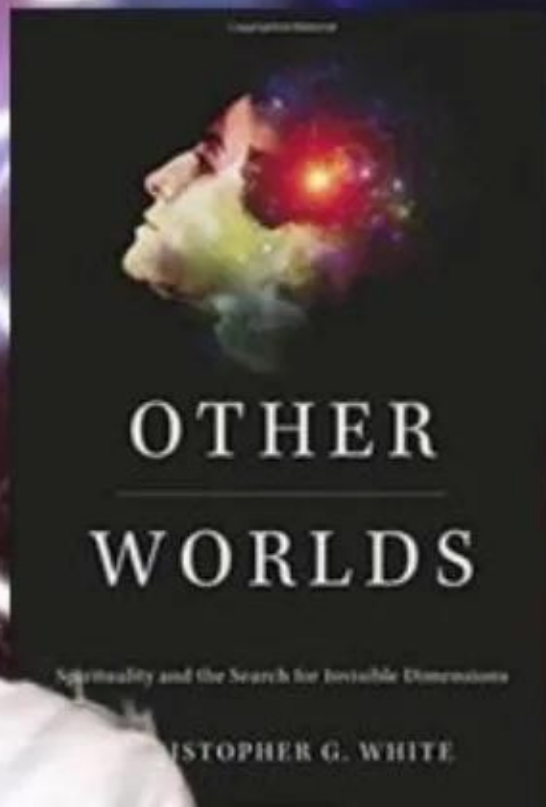


Chris White

Skeptiko 402



Skeptiko Topics:

Consciousness Science
Parapsychology
Near-Death Experience
Spirituality
Skeptics/Skepticism
Psi
Psychics & Mediums
Atheism
UFO
Neuroscience
Conspiracy Theories
Contactee Experience
OBE

1
00:00:15,470 --> 00:00:11,860
these dreams like thinking weird things

2
00:00:17,660 --> 00:00:15,480
what sorts of things if you watch any

3
00:00:20,540 --> 00:00:17,670
popular TV shows or movies about the

4
00:00:23,599 --> 00:00:20,550
future of technology like this clip from

5
00:00:35,360 --> 00:00:23,609
Netflix is Black Mirror you know the

6
00:00:38,180 --> 00:00:35,370
future and you know it's not very good

7
00:00:41,840 --> 00:00:38,190
today's guest looks past the dystopia

8
00:00:43,310 --> 00:00:41,850
and sees something else where you're

9
00:00:45,830 --> 00:00:43,320
going and reaching towards with the

10
00:00:49,100 --> 00:00:45,840
shared near-death experience in Raymond

11
00:00:51,200 --> 00:00:49,110
moody in the higher-order geometry is

12
00:00:54,590 --> 00:00:51,210
there the possibility to actually

13
00:00:57,229 --> 00:00:54,600

imagine a higher ordered science that

14

00:01:00,110 --> 00:00:57,239

already exists and then where does that

15

00:01:01,880 --> 00:01:00,120

take us there maybe I mean certainly one

16

00:01:03,529 --> 00:01:01,890

thing that you find when you study the

17

00:01:06,020 --> 00:01:03,539

history of science in the last hundred

18

00:01:07,700 --> 00:01:06,030

50 years is that you know scientists

19

00:01:09,649 --> 00:01:07,710

have been you know pretty committed to

20

00:01:11,600 --> 00:01:09,659

police policing the boundaries of their

21

00:01:15,380 --> 00:01:11,610

disciplines and one thing that they rule

22

00:01:17,210 --> 00:01:15,390

out is any kind of philosophical or even

23

00:01:18,560 --> 00:01:17,220

spiritual reflection right you see that

24

00:01:21,200 --> 00:01:18,570

in my first book that I mentioned

25

00:01:24,050 --> 00:01:21,210

earlier it looked pretty closely at the

26

00:01:26,899 --> 00:01:24,060

history of social sciences you know

27

00:01:28,789 --> 00:01:26,909

sociology psychology psychiatry sciences

28

00:01:30,530 --> 00:01:28,799

of mind and brain and one thing that the

29

00:01:33,050 --> 00:01:30,540

founders of the those disciplines really

30

00:01:37,010 --> 00:01:33,060

work hard at is you know squeezing out

31

00:01:38,840 --> 00:01:37,020

any any mention of any kind of spiritual

32

00:01:40,399 --> 00:01:38,850

thing or any even philosophical

33

00:01:43,190 --> 00:01:40,409

questions and you know maybe you're

34

00:01:45,679 --> 00:01:43,200

right that in the future when scientists

35

00:01:48,469 --> 00:01:45,689

and social scientists are less allergic

36

00:01:50,810 --> 00:01:48,479

to or less afraid of thinking about

37

00:01:52,969 --> 00:01:50,820

these other orders of existence or

38

00:01:54,740 --> 00:01:52,979

thinking about spirit maybe that opens

39

00:01:57,139 --> 00:01:54,750

up a whole new way of thinking about and

40

00:01:59,569 --> 00:01:57,149

doing science so I really enjoyed having

41

00:02:01,580 --> 00:01:59,579

dr. Chris White on skeptic oh today and

42

00:02:03,789 --> 00:02:01,590

we talked about other topics like how

43

00:02:06,929 --> 00:02:03,799

much of this dark dark dystopic

44

00:02:09,389 --> 00:02:06,939

apocalyptic science stuff

45

00:02:12,630 --> 00:02:09,399

socially engineered is designed to make

46

00:02:15,030 --> 00:02:12,640

us feel even more isolated afraid alone

47

00:02:18,900 --> 00:02:15,040

it certainly keeps us away from any kind

48

00:02:20,100 --> 00:02:18,910

of deeper examination of spirituality so

49

00:02:22,470 --> 00:02:20,110

it's a great chat from a very

50

00:02:25,770 --> 00:02:22,480

distinguished and deep thinker stick

51
00:02:33,699 --> 00:02:25,780
around for my interview with Chris white

52
00:02:37,069 --> 00:02:33,709
[Music]

