> 02:50:42,960

well i i'm a maverick and um

4719

02:50:50,389 --> 02:50:46,319

uh jung and freud were um doctors

4720

02:50:51,910 --> 02:50:50,399

uh i'm a doctor i like that real

4721

02:50:54,389 --> 02:50:51,920

my wife liked the advice that you said

4722

02:50:54,950 --> 02:50:54,399

about me taking some time off and having

4723

02:50:57,110 --> 02:50:54,960

a break

4724

02:50:58,309 --> 02:50:57,120

so we're likely going to do that after

4725

02:51:01,510 --> 02:50:58,319

the chomsky interview

4726

02:51:03,190 --> 02:51:01,520

okay have a great day very good i want

4727

02:51:04,309 --> 02:51:03,200

the audience to look up okay first of

4728

02:51:05,990 --> 02:51:04,319

all where can they find out more about

4729

02:51:10,030 --> 02:51:06,000

you

4730

02:51:12,309 --> 02:51:10,040

uh the best places to go is um

4731

02:51:13,190 --> 02:51:12,319

channelmcgilchrist.com uh which you can

4732

02:51:16,469 --> 02:51:13,200

just put in a

4733

02:51:21,429 --> 02:51:16,479

as an url or you can google my name it

4734

02:51:24,550 --> 02:51:23,990

the main book of my thinking is the one

4735

02:51:27,190 --> 02:51:24,560

that you

4736

02:51:28,870 --> 02:51:27,200

referred to but in the next few months

4737

02:51:31,190 --> 02:51:28,880

i'm publishing

4738

02:51:32,150 --> 02:51:31,200

a very large book which is my attempt to

4739

02:51:34,870 --> 02:51:32,160

explain why

4740

02:51:36,389 --> 02:51:34,880

the whole way we think about ourselves

4741

02:51:39,670 --> 02:51:36,399

nature

4742

02:51:41,510 --> 02:51:39,680

the cosmos and reality is mistaken and

4743

02:51:43,670 --> 02:51:41,520

it's based heavily on the hemisphere

4744

02:51:45,910 --> 02:51:43,680

hypothesis

4745

02:51:47,910 --> 02:51:45,920

and i think it shows a way in which we

4746

02:51:51,349 --> 02:51:47,920

could go forward in the world

4747

02:51:55,110 --> 02:51:51,359

and flourish and survive rather than

4748

02:51:57,429 --> 02:51:55,120

come to um a disastrous end

4749

02:51:58,630 --> 02:51:57,439

so there we are i'd love to talk to you

4750

02:52:00,469 --> 02:51:58,640

again one day but uh

4751
02:52:02,150 --> 02:52:00,479
right now i'm gonna go and have a drink

4752
02:52:03,990 --> 02:52:02,160
okay go ahead go have a drink

4753
02:52:06,070 --> 02:52:04,000
at some point i did want to ask you

4754
02:52:07,590 --> 02:52:06,080
about cognitive behavioral therapy for

4755
02:52:08,790 --> 02:52:07,600
what i was going through but what i am

4756
02:52:10,070 --> 02:52:08,800
going through like i want to know should

4757
02:52:11,990 --> 02:52:10,080
i just be out of nature more

4758
02:52:14,630 --> 02:52:12,000
should i listen to more music i

4759
02:52:16,550 --> 02:52:14,640
definitely gonna stop or try my best to

4760
02:52:20,150 --> 02:52:16,560
stop being so self-conscious

4761
02:52:21,990 --> 02:52:20,160
and and let's say left brain i think

4762
02:52:24,389 --> 02:52:22,000
i think being able to be mindful being

4763
02:52:26,309 --> 02:52:24,399

out in nature listening to music

4764

02:52:28,230 --> 02:52:26,319

slowing down and doing precisely what

4765

02:52:29,750 --> 02:52:28,240

your left hand is telling you mustn't do

4766

02:52:31,830 --> 02:52:29,760

which is waste time

4767

02:52:33,750 --> 02:52:31,840

would be a terribly good idea i mean i

4768

02:52:35,510 --> 02:52:33,760

think that's such a destructive idea

4769

02:52:36,790 --> 02:52:35,520

that time is a resource it's typical

4770

02:52:39,429 --> 02:52:36,800

left hemisphere

4771

02:52:40,630 --> 02:52:39,439

idea that time is money as jeremy

4772

02:52:44,150 --> 02:52:40,640

bentham a man with

4773

02:52:45,830 --> 02:52:44,160

no right hemisphere detectable um to the

4774

02:52:50,710 --> 02:52:45,840

human eye

4775

02:52:53,110 --> 02:52:50,720

sad and it's this idea that we husband

4776
02:52:54,950 --> 02:52:53,120
time as material and the more we do that

4777
02:52:56,870 --> 02:52:54,960
the less time we have the more hurried

4778
02:52:58,469 --> 02:52:56,880
we are the less we inhabit the world at

4779
02:53:01,110 --> 02:52:58,479
all and then we die

4780
02:53:02,150 --> 02:53:01,120
so i think it's a very good idea to slow

4781