53
00:02:39,559 --> 00:02:37,079
today we welcome dr. Christopher G white

54
00:02:42,979 --> 00:02:39,569
- skeptic oh he's here to talk about his

55
00:02:46,610 --> 00:02:42,989
new book other worlds spirituality and

56
00:02:48,770 --> 00:02:46,620
the search for invisible dimensions now

57
00:02:51,229 --> 00:02:48,780
I don't usually read a lot of book

58
00:02:53,990 --> 00:02:51,239
blurbs on this show but this is a really

59
00:02:55,280 --> 00:02:54,000
good one so let me read this in because

60
00:02:58,429 --> 00:02:55,290
it'll give you an idea where he's coming

61
00:03:01,099 --> 00:02:58,439
from for a long time people have argued

62
00:03:04,550 --> 00:03:01,109
that the rise of science has caused the

63
00:03:06,729 --> 00:03:04,560

decline of religion other worlds this

64

00:03:09,470 --> 00:03:06,739

book presents a different perspective

65

00:03:13,149 --> 00:03:09,480

showing that modern Europeans and

66

00:03:16,030 --> 00:03:13,159

Americans often use scientific ideas in

67

00:03:19,220 --> 00:03:16,040

imaginative ways to develop new

68

00:03:21,920 --> 00:03:19,230

enchanted views of nature the book

69

00:03:24,890 --> 00:03:21,930

examines the history and imaginative

70

00:03:27,439 --> 00:03:24,900

power of one scientific idea in

71

00:03:29,990 --> 00:03:27,449

particular an idea that has been crucial

72

00:03:32,449 --> 00:03:30,000

to modern physics as well as modern

73

00:03:36,460 --> 00:03:32,459

science fiction and that is the idea

74

00:03:39,559 --> 00:03:36,470

that the universe has a higher invisible

75

00:03:42,289 --> 00:03:39,569

dimension very very nice I should also

76

00:03:44,509 --> 00:03:42,299

mention real quickly that Chris I'm

77

00:03:46,999 --> 00:03:44,519

gonna call him Chris here has a PhD from

78

00:03:48,890 --> 00:03:47,009

Harvard and his professor and chair of

79

00:03:51,110 --> 00:03:48,900

religion at Vassar one of the top

80

00:03:53,179 --> 00:03:51,120

liberal arts colleges in the United

81

00:03:55,550 --> 00:03:53,189

States so in other words he's a really

82

00:03:57,289 --> 00:03:55,560

really smart guy but you would have

83

00:03:59,449 --> 00:03:57,299

figured that out anyway as we go along

84

00:04:01,670 --> 00:03:59,459

but it's great to have you here Chris

85

00:04:03,229 --> 00:04:01,680

thanks for joining me thanks for that

86

00:04:05,449 --> 00:04:03,239

introduction Alex you really you really

87

00:04:07,309 --> 00:04:05,459

you know raising expectations for your

88

00:04:08,809 --> 00:04:07,319

listening audience here so I don't know

89

00:04:12,050 --> 00:04:08,819

hopefully I won't disappoint well let's

90

00:04:14,330 --> 00:04:12,060

see how it goes okay okay I don't think

91

00:04:17,180 --> 00:04:14,340

you will you you have a terrific book

92

00:04:20,300 --> 00:04:17,190

here and I really like you yeah well

93

00:04:22,339 --> 00:04:20,310

written you're covering a topic that you

94

00:04:26,870 --> 00:04:22,349

know a lot of people probably expect

95

00:04:28,670 --> 00:04:26,880

either find very superficial or Laden

96

00:04:29,749 --> 00:04:28,680

down with a lot of academic stuff and

97

00:04:31,580 --> 00:04:29,759

you don't fall in either one of those

98

00:04:34,100 --> 00:04:31,590

it's really light and it carries a

99

00:04:36,740 --> 00:04:34,110

lightness about spirituality with it

100

00:04:39,050 --> 00:04:36,750

that is great good yeah no I'm glad you

101
00:04:40,459 --> 00:04:39,060
like that I am I definitely worked hard

102
00:04:42,320 --> 00:04:40,469
on it you know there's there's a lot of

103
00:04:43,219 --> 00:04:42,330
pieces to put in together a book you

104
00:04:45,390 --> 00:04:43,229
know you got to get all the information

105
00:04:47,640 --> 00:04:45,400
and do the research and then

106
00:04:49,500 --> 00:04:47,650
write it up and try to write it up in an

107
00:04:51,659 --> 00:04:49,510
interesting way and like you say you

108
00:04:53,580 --> 00:04:51,669
know I tried to make it a book for

109
00:04:54,870 --> 00:04:53,590
students and for scholars and for

110
00:04:56,610 --> 00:04:54,880
everyone else who wants to read about

111
00:04:58,400 --> 00:04:56,620
sort of higher dimensions and how

112
00:05:01,379 --> 00:04:58,410
they're changing how we think about

113
00:05:03,060 --> 00:05:01,389

spirituality so yeah it was it was it

114

00:05:05,129 --> 00:05:03,070

took a few years to do it but but I had

115

00:05:06,810 --> 00:05:05,139

fun with it for sure well I want to let

116

00:05:08,250 --> 00:05:06,820

people know that we're gonna talk about

117

00:05:10,590 --> 00:05:08,260

the book and I really want people to

118

00:05:12,719 --> 00:05:10,600

check out the book listeners of this

119

00:05:15,659 --> 00:05:12,729

show I think will really really like it

120

00:05:18,029 --> 00:05:15,669

but you've also opened yourself up and

121

00:05:20,490 --> 00:05:18,039

are willing to kind of have a more free

122

00:05:22,020 --> 00:05:20,500

ranging discussion because that's really

123

00:05:25,590 --> 00:05:22,030

what skeptical is about is kind of

124

00:05:27,450 --> 00:05:25,600

trying to figure out how you're a really

125

00:05:30,570 --> 00:05:27,460

smart guy like you how your work fits

126

00:05:32,580 --> 00:05:30,580

into these larger questions of who are

127

00:05:34,740 --> 00:05:32,590

we and why are we here and and how it

128

00:05:37,590 --> 00:05:34,750

fits into the other topics we've

129

00:05:39,600 --> 00:05:37,600

explored so that's really terrific that

130

00:05:40,830 --> 00:05:39,610

you're willing to do that but absolutely

131

00:05:43,020 --> 00:05:40,840

yeah thanks

132

00:05:45,029 --> 00:05:43,030

here are a couple of leadoff questions

133

00:05:47,580 --> 00:05:45,039

you're a science and spirituality guy

134

00:05:51,390 --> 00:05:47,590

and I am too

135

00:05:55,050 --> 00:05:51,400

so here's question what's something

136

00:05:56,219 --> 00:05:55,060

you've learned from science that's

137

00:05:57,930 --> 00:05:56,229

changed your life

138

00:06:00,120 --> 00:05:57,940

yeah well that's actually a really good

139

00:06:02,190 --> 00:06:00,130

question to start this discussion with

140

00:06:04,110 --> 00:06:02,200

because in some ways you know it's sort

141

00:06:06,450 --> 00:06:04,120

of science and my reading of science and

142

00:06:08,820 --> 00:06:06,460

popular science that that started me

143

00:06:10,650 --> 00:06:08,830

thinking about the book you know I'm you

144

00:06:12,930 --> 00:06:10,660

know in the book I talk a lot about you

145

00:06:15,060 --> 00:06:12,940

know the ways in which modern people who

146

00:06:17,610 --> 00:06:15,070

call themselves spiritual or spiritual

147

00:06:20,159 --> 00:06:17,620

but not religious are getting you know a

148

00:06:22,260 --> 00:06:20,169

renewed sense of awe and wonder by

149

00:06:23,730 --> 00:06:22,270

thinking about nature and I think I'm in

150

00:06:27,240 --> 00:06:23,740

that category too you know I think that

151

00:06:29,430 --> 00:06:27,250

that's where I begin my reflections in

152

00:06:31,710 --> 00:06:29,440

the book and and I began my research in

153

00:06:33,540 --> 00:06:31,720

the book so you know I think I get that

154

00:06:35,580 --> 00:06:33,550

sense right when I watch a science

155

00:06:37,379 --> 00:06:35,590

documentary or when I read one of Brian

156

00:06:40,379 --> 00:06:37,389

Greene's books he's a physicist at

157

00:06:41,879 --> 00:06:40,389

Columbia University and he wrote fabric

158

00:06:43,740 --> 00:06:41,889

of the cosmos and a couple other books

159

00:06:45,420 --> 00:06:43,750

about the multiverse and then he's also

160

00:06:49,260 --> 00:06:45,430

you know you can google him and watch

161

00:06:51,029 --> 00:06:49,270

his documentary on YouTube YouTube um so

162

00:06:53,120 --> 00:06:51,039

but you know and he has that same sort

163

00:06:56,399 --> 00:06:53,130

of sense of sort of awe and wonder at

164

00:06:58,380 --> 00:06:56,409

how amazing and how big and how

165

00:06:59,200 --> 00:06:58,390

mysterious the the universe of the

166

00:07:01,150 --> 00:06:59,210

multiverse

167

00:07:02,560 --> 00:07:01,160

and so I think that in some ways I kind

168

00:07:05,499 --> 00:07:02,570

of started with that and I think science

169

00:07:07,420 --> 00:07:05,509

has given me that and it's not unlike a

170

00:07:10,060 --> 00:07:07,430

number of people in my book like CS

171

00:07:11,590 --> 00:07:10,070

Lewis or Madeleine L'Engle or mint many

172

00:07:14,680 --> 00:07:11,600

other people in any other chapters who

173

00:07:17,830 --> 00:07:14,690

kind of get rien santa dword view really

174

00:07:21,010 --> 00:07:17,840

from what i'm calling like fantastic

175

00:07:23,050 --> 00:07:21,020

scientific concepts so in some ways the

176

00:07:26,350 --> 00:07:23,060

book is biographical or autobiographical

177

00:07:29,620 --> 00:07:26,360

in that way you know that's awesome was

178

00:07:31,120 --> 00:07:29,630

there any specific scientific discovery

179

00:07:32,860 --> 00:07:31,130

because I'll just share with you like

180

00:07:34,510 --> 00:07:32,870

yeah I've been doing this show for a

181

00:07:36,760 --> 00:07:34,520

while and I had all these kind of

182

00:07:38,980 --> 00:07:36,770

questions and the same kind of thing you

183

00:07:41,499 --> 00:07:38,990

don't wonder a science thing but I ran

184

00:07:43,629 --> 00:07:41,509

across the near-death experience science

185

00:07:45,790 --> 00:07:43,639

research peer-reviewed published stuff

186

00:07:48,370 --> 00:07:45,800

and it really changed me because I had

187

00:07:50,650 --> 00:07:48,380

lingering doubts about the survival of

188

00:07:53,499 --> 00:07:50,660

consciousness and when I was really able

189

00:07:55,029 --> 00:07:53,509

to finally pin that down for myself I'm

190

00:07:57,430 --> 00:07:55,039

not saying this applies to anyone else

191

00:07:59,650 --> 00:07:57,440

but it really kind of turned something

192

00:08:01,870 --> 00:07:59,660

in me I was like wow there are science

193

00:08:04,810 --> 00:08:01,880

the best way that I can understand it

194

00:08:08,500 --> 00:08:04,820

has changed fundamentally what I can

195

00:08:10,300 --> 00:08:08,510

accept about consciousness and death do

196

00:08:12,430 --> 00:08:10,310

you have any kind of similar parallel

197

00:08:14,620 --> 00:08:12,440

thing of something in science a

198

00:08:18,370 --> 00:08:14,630

scientific discovery that really led you

199

00:08:20,050 --> 00:08:18,380

to just a new belief system yeah well I

200

00:08:21,969 --> 00:08:20,060

think that you know when I started the

201
00:08:24,370 --> 00:08:21,979
project I was raised in the Baha'i faith

202
00:08:26,230 --> 00:08:24,380
so I'm a Baha'i and like one of the

203
00:08:27,520 --> 00:08:26,240
teachings in the Baha'i religion or the

204
00:08:29,770 --> 00:08:27,530
Baha'i faith is that there are that

205
00:08:31,180 --> 00:08:29,780
there are many worlds you know which is

206
00:08:34,420 --> 00:08:31,190
the title of the book right that there

207
00:08:38,409 --> 00:08:34,430
are many worlds that the divine essence

208
00:08:40,990 --> 00:08:38,419
or the transcendent you know has created

209
00:08:42,670 --> 00:08:41,000
or contains you know many worlds and so

210
00:08:44,560 --> 00:08:42,680
I think I had that sensibility going

211
00:08:45,880 --> 00:08:44,570
into it and then actually it's funny you

212
00:08:47,650 --> 00:08:45,890
mentioned the near-death experiences I

213
00:08:49,780 --> 00:08:47,660

did you know about ten years ago I got

214

00:08:51,880 --> 00:08:49,790

interested in reading Raymond Moody and

215

00:08:54,310 --> 00:08:51,890

kind of near-death experiences and

216

00:08:56,680 --> 00:08:54,320

out-of-body experiences and I got really

217

00:08:58,150 --> 00:08:56,690

interested in thinking about that you

218

00:09:00,819 --> 00:08:58,160

know and kind of been kind of inspired

219

00:09:02,620 --> 00:09:00,829

by that and that kind of changed my

220

00:09:04,990 --> 00:09:02,630

thinking I guess a little bit like you

221

00:09:07,120 --> 00:09:05,000

I'm you know thinking about many layers

222

00:09:08,230 --> 00:09:07,130

and many worlds and and then I guess the

223

00:09:09,760 --> 00:09:08,240

third piece was when I was doing

224

00:09:11,710 --> 00:09:09,770

research for my first book which is

225

00:09:12,910 --> 00:09:11,720

called unsettled Minds which is more a

226
00:09:15,069 --> 00:09:12,920
history of

227
00:09:17,919 --> 00:09:15,079
psychology and sciences of mind and

228
00:09:20,859 --> 00:09:17,929
brain and how they influence American

229
00:09:22,059 --> 00:09:20,869
thinking about spirituality and religion

230
00:09:24,970 --> 00:09:22,069
but when I was when I was doing that

231
00:09:28,479 --> 00:09:24,980
that project I came across an awful lot

232
00:09:30,429 --> 00:09:28,489
of people you know who were interested

233
00:09:32,919 --> 00:09:30,439
in science and religion and physics or

234
00:09:35,319 --> 00:09:32,929
science religion and cosmology and these

235
00:09:36,939 --> 00:09:35,329
were people who were talking more about

236
00:09:39,429 --> 00:09:36,949
higher dimensions right and using that

237
00:09:42,309 --> 00:09:39,439
that kind of fantastic scientific term

238
00:09:44,259 --> 00:09:42,319

higher dimensions parallel universes and

239

00:09:46,090 --> 00:09:44,269

so that that was maybe the third thing

240

00:09:46,929 --> 00:09:46,100

that you know got me excited like well

241

00:09:48,609 --> 00:09:46,939

wait a minute you know what's the

242

00:09:49,569 --> 00:09:48,619

relationship between all these different

243

00:09:52,539 --> 00:09:49,579

things what's the relationship between

244

00:09:54,429 --> 00:09:52,549

you know an idea a spiritual idea that

245

00:09:56,349 --> 00:09:54,439

there might be you know an afterlife or

246

00:09:58,059 --> 00:09:56,359

other worlds on the one hand and also

247

00:09:59,559 --> 00:09:58,069

you know the sort of near-death

248

00:10:01,749 --> 00:09:59,569

experiences on the other hand and then

249

00:10:03,309 --> 00:10:01,759

also you know more scientific ideas that

250

00:10:05,409 --> 00:10:03,319

there might be invisible spaces or

251
00:10:07,449 --> 00:10:05,419
layers to reality and you know what's

252
00:10:09,099 --> 00:10:07,459
the story you know and how people put

253
00:10:11,530 --> 00:10:09,109
those different categories together and

254
00:10:13,449 --> 00:10:11,540
that that's really the book you know and

255
00:10:14,619 --> 00:10:13,459
I have a number of those different kinds

256
00:10:16,569 --> 00:10:14,629
of people in the book you know I have

257
00:10:18,489 --> 00:10:16,579
spiritual or religious people in the

258
00:10:20,619 --> 00:10:18,499
book who who have different ideas about

259
00:10:23,169 --> 00:10:20,629
an afterlife and then I have people who

260
00:10:25,929 --> 00:10:23,179
you know have afterlife experiences and

261
00:10:27,939 --> 00:10:25,939
have a more empirical kind of view and

262
00:10:29,169 --> 00:10:27,949
want to want to study these kinds of

263
00:10:31,150 --> 00:10:29,179

things scientifically and then I also

264

00:10:33,309 --> 00:10:31,160

have skeptics in the book right as you

265

00:10:34,780 --> 00:10:33,319

know I have scientists and and others in

266

00:10:36,729 --> 00:10:34,790

there who sort of push back on all that

267

00:10:38,559 --> 00:10:36,739

and say you know that's not really what

268

00:10:42,189 --> 00:10:38,569

we're talking about when we talk about

269

00:10:43,900 --> 00:10:42,199

higher dimensional spaces on but that

270

00:10:45,970 --> 00:10:43,910

conversation goes round and around and

271

00:10:48,669 --> 00:10:45,980

in the book I try to I try to turn it

272

00:10:51,729 --> 00:10:48,679

into a story great have you had any

273

00:10:53,739 --> 00:10:51,739

spiritual experiences that have really

274

00:10:56,109 --> 00:10:53,749

changed your life in a significant way

275

00:10:57,549 --> 00:10:56,119

yeah that's a good question I get that

276

00:11:00,369 --> 00:10:57,559

question you know I get that question

277

00:11:01,689 --> 00:11:00,379

when I'm doing a podcast or doing maybe

278

00:11:04,629 --> 00:11:01,699

a radio show or an interview or

279

00:11:07,840 --> 00:11:04,639

something you know and it's always it's

280

00:11:09,400 --> 00:11:07,850

always a letdown because because I you

281

00:11:11,529 --> 00:11:09,410

know I don't have you know I haven't I

282

00:11:13,449 --> 00:11:11,539

haven't had a UFO experience or I have I

283

00:11:15,729 --> 00:11:13,459

haven't heard a voice or seen a light

284

00:11:17,199 --> 00:11:15,739

I'm you know I know I know people that

285

00:11:18,460 --> 00:11:17,209

have had these experiences and in fact

286

00:11:20,229 --> 00:11:18,470

I've talked to them right because

287

00:11:22,600 --> 00:11:20,239

because I study these kinds of

288

00:11:24,220 --> 00:11:22,610

experiences and advice or I teach about

289

00:11:26,770 --> 00:11:24,230

these experiences too and like ways of

290

00:11:28,560 --> 00:11:26,780

interpreting them but I mean aside from

291

00:11:30,910 --> 00:11:28,570

you know having my own sort of

292

00:11:32,500 --> 00:11:30,920

meditation and prayer life you know

293

00:11:36,100 --> 00:11:32,510

which is sort of more of a kind of a

294

00:11:37,780 --> 00:11:36,110

constant practice in my life aside from

295

00:11:39,010 --> 00:11:37,790

that no there I don't really you know

296

00:11:41,650 --> 00:11:39,020

I've never had an out-of-body experience

297

00:11:44,620 --> 00:11:41,660

or these kinds of you know dramatic

298

00:11:46,240 --> 00:11:44,630

experiences or uncanny experiences that

299

00:11:48,850 --> 00:11:46,250

people that many people have had and I

300

00:11:50,260 --> 00:11:48,860

think you've had as well but um so I'm

301
00:11:51,490 --> 00:11:50,270
always interested in hearing them and

302
00:11:52,810 --> 00:11:51,500
talking about them and I write about

303
00:11:55,180 --> 00:11:52,820
them quite a bit in my book but I've

304
00:11:57,250 --> 00:11:55,190
I've never had one that's interesting

305
00:12:00,940 --> 00:11:57,260
because I know I really haven't had any

306
00:12:03,460 --> 00:12:00,950
super profound spiritual experiences but

307
00:12:05,320 --> 00:12:03,470
I found that when I really you know dig

308
00:12:08,170 --> 00:12:05,330
into it and probe it with people

309
00:12:10,860 --> 00:12:08,180
especially people like you and if I can

310
00:12:13,600 --> 00:12:10,870
say like me in terms of I have a steady

311
00:12:16,660 --> 00:12:13,610
spiritual practice a meditation practice

312
00:12:20,140 --> 00:12:16,670
a yoga practice because it works for me

313
00:12:23,050 --> 00:12:20,150

on so many levels but if I really dig

314

00:12:25,540 --> 00:12:23,060

into that and if I get past the need to

315

00:12:28,030 --> 00:12:25,550

have all the fireworks yeah I have had

316

00:12:31,330 --> 00:12:28,040

spiritual experiences even if there's

317

00:12:34,180 --> 00:12:31,340

small ones that have kind of moved me on

318

00:12:35,560 --> 00:12:34,190

the course and does that relate to you

319

00:12:38,800 --> 00:12:35,570

because I think most people that are

320

00:12:42,160 --> 00:12:38,810

consider themselves spiritual they have

321

00:12:43,960 --> 00:12:42,170

to beginning some yeah crumbs that

322

00:12:45,880 --> 00:12:43,970

they're following along the path oh

323

00:12:49,480 --> 00:12:45,890

absolutely I mean you know when I

324

00:12:51,280 --> 00:12:49,490

remember being 14 or 15 and not really

325

00:12:52,750 --> 00:12:51,290

believing in God but but then sort of

326

00:12:54,190 --> 00:12:52,760

taking up the issue of prayer and just

327

00:12:56,770 --> 00:12:54,200

kind of being like open minded and

328

00:12:57,970 --> 00:12:56,780

taking an experimental view and sort of

329

00:12:59,560 --> 00:12:57,980

saying you know well I'm gonna do this

330

00:13:00,730 --> 00:12:59,570

practice and I'm just gonna see what

331

00:13:03,130 --> 00:13:00,740

happens I don't have to believe anything

332

00:13:04,750 --> 00:13:03,140

but I'm going to do it and I'm gonna and

333

00:13:06,880 --> 00:13:04,760

I'm gonna see and then as you say come

334

00:13:09,640 --> 00:13:06,890

along the way you do feel kind of a

335

00:13:11,830 --> 00:13:09,650

sense of change you know coming over you

336

00:13:13,630 --> 00:13:11,840

in a sense of being grounded in a

337

00:13:15,610 --> 00:13:13,640

certain way and a feeling that this is

338

00:13:18,180 --> 00:13:15,620

this is the right path you know and