02:53:05,830 --> 02:53:02,160
down

4782
02:53:06,790 --> 02:53:05,840
and to learn to listen and not to be too

4783
02:53:08,790 --> 02:53:06,800
active

4784
02:53:10,070 --> 02:53:08,800
i mean i don't always take my own advice

4785
02:53:11,670 --> 02:53:10,080
i have to say yeah

4786
02:53:13,750 --> 02:53:11,680
well you're i don't know how you were

4787
02:53:15,190 --> 02:53:13,760
able to do that i

4788
02:53:17,190 --> 02:53:15,200

i have no idea how you were able to come

4789

02:53:17,750 --> 02:53:17,200

up with that book it you know 14 years

4790

02:53:20,389 --> 02:53:17,760

sounds like

4791

02:53:21,990 --> 02:53:20,399

quite a long time but as i have done my

4792

02:53:23,590 --> 02:53:22,000

own research

4793

02:53:25,190 --> 02:53:23,600

i feel like in 14 years i would have

4794

02:53:27,590 --> 02:53:25,200

come up with 20

4795

02:53:29,750 --> 02:53:27,600

of what you came up with so that's a

4796

02:53:31,830 --> 02:53:29,760

tour de force man

4797

02:53:32,950 --> 02:53:31,840

well i sometimes think the mice came in

4798

02:53:36,150 --> 02:53:32,960

the night and

4799

02:53:38,790 --> 02:53:36,160

wrote it for me yeah

4800

02:53:39,349 --> 02:53:38,800

okay thank you so much thank you please

4801
02:53:41,990 --> 02:53:39,359
get some

4802
02:53:42,469 --> 02:53:42,000
rest have a drink i i feel like in many

4803
02:53:44,230 --> 02:53:42,479
ways

4804
02:53:46,630 --> 02:53:44,240
this podcast is killing me because i

4805
02:53:47,349 --> 02:53:46,640
planned so i have so many pages here i

4806
02:53:50,070 --> 02:53:47,359
go

4807
02:53:51,190 --> 02:53:50,080
through such lengths to for each guest

4808
02:53:53,750 --> 02:53:51,200
but we can

4809
02:53:54,790 --> 02:53:53,760
hey we can do this again if you don't

4810
02:53:57,269 --> 02:53:54,800
mind i would

4811
02:53:57,990 --> 02:53:57,279
i would love to i don't want to i you're

4812
02:54:00,309 --> 02:53:58,000
too kind

4813
02:54:02,230 --> 02:54:00,319

i truly work yeah no no look what about

4814

02:54:05,030 --> 02:54:02,240

we do it again in say a year's time my

4815

02:54:06,389 --> 02:54:05,040

book will have come out you can yes yeah

4816

02:54:08,469 --> 02:54:06,399

we'll have another go that would be

4817

02:54:10,150 --> 02:54:08,479

great yeah great great okay where are

4818

02:54:11,990 --> 02:54:10,160

you by the way are you in l.a or what

4819

02:54:15,190 --> 02:54:12,000

i'm in toronto

4820

02:54:17,590 --> 02:54:15,200

toronto ah yes that's right

4821

02:54:18,950 --> 02:54:17,600

because yes because you said i i

4822

02:54:20,710 --> 02:54:18,960

attended the

4823

02:54:24,230 --> 02:54:20,720

the first showing of the film which and

4824

02:54:29,349 --> 02:54:26,950

somebody had some sound engineer got a

4825

02:54:31,030 --> 02:54:29,359

very red face afterwards with it

4826
02:54:32,389 --> 02:54:31,040
yeah yeah that's right we could barely

4827
02:54:34,469 --> 02:54:32,399
hear you and i think

4828
02:54:35,940 --> 02:54:34,479
peterson had to talk to you over her

4829
02:54:37,830 --> 02:54:35,950
phone

4830
02:54:40,150 --> 02:54:37,840
[Laughter]

4831
02:54:42,550 --> 02:54:40,160
all right then love you too being your

4832
02:54:43,590 --> 02:54:42,560
guest thank you very much

4833
02:54:45,429 --> 02:54:43,600
again it was a pleasure it was a

4834
02:54:46,710 --> 02:54:45,439
pleasure thank you i honestly mean it

4835
02:54:47,269 --> 02:54:46,720
like your book is life changing at least

4836
02:54:49,990 --> 02:54:47,279
for me

4837
02:54:50,710 --> 02:54:50,000
and i think slowly it's going to dawn on

4838
02:54:52,150 --> 02:54:50,720

me or

4839

02:54:54,710 --> 02:54:52,160
the realizations that you've just

4840

02:54:56,389 --> 02:54:54,720
incepted or implanted thank you

4841

02:54:58,070 --> 02:54:56,399
thank you very much hopefully it's not

4842

02:55:01,110 --> 02:54:58,080
too destabilizing for me well

4843

02:55:01,349 --> 02:55:01,120
oh the very best have a great one thank

4844

02:55:03,510 --> 02:55:01,359
you

4845

02:55:05,190 --> 02:55:03,520
okay i'll try and be more embodied i'll

4846

02:55:06,710 --> 02:55:05,200
try my best because i don't i definitely

4847

02:55:08,790 --> 02:55:06,720
don't want to hear voices