339

00:13:21,100 --> 00:13:18,190

maybe it may be those types of practices

340

00:13:22,540 --> 00:13:21,110

turn on parts of the self that we don't

341

00:13:25,180 --> 00:13:22,550

think about sometimes right maybe they

342

00:13:27,340 --> 00:13:25,190

turn on parts of the self that you know

343

00:13:30,460 --> 00:13:27,350

we use words like intuition to talk

344

00:13:33,010 --> 00:13:30,470

about right or you know intuition or

345

00:13:34,540 --> 00:13:33,020

feeling or religious emotions on you

346

00:13:37,060 --> 00:13:34,550

know certainly you know I've had those

347

00:13:40,510 --> 00:13:37,070

types of kind of confirming experiences

348

00:13:41,830 --> 00:13:40,520

with those with those practices for sure

349

00:13:43,240 --> 00:13:41,840

and then and then you know when you ask

350

00:13:45,840 --> 00:13:43,250

the question another thing I think of

351

00:13:47,950 --> 00:13:45,850

about sort of spiritual experiences is

352

00:13:51,100 --> 00:13:47,960

you know I think this gets back to awe

353

00:13:54,190 --> 00:13:51,110

and wonder and maybe nature but also an

354

00:13:56,140 --> 00:13:54,200

element of of the beyond of the beyond

355

00:13:58,060 --> 00:13:56,150

nature is is things like you know the

356

00:13:59,950 --> 00:13:58,070

birth of my children you know you you

357

00:14:02,590 --> 00:13:59,960

have these kind of fantastic moments

358

00:14:05,590 --> 00:14:02,600

that happen to you in your life and they

359

00:14:09,460 --> 00:14:05,600

do kind of strike you as as revelatory

360

00:14:11,230 --> 00:14:09,470

right in a certain way you know and we

361

00:14:12,880 --> 00:14:11,240

all know the science behind childbirth

362

00:14:15,160 --> 00:14:12,890

right we can we could take it completely

363

00:14:17,530 --> 00:14:15,170

domestic and take a completely

364

00:14:19,570 --> 00:14:17,540

scientific approach to it but I actually

365

00:14:21,700 --> 00:14:19,580

think that that that kind of approach it

366

00:14:24,310 --> 00:14:21,710

doesn't really I'm not sure that it

367

00:14:26,290 --> 00:14:24,320

really does take away from the the kind

368

00:14:27,520 --> 00:14:26,300

of fantastic and awesome nature of some

369

00:14:29,080 --> 00:14:27,530

of these things just like if we know the

370

00:14:30,220 --> 00:14:29,090

science and the geology of the Grand

371

00:14:31,900 --> 00:14:30,230

Canyon or these other kinds of

372

00:14:33,670 --> 00:14:31,910

experiences it's a bit different when

373

00:14:35,380 --> 00:14:33,680

you go there and you experience it right

374

00:14:38,860 --> 00:14:35,390

so I mean there definitely is something

375

00:14:40,630 --> 00:14:38,870

an experience that that has that's made

376

00:14:42,250 --> 00:14:40,640

it possible for me to feel a sense of

377

00:14:44,590 --> 00:14:42,260

transformation and and I know for people

378

00:14:46,600 --> 00:14:44,600

who have more dramatic experiences right

379

00:14:49,000 --> 00:14:46,610

like maybe near-death experiences right

380

00:14:50,670 --> 00:14:49,010

who come out of those experiences and

381

00:14:53,440 --> 00:14:50,680

you know they feel completely trance

382

00:14:56,980 --> 00:14:53,450

transformed it in various ways right no

383

00:14:58,900 --> 00:14:56,990

excellent so let's return then and talk

384

00:15:01,060 --> 00:14:58,910

a little bit about the book one of the

385

00:15:02,890 --> 00:15:01,070

points that you make and I just read it

386

00:15:05,560 --> 00:15:02,900

in the blurb there that I'd love for you

387

00:15:07,540 --> 00:15:05,570

to talk about because I think we really

388

00:15:10,570 --> 00:15:07,550

need to hone in on it and that is this

389

00:15:12,880 --> 00:15:10,580

idea of invisible dimensions multiple

390

00:15:15,250 --> 00:15:12,890

dimensions and you really pull that

391

00:15:17,890 --> 00:15:15,260

apart and you have this and an interplay

392

00:15:20,740 --> 00:15:17,900

between what science is discovering and

393

00:15:23,260 --> 00:15:20,750

what spirituality is discovering if we

394

00:15:26,140 --> 00:15:23,270

can apply that word to spirituality yeah

395

00:15:29,590 --> 00:15:26,150

you want to talk about that so yeah sure

396

00:15:32,800 --> 00:15:29,600

I mean you know the the book begins you

397

00:15:34,510 --> 00:15:32,810

know a hundred years ago or so with with

398

00:15:37,300 --> 00:15:34,520

people who I think consider themselves

399

00:15:39,670 --> 00:15:37,310

scientific but then who you know start

400

00:15:41,170 --> 00:15:39,680

to through the mathematics and through

401
00:15:42,690 --> 00:15:41,180
their physics they start to think about

402
00:15:46,450 --> 00:15:42,700
the possibility that there are invisible

403
00:15:48,180 --> 00:15:46,460
spaces or dimensions to reality and some

404
00:15:51,820 --> 00:15:48,190
of them are interested in that as

405
00:15:53,680 --> 00:15:51,830
scientists right higher dimensions as

406
00:15:53,990 --> 00:15:53,690
even a physical space and then and then

407
00:15:57,200 --> 00:15:54,000
other

408
00:15:59,210 --> 00:15:57,210
get interested in these spaces as you

409
00:16:00,740 --> 00:15:59,220
know possibly spiritual spaces or spaces

410
00:16:03,290 --> 00:16:00,750
where there might be spirits or ghosts

411
00:16:05,630 --> 00:16:03,300
and so on and you can have scientists

412
00:16:08,420 --> 00:16:05,640
who themselves or pursue that or pursue

413
00:16:13,010 --> 00:16:08,430

those ideas you know is it possible to

414

00:16:15,670 --> 00:16:13,020

to have a scientific perspective on the

415

00:16:17,690 --> 00:16:15,680

afterlife is it possible to study

416

00:16:18,710 --> 00:16:17,700

spirituality scientifically or

417

00:16:20,510 --> 00:16:18,720

empirically right these are all

418

00:16:22,760 --> 00:16:20,520

questions that some of these folks

419

00:16:24,770 --> 00:16:22,770

raised when they started to think about

420

00:16:26,720 --> 00:16:24,780

higher dimensions and maybe I can just

421

00:16:30,020 --> 00:16:26,730

say a quick word about what dimensions

422

00:16:32,060 --> 00:16:30,030

are just to sort of make that clear in

423

00:16:33,320 --> 00:16:32,070

our conversation but I think there's a

424

00:16:35,090 --> 00:16:33,330

number of different ways of talking

425

00:16:37,340 --> 00:16:35,100

about other dimensions or other

426

00:16:39,020 --> 00:16:37,350

universes or parallel worlds on and so

427

00:16:42,440 --> 00:16:39,030

on and I try to take up some of those in

428

00:16:44,000 --> 00:16:42,450

the book the main thing I'm gay gin the

429

00:16:45,920 --> 00:16:44,010

book though is just this idea that there

430

00:16:48,350 --> 00:16:45,930

might be a higher a higher spatial

431

00:16:50,240 --> 00:16:48,360

dimension so you know in our world we

432

00:16:53,900 --> 00:16:50,250

have we have three spatial dimensions

433

00:16:55,910 --> 00:16:53,910

you know on basically you know if you

434

00:16:57,380 --> 00:16:55,920

can imagine drawing a line on a piece of

435

00:16:59,630 --> 00:16:57,390

paper that's a one-dimensional object

436

00:17:02,090 --> 00:16:59,640

just a straight line you know that has

437

00:17:03,170 --> 00:17:02,100

one dimension that we call length you

438

00:17:05,000 --> 00:17:03,180

know and then if you were to take that

439

00:17:06,679 --> 00:17:05,010

line on that flat piece of paper and

440

00:17:08,630 --> 00:17:06,689

take all the points in that line and

441

00:17:10,960 --> 00:17:08,640

stretch them in a in a new direction

442

00:17:13,670 --> 00:17:10,970

that's perpendicular to the

443

00:17:16,220 --> 00:17:13,680

perpendicular to the line you would have

444

00:17:18,170 --> 00:17:16,230

a two-dimensional object an object a

445

00:17:19,550 --> 00:17:18,180

flat square right that would have length

446

00:17:21,890 --> 00:17:19,560

and width those would be its two

447

00:17:23,569 --> 00:17:21,900

dimensions or directions and then if you

448

00:17:25,100 --> 00:17:23,579

do the same if you do the same thing if

449

00:17:27,079 --> 00:17:25,110

you take that flat Square and you take

450

00:17:28,580 --> 00:17:27,089

every point in the square and you

451
00:17:29,780 --> 00:17:28,590
stretch it in a new direction that's

452
00:17:32,540 --> 00:17:29,790
perpendicular to the other two

453
00:17:35,210 --> 00:17:32,550
directions you would stretch that flat

454
00:17:36,530 --> 00:17:35,220
square into a three-dimensional cube so

455
00:17:39,220 --> 00:17:36,540
that cube has three spatial dimensions

456
00:17:41,840 --> 00:17:39,230
all right it has length width and height

457
00:17:44,030 --> 00:17:41,850
now this is where it gets tricky right

458
00:17:45,860 --> 00:17:44,040
so you know every everything in our

459
00:17:47,390 --> 00:17:45,870
world apparently has three spatial

460
00:17:50,930 --> 00:17:47,400
dimensions that's the world that we seem

461
00:17:52,340 --> 00:17:50,940
to live in but geometers and

462
00:17:54,200 --> 00:17:52,350
mathematicians and physicists in the

463
00:17:56,270 --> 00:17:54,210

19th century started to incorporate a

464

00:17:58,700 --> 00:17:56,280

fourth spatial dimension into their

465

00:18:00,680 --> 00:17:58,710

equations because they it seemed to

466

00:18:02,330 --> 00:18:00,690

simplify the laws of nature and it

467

00:18:04,160 --> 00:18:02,340

allowed them to do things that were

468

00:18:06,320 --> 00:18:04,170

interesting to them mathematically so

469

00:18:07,110 --> 00:18:06,330

you know that this would be this would

470

00:18:09,180 --> 00:18:07,120

be

471

00:18:12,270 --> 00:18:09,190

if you were to think about what a fourth

472

00:18:13,680 --> 00:18:12,280

space and again this fourth spatial

473

00:18:15,810 --> 00:18:13,690

dimension is not a dimension that we can

474

00:18:17,280 --> 00:18:15,820

perceive although a number of people in

475

00:18:19,530 --> 00:18:17,290

my book say that there are practices

476

00:18:22,080 --> 00:18:19,540

that you can do to actually see into a

477

00:18:23,880 --> 00:18:22,090

fourth dimension but this would involve

478

00:18:26,130 --> 00:18:23,890

you know this dimension would involve

479

00:18:28,440 --> 00:18:26,140

taking that three dimensional cube like

480

00:18:31,230 --> 00:18:28,450

that rubik's cube and taking all the

481

00:18:32,550 --> 00:18:31,240

points in the queue and all the points

482

00:18:35,220 --> 00:18:32,560

on the surfaces of that cube and

483

00:18:37,800 --> 00:18:35,230

stretching it in a forth direction or

484

00:18:39,270 --> 00:18:37,810

dimension right and that direction would

485

00:18:42,420 --> 00:18:39,280

have to be perpendicular to the other

486

00:18:43,680 --> 00:18:42,430

three and if you know your listeners sit

487

00:18:45,780 --> 00:18:43,690

there and try to imagine what that

488

00:18:48,150 --> 00:18:45,790

direction would be it's a pretty hard

489

00:18:49,530 --> 00:18:48,160

thing to do um it's a pretty hard thing

490

00:18:51,210 --> 00:18:49,540

to imagine and that's because we don't

491

00:18:53,690 --> 00:18:51,220

we apparently don't have that spatial

492

00:18:55,740 --> 00:18:53,700

dimension but nevertheless you know

493

00:18:58,110 --> 00:18:55,750

physicists cosmologists and

494

00:18:59,550 --> 00:18:58,120

mathematicians they do use this idea of

495

00:19:01,380 --> 00:18:59,560

there being a fourth dimensional space

496

00:19:03,390 --> 00:19:01,390

or a fifth dimensional space to reality

497

00:19:05,550 --> 00:19:03,400

you know maybe this is a space that we

498

00:19:07,830 --> 00:19:05,560

can't perceive because the limitations

499

00:19:09,390 --> 00:19:07,840

of our consciousness and so that that's

500

00:19:12,000 --> 00:19:09,400

sort of the beginning of the book and

501
00:19:14,460 --> 00:19:12,010
then these ideas get taken up by lots of

502
00:19:16,350 --> 00:19:14,470
different kinds of people there are

503
00:19:19,020 --> 00:19:16,360
other ways of that we might think about

504
00:19:21,420 --> 00:19:19,030
dimensions like today you know we have

505
00:19:23,850 --> 00:19:21,430
multiverse theory right this is a theory

506
00:19:25,620 --> 00:19:23,860
that not so much a theory of other

507
00:19:27,660 --> 00:19:25,630
dimensions as a theory of parallel

508
00:19:32,610 --> 00:19:27,670
universes

509
00:19:35,010 --> 00:19:32,620
that exist outside of our our own

510
00:19:37,710 --> 00:19:35,020
there's other kinds of theories that

511
00:19:39,330 --> 00:19:37,720
have other layers or worlds to them

512
00:19:41,220 --> 00:19:39,340
right and I'm sure your your listeners

513
00:19:43,320 --> 00:19:41,230

are familiar with these other kinds of

514

00:19:45,030 --> 00:19:43,330

theories but string theory which is a

515

00:19:46,860 --> 00:19:45,040

modern theory and and among

516

00:19:48,960 --> 00:19:46,870

mathematicians and physicists that it

517

00:19:51,060 --> 00:19:48,970

tries to account for it tries to come up

518

00:19:53,180 --> 00:19:51,070

with one set of equations that can

519

00:19:56,010 --> 00:19:53,190

accommodate all of the all of nature's

520

00:19:58,920 --> 00:19:56,020

all of nature's forces basically and

521

00:20:00,450 --> 00:19:58,930

string theory incorporates many extra

522

00:20:02,970 --> 00:20:00,460

spatial dimensions there's also

523

00:20:04,770 --> 00:20:02,980

something called brain theory Lisa

524

00:20:06,210 --> 00:20:04,780

Randall at Harvard a physicist talks

525

00:20:07,500 --> 00:20:06,220

about brain theory and number of others

526

00:20:10,920 --> 00:20:07,510

talk about brain theory this is the idea

527

00:20:13,440 --> 00:20:10,930

that there are membranes or brains in

528

00:20:16,770 --> 00:20:13,450

the cosmos right and our visible

529

00:20:19,800 --> 00:20:16,780

universe is just one is just on one of

530

00:20:21,090 --> 00:20:19,810

those membranes spread out on one of

531

00:20:22,409 --> 00:20:21,100

those membranes or one of those

532

00:20:26,010 --> 00:20:22,419

players in reality and that there's

533

00:20:28,200 --> 00:20:26,020

other layers in reality or other brains

534

00:20:30,270 --> 00:20:28,210

or membranes to reality that we can't

535

00:20:31,529 --> 00:20:30,280

perceive so there's a lot of different

536

00:20:33,600 --> 00:20:31,539

reasons that mathematicians and

537

00:20:36,210 --> 00:20:33,610

physicists have posited the existence of

538

00:20:38,039 --> 00:20:36,220

these other dimensional spaces parallel

539

00:20:39,720 --> 00:20:38,049

worlds and there's even other theories

540

00:20:40,950 --> 00:20:39,730

that I haven't mentioned like like the

541

00:20:43,620 --> 00:20:40,960

many-worlds interpretation of quantum

542

00:20:45,270 --> 00:20:43,630

mechanics na which says that there that

543

00:20:48,000 --> 00:20:45,280

our universe is constantly branching

544

00:20:50,400 --> 00:20:48,010

into other additional constantly

545

00:20:52,919 --> 00:20:50,410

creating new additional parallel worlds

546

00:20:55,049 --> 00:20:52,929

so there's mathematical and scientific

547

00:20:57,090 --> 00:20:55,059

reasons that these theorists are coming

548

00:20:59,039 --> 00:20:57,100

up with these ideas I should say there's

549

00:21:01,200 --> 00:20:59,049

no proof you know there's no there's no

550

00:21:03,270 --> 00:21:01,210

mathematical or scientific proof that

551
00:21:05,100 --> 00:21:03,280
these higher dimensions exist know that

552
00:21:06,990 --> 00:21:05,110
these parallel worlds exist but many

553
00:21:09,480 --> 00:21:07,000
physicists and mathematicians are

554
00:21:12,210 --> 00:21:09,490
actively pursuing the mathematics of

555
00:21:13,980 --> 00:21:12,220
these of these higher dimensional worlds

556
00:21:15,930 --> 00:21:13,990
and they're also trying to figure out

557
00:21:18,360 --> 00:21:15,940
ways to empirically confirm whether or

558
00:21:22,169 --> 00:21:18,370
not they exist so that's a big that's a

559
00:21:23,789 --> 00:21:22,179
big you know that's a big sort of

560
00:21:25,200 --> 00:21:23,799
excursus into higher dimensions we can

561
00:21:26,909 --> 00:21:25,210
talk more of that about that if you want

562
00:21:28,740 --> 00:21:26,919
but so there's a lot of scientists who

563
00:21:30,330 --> 00:21:28,750

talk about them but then a lot of people

564

00:21:32,039 --> 00:21:30,340

in pop culture who use them too and that

565

00:21:34,049 --> 00:21:32,049

that of course is in the book all of the

566

00:21:36,570 --> 00:21:34,059

sci-fi writers all the comic book

567

00:21:38,730 --> 00:21:36,580

artists right all the people who create

568

00:21:40,470 --> 00:21:38,740

TV shows like The Twilight Zone and the

569

00:21:43,560 --> 00:21:40,480

outer limits and films like interstellar

570

00:21:45,120 --> 00:21:43,570

and right and so many people use these

571

00:21:47,789 --> 00:21:45,130

ideas there being other dimensional

572

00:21:50,840 --> 00:21:47,799

realities and then Chris of course what

573

00:21:53,100 --> 00:21:50,850

you do is you link that to a lot of

574

00:21:55,409 --> 00:21:53,110

spiritual people if we can use that

575

00:21:58,289 --> 00:21:55,419

category mystic yeah thinkers or

576

00:22:00,450 --> 00:21:58,299

experiencers who have kind of come at it

577

00:22:03,659 --> 00:22:00,460

from a different way and there's this

578

00:22:05,070 --> 00:22:03,669

interplay of cross-fertilization and

579

00:22:06,570 --> 00:22:05,080

forming each other kind of thing right

580

00:22:08,520 --> 00:22:06,580

that's the other part of this and then

581

00:22:10,500 --> 00:22:08,530

tell us how you researched obviously

582

00:22:12,299 --> 00:22:10,510

you're smart enough to go read the

583

00:22:15,000 --> 00:22:12,309

science and understand that but you also

584

00:22:16,440 --> 00:22:15,010

researched the writings and

585

00:22:18,930 --> 00:22:16,450

understandings of the spiritual people

586

00:22:20,580 --> 00:22:18,940

as well right oh yeah yeah sure I mean

587

00:22:21,960 --> 00:22:20,590

yeah I think I think you're right that

588

00:22:23,760 --> 00:22:21,970

people came out of from two different

589

00:22:25,649 --> 00:22:23,770

directions you know the mathematicians

590

00:22:27,600 --> 00:22:25,659

the scientists sort of were intrigued by

591

00:22:29,220 --> 00:22:27,610

you know where the mathematics was

592

00:22:31,560 --> 00:22:29,230

leading them and then they asked

593

00:22:33,510 --> 00:22:31,570

questions like well you know if I'm if

594

00:22:34,980 --> 00:22:33,520

I'm using a fourth spatial or fifth

595

00:22:36,660 --> 00:22:34,990

spatial dimensions in the car

596

00:22:40,260 --> 00:22:36,670

types of my mathematics could there

597

00:22:42,150 --> 00:22:40,270

actually be a real fourth space or fifth

598

00:22:43,530 --> 00:22:42,160

space so some come at it that way and

599

00:22:45,390 --> 00:22:43,540

then as you say others come at it from a

600

00:22:46,680 --> 00:22:45,400

spiritual side let's say someone has an

601
00:22:49,410 --> 00:22:46,690
out-of-body experience you and I talked

602
00:22:51,450 --> 00:22:49,420
about a number of people I think it's in

603
00:22:54,540 --> 00:22:51,460
Chapter six in the book where which is a

604
00:22:57,120 --> 00:22:54,550
chapter about people who have dreams

605
00:23:00,380 --> 00:22:57,130
that seem to predict the future right in

606
00:23:02,220 --> 00:23:00,390
that chapter I talk about a person who

607
00:23:03,900 --> 00:23:02,230
or a couple of people who have

608
00:23:05,730 --> 00:23:03,910
out-of-body experiences and near-death

609
00:23:08,070 --> 00:23:05,740
experiences and so these kinds of things

610
00:23:09,960 --> 00:23:08,080
happen to them and then they go to the

611
00:23:11,520 --> 00:23:09,970
science right so they this kind of

612
00:23:13,049 --> 00:23:11,530
strange stuff happens then they say well

613
00:23:15,090 --> 00:23:13,059

is there any possible way I could

614

00:23:17,549 --> 00:23:15,100

explain what happened to me you know and

615

00:23:18,750 --> 00:23:17,559

then they turn to they turn to popular

616

00:23:20,940 --> 00:23:18,760

science books that might be about

617

00:23:22,710 --> 00:23:20,950

Einstein science or quantum mechanics or

618

00:23:23,880 --> 00:23:22,720

you know a lot of different things so

619

00:23:26,460 --> 00:23:23,890

you're right it goes kind of in both

620

00:23:30,570 --> 00:23:26,470

directions of the book so you know maybe

621

00:23:32,040 --> 00:23:30,580

that's a good way to launch into one of

622

00:23:33,090 --> 00:23:32,050

the kind of points I want to talk about

623

00:23:35,400 --> 00:23:33,100

in kind of a more freewheeling

624

00:23:37,260 --> 00:23:35,410

interactive discussion and I have three

625

00:23:39,150 --> 00:23:37,270

of them but the first one relates

626
00:23:41,370 --> 00:23:39,160
directly to what you're saying there and

627
00:23:44,790 --> 00:23:41,380
it relates to a quote I pulled out of

628
00:23:47,340 --> 00:23:44,800
the book and it was a chapter that you

629
00:23:49,560 --> 00:23:47,350
were dealing with Raymond Moody who you

630
00:23:52,620 --> 00:23:49,570
mentioned earlier the real pioneer of

631
00:23:54,150 --> 00:23:52,630
near-death experience research and you

632
00:23:56,970 --> 00:23:54,160
know most recently I love that you

633
00:24:00,600 --> 00:23:56,980
pulled out that he's really gotten into

634
00:24:03,330 --> 00:24:00,610
shared death experiences that is not

635
00:24:05,580 --> 00:24:03,340
just the experimenter who has the cardiac

636
00:24:08,669 --> 00:24:05,590
arrest or whatever but people that are

637
00:24:11,310 --> 00:24:08,679
with them in the hospital bed who also

638
00:24:14,400 --> 00:24:11,320

share that experience quite remarkable

639

00:24:17,669 --> 00:24:14,410

and quite evidential really and what you

640

00:24:20,730 --> 00:24:17,679

point out in in the book is that a lot

641

00:24:25,440 --> 00:24:20,740

of these people are reporting gyah

642

00:24:27,780 --> 00:24:25,450

alternative geometrical understandings

643

00:24:30,240 --> 00:24:27,790

or visions or experiences like

644

00:24:32,700 --> 00:24:30,250

alternative geometry so you want to talk

645

00:24:36,799 --> 00:24:32,710

about science I mean it's very science

646

00:24:39,750 --> 00:24:36,809

ll so the way I'd frame up this topic is

647

00:24:43,110 --> 00:24:39,760

spiritually transformative experiences

648

00:24:47,040 --> 00:24:43,120

there's an app for that so I guess my

649

00:24:48,409 --> 00:24:47,050

point is you know one way to take what

650

00:24:51,710 --> 00:24:48,419

you're doing is

651
00:24:53,779 --> 00:24:51,720
to suggest as some people do that our

652
00:24:56,659 --> 00:24:53,789
understanding of spiritually

653
00:24:59,560 --> 00:24:56,669
transformative experiences is going to

654
00:25:02,690 --> 00:24:59,570
change dramatically as we have a better

655
00:25:05,080 --> 00:25:02,700
understanding of technology and science

656
00:25:09,259 --> 00:25:05,090
and what we you know you're kind of

657
00:25:12,200 --> 00:25:09,269
playing nice with spirituality and

658
00:25:15,320 --> 00:25:12,210
spiritual people but eventually all that

659
00:25:17,869 --> 00:25:15,330
will be sassoon by technological

660
00:25:20,509 --> 00:25:17,879
advancement so I just throw that on the

661
00:25:23,599 --> 00:25:20,519
table as a topic that we might kick

662
00:25:25,489 --> 00:25:23,609
around yeah yeah I yeah I think that's a

663
00:25:27,739 --> 00:25:25,499

I think that's a good observation I mean

664

00:25:28,999 --> 00:25:27,749

I think it kind of I think you can talk

665

00:25:30,999 --> 00:25:29,009

about that in a number of different ways

666

00:25:33,289 --> 00:25:31,009

I mean I think you could say you know

667

00:25:35,239 --> 00:25:33,299

technological advancement changes how

668

00:25:36,979 --> 00:25:35,249

people talk about spiritual experiences

669

00:25:38,599 --> 00:25:36,989

I think you could say technological

670

00:25:40,489 --> 00:25:38,609

advancement gives people new metaphors

671

00:25:42,979 --> 00:25:40,499

or ways of thinking about spiritual

672

00:25:45,019 --> 00:25:42,989

experiences you know I think you know

673

00:25:46,909 --> 00:25:45,029

I'm not sure I'm not sure what the

674

00:25:48,409 --> 00:25:46,919

direction of the causal arrow is right I

675

00:25:49,970 --> 00:25:48,419

mean you know because you could also

676

00:25:52,159 --> 00:25:49,980

argue that people's religious and

677

00:25:54,830 --> 00:25:52,169

spiritual questions leads them to

678

00:25:56,450 --> 00:25:54,840

different forms of scientific

679

00:25:58,039 --> 00:25:56,460

investigation and technological

680

00:25:59,930 --> 00:25:58,049

innovation so you know a number of

681

00:26:01,369 --> 00:25:59,940

people in history of science look at

682

00:26:02,960 --> 00:26:01,379

look at the direction of that arrow

683

00:26:04,820 --> 00:26:02,970

going both ways and you know I mean

684

00:26:06,529 --> 00:26:04,830

there's no question that scientific

685

00:26:08,749 --> 00:26:06,539

innovation and technological innovation

686

00:26:10,820 --> 00:26:08,759

comes from a cultural context so it's

687

00:26:13,369 --> 00:26:10,830

not just that new science and technology

688

00:26:15,169 --> 00:26:13,379

comes out of a like a discovery vacuum

689

00:26:17,479 --> 00:26:15,179

and that and then it produces new new

690

00:26:19,430 --> 00:26:17,489

kinds of religious people there's a kind

691

00:26:20,479 --> 00:26:19,440

of a more dynamic quality to it but I

692

00:26:22,009 --> 00:26:20,489

definitely agree with what you're

693

00:26:23,539 --> 00:26:22,019

talking about you know in general that

694

00:26:25,820 --> 00:26:23,549

that's I think what I'm trying to do

695

00:26:28,129 --> 00:26:25,830

with the book is I'm saying given the

696

00:26:30,080 --> 00:26:28,139

fact that in the West fewer and fewer

697

00:26:32,389 --> 00:26:30,090

people are going to church and reading

698

00:26:34,999 --> 00:26:32,399

the Bible or going to synagogue I'm

699

00:26:37,279 --> 00:26:35,009

participating with traditional religious

700

00:26:40,820 --> 00:26:37,289

congregations what are the ways that

701
00:26:42,950 --> 00:26:40,830
they're now thinking about what ghosts

702
00:26:44,359 --> 00:26:42,960
are and what spirits are and where are

703
00:26:46,099 --> 00:26:44,369
they getting that there are new ways of

704
00:26:48,289 --> 00:26:46,109
talking about or experiencing these

705
00:26:50,149 --> 00:26:48,299
things and and that's where in the book

706
00:26:53,149 --> 00:26:50,159
you know things like higher dimensions

707
00:26:54,859 --> 00:26:53,159
you know moves in right to kind of see

708
00:26:56,779 --> 00:26:54,869
but this but that's one question but I

709
00:27:00,109 --> 00:26:56,789
guess what I'm getting at is the

710
00:27:01,760 --> 00:27:00,119
underlying nature of spiritual

711
00:27:04,240 --> 00:27:01,770
experiences do they

712
00:27:07,250 --> 00:27:04,250
exist or are they somehow being

713
00:27:10,310 --> 00:27:07,260

counterfeited in some artificial way or

714

00:27:12,680 --> 00:27:10,320

do both or is both true is there both an

715

00:27:14,870 --> 00:27:12,690

underlying reality to spiritual

716

00:27:16,460 --> 00:27:14,880

experiences and we could talk about you

717

00:27:18,620 --> 00:27:16,470

know the implications for that in terms

718

00:27:20,380 --> 00:27:18,630

of higher spiritual beings and if you're

719

00:27:22,700 --> 00:27:20,390

saying higher you're implying a

720

00:27:24,440 --> 00:27:22,710

hierarchy and which case you're talking

721

00:27:25,730 --> 00:27:24,450

about god I guess at some level and then

722

00:27:29,120 --> 00:27:25,740

so what does that mean

723

00:27:31,820 --> 00:27:29,130

or are we saying that intelligences be

724

00:27:33,740 --> 00:27:31,830

they on this planet or another planet if

725

00:27:35,480 --> 00:27:33,750

you're willing to explain you know

726

00:27:38,000 --> 00:27:35,490

expand into that or even if you're

727

00:27:40,430 --> 00:27:38,010

willing to go into spiritual dimensions

728

00:27:43,580 --> 00:27:40,440

and spiritual things are they somehow

729

00:27:46,220 --> 00:27:43,590

able to manipulate our experience in

730

00:27:49,430 --> 00:27:46,230

order to create the illusion of a

731

00:27:52,190 --> 00:27:49,440

transformative spiritual experiences so

732

00:27:54,230 --> 00:27:52,200

you know that I think rather than than

733

00:27:56,210 --> 00:27:54,240

just kind of focusing on you know

734

00:27:58,250 --> 00:27:56,220

oh wow people are now spiritual but not

735

00:28:00,740 --> 00:27:58,260

religious and how might they go forward

736

00:28:03,620 --> 00:28:00,750

what's the underlying nature of these

737

00:28:05,900 --> 00:28:03,630

spiritual experiences well that's a good

738

00:28:08,300 --> 00:28:05,910

question you know I I don't know if I

739

00:28:10,460 --> 00:28:08,310

can answer I would say that you know I

740

00:28:12,620 --> 00:28:10,470

think that there there is that there

741

00:28:14,510 --> 00:28:12,630

there there is reality to it you know I

742

00:28:16,100 --> 00:28:14,520

mean my personal view is that there is a

743

00:28:17,570 --> 00:28:16,110

kind of a spiritual reality and that

744

00:28:19,040 --> 00:28:17,580

Pete when people talk about being

745

00:28:20,630 --> 00:28:19,050

inspired or having near-death

746

00:28:22,550 --> 00:28:20,640

experiences these kinds of things I

747

00:28:24,200 --> 00:28:22,560

think that there's that there's truth to

748

00:28:25,750 --> 00:28:24,210

that you know so I wouldn't be I

749

00:28:28,580 --> 00:28:25,760

wouldn't be the person who would be

750

00:28:31,820 --> 00:28:28,590

reducing all those things to to brain

751

00:28:34,060 --> 00:28:31,830

chemistry right or to fMRI is where you

752

00:28:37,040 --> 00:28:34,070

can look at the brain or whatever so I

753

00:28:38,990 --> 00:28:37,050

think that you know we are we are body

754

00:28:40,700 --> 00:28:39,000

mind and spirit so I think all of those

755

00:28:43,190 --> 00:28:40,710

things are smashed together in a package

756

00:28:45,320 --> 00:28:43,200

and I think you certainly can look at

757

00:28:47,120 --> 00:28:45,330

the scientific side of people's

758

00:28:48,830 --> 00:28:47,130

religious experiences now some

759

00:28:50,390 --> 00:28:48,840

scientists will do that and they will

760

00:28:52,460 --> 00:28:50,400

then they will then make a more

761

00:28:55,160 --> 00:28:52,470

reductive move and they'll say that well

762

00:28:56,690 --> 00:28:55,170

the this is the cause of the spiritual

763

00:28:59,060 --> 00:28:56,700

experience the cause is actually in the

764

00:29:00,890 --> 00:28:59,070

body or the causes in the material thing

765

00:29:02,480 --> 00:29:00,900

some scientists will make that reductive

766

00:29:05,270 --> 00:29:02,490

move I wouldn't make that reductive move

767

00:29:06,800 --> 00:29:05,280

myself I think that all kinds of brain

768

00:29:09,110 --> 00:29:06,810

states and mine states and even

769

00:29:10,970 --> 00:29:09,120

spiritual states have analogs in the

770

00:29:12,560 --> 00:29:10,980

physical body for sure but I wouldn't

771

00:29:14,630 --> 00:29:12,570

want to reduce them to the physical body

772

00:29:15,560 --> 00:29:14,640

so I would be more on the side of people

773

00:29:17,930 --> 00:29:15,570

who would be

774

00:29:19,970 --> 00:29:17,940

open to the reality of real spiritual

775

00:29:21,500 --> 00:29:19,980

experiences you know and then you raise

776

00:29:22,970 --> 00:29:21,510

other questions in your comment to which

777

00:29:24,740 --> 00:29:22,980

which is you know where do they come

778

00:29:27,830 --> 00:29:24,750

from you know do they come from other

779

00:29:30,680 --> 00:29:27,840

dimensions or extraterrestrials or gods

780

00:29:32,060 --> 00:29:30,690

or whatever write it beyond that you

781

00:29:33,890 --> 00:29:32,070

know where I thought it was really

782

00:29:35,930 --> 00:29:33,900

interesting where you took us in the

783

00:29:37,550 --> 00:29:35,940

book and I think what you were where you

784

00:29:40,070 --> 00:29:37,560

were going and reaching towards with the

785

00:29:41,840 --> 00:29:40,080

shared near-death experience in Raymond

786

00:29:45,590 --> 00:29:41,850

moody and the observers in the

787

00:29:48,970 --> 00:29:45,600

higher-order geometry is that you know

788

00:29:51,380 --> 00:29:48,980

we are so stuck in this materialistic

789

00:29:53,630 --> 00:29:51,390

scientific dogmatic thing and we'll talk

790

00:29:55,580 --> 00:29:53,640

about that in a minute but once we free

791

00:29:58,640 --> 00:29:55,590

ourselves from that is there the

792

00:30:01,910 --> 00:29:58,650

possibility to actually imagine a higher

793

00:30:05,300 --> 00:30:01,920

ordered science that already exists and

794

00:30:08,240 --> 00:30:05,310

we're observing in those situations and

795

00:30:10,280 --> 00:30:08,250

then where does that take us in terms of

796

00:30:12,710 --> 00:30:10,290

if they really do have a higher order

797

00:30:15,890 --> 00:30:12,720

then is there a whole parallel kind of

798

00:30:18,590 --> 00:30:15,900

science to to that that we have yet to

799

00:30:20,120 --> 00:30:18,600

explore yeah there may be I mean

800

00:30:22,250 --> 00:30:20,130

certainly one thing that you find when

801
00:30:24,890 --> 00:30:22,260
you you know when you study the history

802
00:30:27,170 --> 00:30:24,900
of science in the last 150 years is that

803
00:30:29,300 --> 00:30:27,180
you know scientists have been you know

804
00:30:31,190 --> 00:30:29,310
pretty committed to police policing the

805
00:30:33,860 --> 00:30:31,200
boundaries of their disciplines and one

806
00:30:36,110 --> 00:30:33,870
thing that they rule out is any kind of

807
00:30:38,270 --> 00:30:36,120
philosophical or even spiritual

808
00:30:39,950 --> 00:30:38,280
reflection right you see that in my

809
00:30:42,370 --> 00:30:39,960
first book that I mentioned earlier it

810
00:30:45,080 --> 00:30:42,380
looked pretty closely at the history of

811
00:30:47,540 --> 00:30:45,090
social sciences you know sociology

812
00:30:49,130 --> 00:30:47,550
psychology psychiatry sciences of mind

813
00:30:50,840 --> 00:30:49,140

and brain and one thing that the

814

00:30:53,390 --> 00:30:50,850

founders of those disciplines really

815

00:30:57,320 --> 00:30:53,400

work hard at is you know squeezing out

816

00:30:59,150 --> 00:30:57,330

any any mention of any kind of spiritual

817

00:31:00,740 --> 00:30:59,160

thing or any even philosophical

818

00:31:03,530 --> 00:31:00,750

questions and you know maybe you're

819

00:31:05,990 --> 00:31:03,540

right that in the future when scientists

820

00:31:08,810 --> 00:31:06,000

and social scientists are less allergic

821

00:31:11,120 --> 00:31:08,820

to or less afraid of thinking about

822

00:31:13,310 --> 00:31:11,130

these other orders of existence or

823

00:31:15,080 --> 00:31:13,320

thinking about spirit maybe that opens

824

00:31:18,530 --> 00:31:15,090

up a whole new way of thinking about and

825

00:31:20,630 --> 00:31:18,540

doing science right well that is one of

826

00:31:22,850 --> 00:31:20,640

the conclusions you have in the book or

827

00:31:24,740 --> 00:31:22,860

you have specific examples of where

828

00:31:27,530 --> 00:31:24,750

that's happening right and we all hear

829

00:31:29,130 --> 00:31:27,540

these stories of famous and fantastic

830

00:31:30,840 --> 00:31:29,140

scientists who

831

00:31:33,450 --> 00:31:30,850

just come right out and say hey it was

832

00:31:35,820 --> 00:31:33,460

it was a spiritual inspiration that led

833

00:31:38,430 --> 00:31:35,830

me to that discovery which makes us kind

834

00:31:41,610 --> 00:31:38,440

of wonder actually that's kind of a

835

00:31:43,890 --> 00:31:41,620

lead-in to the second topic that I

836

00:31:47,270 --> 00:31:43,900

wanted to kind of throw on the table for

837

00:31:50,310 --> 00:31:47,280

a discussion and that is the cathedral

838

00:31:52,020 --> 00:31:50,320

predates the city and I always like to

839

00:31:53,280 --> 00:31:52,030

give credit to Gordon White for this

840

00:31:55,680 --> 00:31:53,290

because he's the first one who really

841

00:31:58,740 --> 00:31:55,690

brought my attention to this quote that

842

00:32:01,799 --> 00:31:58,750

was that is attributed to Klaus Schmidt

843

00:32:04,470 --> 00:32:01,809

who was the guy who you know did the

844

00:32:07,530 --> 00:32:04,480

whole gobekli tepe thing in Turkey where

845

00:32:10,890 --> 00:32:07,540

they discover this enormous and amazing

846

00:32:13,730 --> 00:32:10,900

archaeological dig that is ten thousand

847

00:32:15,840 --> 00:32:13,740

at least at least 10,000 years before

848

00:32:18,690 --> 00:32:15,850

Egypt and the pyramids and all that

849

00:32:20,610 --> 00:32:18,700

stuff and of course one of the the

850

00:32:24,299 --> 00:32:20,620

takeaways that no one wants to kind of

851
00:32:27,990 --> 00:32:24,309
focus on very much is that now we've

852
00:32:30,870 --> 00:32:28,000
turned this whole myth of progress thing

853
00:32:32,880 --> 00:32:30,880
on its head and we always had this idea

854
00:32:34,350 --> 00:32:32,890
that okay well people get together and

855
00:32:37,169 --> 00:32:34,360
they're hunter-gatherers and then they

856
00:32:38,909 --> 00:32:37,179
finally get enough stuff together where

857
00:32:40,409 --> 00:32:38,919
they can build a city and then after

858
00:32:41,940 --> 00:32:40,419
they have a bunch of leisure time then

859
00:32:45,120 --> 00:32:41,950
they start sitting around and thinking

860
00:32:47,640 --> 00:32:45,130
about God like I'm as low as a hierarchy

861
00:32:50,490 --> 00:32:47,650
of needs or whatever exactly yeah and

862
00:32:52,230 --> 00:32:50,500
what what now the archaeological

863
00:32:55,140 --> 00:32:52,240

evidence is unfolding is telling us

864

00:32:57,000 --> 00:32:55,150

exactly the opposite which we were just

865

00:33:00,210 --> 00:32:57,010

talking about a minute ago that the

866

00:33:03,180 --> 00:33:00,220

spiritual impulse from everything we can

867

00:33:05,340 --> 00:33:03,190

tell is the impetus for all of this

868

00:33:07,530 --> 00:33:05,350

and it kind of makes me wonder in some

869

00:33:09,960 --> 00:33:07,540

ways are we looking through the wrong

870

00:33:12,539 --> 00:33:09,970

end of the telescope when we focus so

871

00:33:15,870 --> 00:33:12,549

much on science and how science has

872

00:33:18,510 --> 00:33:15,880

informed spirituality is it really the

873

00:33:20,220 --> 00:33:18,520

other way around and and if we can

874

00:33:22,380 --> 00:33:20,230

balance amount say oh well they're

875

00:33:24,780 --> 00:33:22,390

informing each other but if we kind of

876

00:33:26,490 --> 00:33:24,790

take a stand one way or another it kind

877

00:33:27,870 --> 00:33:26,500

of does give us a different perspective

878

00:33:30,000 --> 00:33:27,880

on the whole thing

879

00:33:31,799 --> 00:33:30,010

yeah I know that's that's a great point

880

00:33:33,299 --> 00:33:31,809

I mean I agree I think that you know

881

00:33:35,370 --> 00:33:33,309

they're just there seems to be something

882

00:33:37,440 --> 00:33:35,380

and human cultures around the world that

883

00:33:39,360 --> 00:33:37,450

that people seem to be born with you

884

00:33:42,210 --> 00:33:39,370

know they seem to be born with an

885

00:33:42,840 --> 00:33:42,220

interest in finding that orienting point

886

00:33:44,970 --> 00:33:42,850

or that

887

00:33:48,180 --> 00:33:44,980

kind of spiritual connection or the or

888

00:33:50,490 --> 00:33:48,190

maybe a sense of wonderment about what

889

00:33:52,289 --> 00:33:50,500

exists beyond and you know I'm not

890

00:33:54,060 --> 00:33:52,299

surprised right that you're pointing to

891

00:33:56,850 --> 00:33:54,070

the sort of the temple being the first

892

00:33:59,460 --> 00:33:56,860

the first consideration people seem to

893

00:34:01,560 --> 00:33:59,470

pursue that of course you know you know

894

00:34:03,149 --> 00:34:01,570

scientists do come they'll come around

895

00:34:04,860 --> 00:34:03,159

and have an explanation that's secular

896

00:34:06,810 --> 00:34:04,870

for that right which is that you know

897

00:34:09,030 --> 00:34:06,820

well this is this is sort of a you know

898

00:34:10,770 --> 00:34:09,040

an artifact of evolution that you know

899

00:34:14,069 --> 00:34:10,780

that people who have this kind of

900

00:34:15,960 --> 00:34:14,079

instinct will will be will be adapted

901
00:34:18,359 --> 00:34:15,970
better to the environment and they have

902
00:34:19,740 --> 00:34:18,369
better survival skills and so on so you

903
00:34:21,930 --> 00:34:19,750
know some religious people have actually

904
00:34:23,399 --> 00:34:21,940
you know made religious arguments about

905
00:34:25,200 --> 00:34:23,409
that impulse and said that this is an

906
00:34:27,480 --> 00:34:25,210
impulse that is the starting point and

907
00:34:27,869 --> 00:34:27,490
that is sort of a god-given starting

908
00:34:29,159 --> 00:34:27,879
point

909
00:34:30,899 --> 00:34:29,169
CS Lewis actually made this argument

910
00:34:32,579 --> 00:34:30,909
many many people make this argument but

911
00:34:34,260 --> 00:34:32,589
scientists do turn it around you know

912
00:34:35,790 --> 00:34:34,270
they end to say that well no this is

913
00:34:37,740 --> 00:34:35,800

just kind of an artifact of evolution

914

00:34:38,940 --> 00:34:37,750

and it doesn't actually point to

915

00:34:40,530 --> 00:34:38,950

anything real

916

00:34:43,770 --> 00:34:40,540

it doesn't actually point to any real

917

00:34:46,020 --> 00:34:43,780

beyond or the existence of a real beyond

918

00:34:48,000 --> 00:34:46,030

supernatural so doesn't that kind of beg

919

00:34:50,430 --> 00:34:48,010

the question though I mean that they

920

00:34:52,730 --> 00:34:50,440

want to use that as the arbitrary

921

00:34:55,109 --> 00:34:52,740

starting point then in terms of the

922

00:34:56,669 --> 00:34:55,119

evolutionary process which doesn't make

923

00:35:00,089 --> 00:34:56,679

any sense but you know I feel like those

924

00:35:02,339 --> 00:35:00,099

debates kind of go in circles that would

925

00:35:04,020 --> 00:35:02,349

they don't really wind up anywhere but I

926
00:35:05,520 --> 00:35:04,030
do have to interject there because I

927
00:35:08,069 --> 00:35:05,530
think what's important about that

928
00:35:10,460 --> 00:35:08,079
discussion and about materialistic

929
00:35:12,930 --> 00:35:10,470
science and its complete failure

930
00:35:14,700 --> 00:35:12,940
scientifically not only that but

931
00:35:15,210 --> 00:35:14,710
philosophically which we can talk about

932
00:35:18,240 --> 00:35:15,220
in a minute

933
00:35:21,180 --> 00:35:18,250
is I go back to the consciousness thing

934
00:35:23,849 --> 00:35:21,190
yeah and the near-death experience thing

935
00:35:27,780 --> 00:35:23,859
so that little bit of science tells me

936
00:35:32,270 --> 00:35:27,790
okay the neurological models that we

937
00:35:34,980 --> 00:35:32,280
have are either a completely wrong or B

938
00:35:37,829 --> 00:35:34,990

suggests that they can't handle the

939

00:35:40,460 --> 00:35:37,839

evidence that we have because clearly

940

00:35:43,380 --> 00:35:40,470

the evidence we have is that people have

941

00:35:46,559 --> 00:35:43,390

states in which they aren't supposed to

942

00:35:48,900 --> 00:35:46,569

be able to form memories have experience

943

00:35:51,839 --> 00:35:48,910

let alone have the most significant

944

00:35:54,150 --> 00:35:51,849

experiences of their life yeah so their

945

00:35:56,490 --> 00:35:54,160

brains their physiology isn't supposed

946

00:35:59,180 --> 00:35:56,500

to be able to do that and yet scientists

947

00:36:02,190 --> 00:35:59,190

we can match their reports of those

948

00:36:05,280 --> 00:36:02,200

experiences with being in that body

949

00:36:07,520 --> 00:36:05,290

state so again the whole skeptical thing

950

00:36:10,830 --> 00:36:07,530

I don't know why we have to try and

951

00:36:13,790 --> 00:36:10,840

balance the scales they don't really

952

00:36:15,870 --> 00:36:13,800

have any substance to their arguments

953

00:36:18,470 --> 00:36:15,880

consciousness as far as we can tell from

954

00:36:21,390 --> 00:36:18,480

the evidence at hand seems to survive

955

00:36:24,330 --> 00:36:21,400

bodily death or at least compromise

956

00:36:28,260 --> 00:36:24,340

brain States in a way that undermines

957

00:36:29,970 --> 00:36:28,270

the kind of nitwit neurological model

958

00:36:32,250 --> 00:36:29,980

that we have isn't that a case closed

959

00:36:35,130 --> 00:36:32,260

kind of thing well unfortunately as you

960

00:36:37,350 --> 00:36:35,140

know it's not because like a lot of a

961

00:36:38,880 --> 00:36:37,360

lot of a lot of scientists you know it

962

00:36:40,590 --> 00:36:38,890

may be for some of the reasons we've

963

00:36:42,540 --> 00:36:40,600

already talked about in terms of you

964

00:36:44,790 --> 00:36:42,550

know the ways that scientists

965

00:36:46,380 --> 00:36:44,800

psychologists neurologists you know kind

966

00:36:48,030 --> 00:36:46,390

of police the limits of their discipline

967

00:36:49,890 --> 00:36:48,040

but whenever something like that comes

968

00:36:52,230 --> 00:36:49,900

up I think they you know you you might

969

00:36:54,180 --> 00:36:52,240

either kind of you know rule it out as

970

00:36:55,440 --> 00:36:54,190

saying well I can't talk about that

971

00:36:57,510 --> 00:36:55,450

because it's not quote-unquote

972

00:36:59,220 --> 00:36:57,520

scientific as I've as I've defined what

973

00:37:01,200 --> 00:36:59,230

scientific it is or or they'll try to

974

00:37:03,930 --> 00:37:01,210

develop an alternate explanation now I

975

00:37:05,490 --> 00:37:03,940

think like you I don't really find you

976

00:37:08,010 --> 00:37:05,500

know the alternate explanations as

977

00:37:09,290 --> 00:37:08,020

persuasive as as some scientists do

978

00:37:12,210 --> 00:37:09,300

right because I mean as you know

979

00:37:14,160 --> 00:37:12,220

scientists will come up with you know

980

00:37:15,960 --> 00:37:14,170

their own explanations for you know how

981

00:37:17,100 --> 00:37:15,970

it might be possible in the last moments

982

00:37:19,260 --> 00:37:17,110

of life to have these kind of

983

00:37:22,590 --> 00:37:19,270

experiences and so on like you I don't

984

00:37:23,820 --> 00:37:22,600

find those persuasive so what can you

985

00:37:25,530 --> 00:37:23,830

say it's sort of like you said is that

986

00:37:27,660 --> 00:37:25,540

gonna go you can kind of go around and

987

00:37:29,070 --> 00:37:27,670

around but I do think that on the issue

988

00:37:31,860 --> 00:37:29,080

of consciousness you're right I think

989

00:37:34,200 --> 00:37:31,870

that when you consciousness for the last

990

00:37:35,970 --> 00:37:34,210

50 years has been a kind of um you know

991

00:37:39,540 --> 00:37:35,980

an inflection point for science I think

992

00:37:43,260 --> 00:37:39,550

it's been a category that that creates a

993

00:37:45,840 --> 00:37:43,270

lot of tension and and hand wringing you

994

00:37:47,940 --> 00:37:45,850

know now right with quantum mechanics

995

00:37:49,950 --> 00:37:47,950

and the ways that it is moved

996

00:37:52,110 --> 00:37:49,960

subjectivity human subjectivity and

997

00:37:54,780 --> 00:37:52,120

consciousness to the foreground I think

998

00:37:57,510 --> 00:37:54,790

that creates so many so much anxiety

999

00:37:59,130 --> 00:37:57,520

right for for scientists right because

1000

00:38:00,150 --> 00:37:59,140

of the issue that I mentioned earlier

1001

00:38:03,800 --> 00:38:00,160

which is that you know they've been

1002

00:38:06,900 --> 00:38:03,810

pretty determined to kind of keep out

1003

00:38:09,930 --> 00:38:06,910

keep keep out outside of the boundaries

1004

00:38:11,700 --> 00:38:09,940

of science these kind of questions about

1005

00:38:14,010 --> 00:38:11,710

you know things that might transcend the

1006

00:38:17,040 --> 00:38:14,020

material world and consciousness really

1007

00:38:19,080 --> 00:38:17,050

provides you know a lot of trouble right

1008

00:38:20,520 --> 00:38:19,090

you know all these theories and physics

1009

00:38:22,500 --> 00:38:20,530

and quantum mechanics about the role of

1010

00:38:25,710 --> 00:38:22,510

the conscious observer you know it seems

1011

00:38:27,810 --> 00:38:25,720

to have some sort of role in shaping or

1012

00:38:29,850 --> 00:38:27,820

influencing physical reality at the

1013

00:38:32,310 --> 00:38:29,860

quantum level and and then all kinds of

1014

00:38:33,900 --> 00:38:32,320

ways of trying to interpret you know or

1015

00:38:35,280 --> 00:38:33,910

explain away you know how that could be

1016

00:38:37,200 --> 00:38:35,290

possible right and the history of

1017

00:38:39,510 --> 00:38:37,210

quantum mechanics or just what you had

1018

00:38:41,700 --> 00:38:39,520

in the 50s nineteen fifty forty fifties

1019

00:38:44,370 --> 00:38:41,710

and sixties just a lot of people saying

1020

00:38:46,650 --> 00:38:44,380

look just forget about that hey now just

1021

00:38:49,290 --> 00:38:46,660

you know let's just be physicists and

1022

00:38:50,310 --> 00:38:49,300

kind of calculate and not talk about you

1023

00:38:52,770 --> 00:38:50,320

know those things that we don't

1024

00:38:55,260 --> 00:38:52,780

understand one of which is the role of

1025

00:38:57,450 --> 00:38:55,270

subjectivity in shaping physical reality

1026

00:38:58,890 --> 00:38:57,460

let's just not talk about that and let's

1027

00:39:01,140 --> 00:38:58,900

just do our work you know the equation

1028

00:39:02,550 --> 00:39:01,150

seems to work so again that that's a

1029

00:39:05,060 --> 00:39:02,560

group of scientists who are just sort of

1030

00:39:07,230 --> 00:39:05,070

ruling out a conversation and

1031

00:39:09,570 --> 00:39:07,240

consciousness is it is a tricky issue

1032

00:39:11,520 --> 00:39:09,580

and as I'm sure you know you know some

1033

00:39:13,830 --> 00:39:11,530

of these what mate what makes it worse

1034

00:39:15,570 --> 00:39:13,840

these businesses some of the some very

1035

00:39:17,820 --> 00:39:15,580

prominent physicists within their myths

1036

00:39:19,440 --> 00:39:17,830

right they start to go off and have

1037

00:39:21,390 --> 00:39:19,450

these kind of spiritual and

1038

00:39:23,760 --> 00:39:21,400

philosophical reflections you know and

1039

00:39:26,220 --> 00:39:23,770

say things like you know like well I

1040

00:39:27,870 --> 00:39:26,230

think you know in order for our world to

1041

00:39:29,610 --> 00:39:27,880

exist like it does you know we must have

1042

00:39:32,160 --> 00:39:29,620

we must have a god that's the ultimate

1043

00:39:34,140 --> 00:39:32,170

consciousness and God you know observed

1044

00:39:36,420 --> 00:39:34,150

the universe and provoked it into into a

1045

00:39:38,370 --> 00:39:36,430

concrete existent you know like Eugene

1046

00:39:39,840 --> 00:39:38,380

Wigner it's Nobel Prize when he visits

1047

00:39:42,090 --> 00:39:39,850

us who who makes that kind of statement

1048

00:39:44,370 --> 00:39:42,100

right that even causes more anxiety for

1049

00:39:46,200 --> 00:39:44,380

the physicists right so oh my god you

1050

00:39:48,630 --> 00:39:46,210

know you can't talk we can't talk like

1051

00:39:51,360 --> 00:39:48,640

this so but but you're right

1052

00:39:53,370 --> 00:39:51,370

consciousness has become a real thorn

1053

00:39:55,620 --> 00:39:53,380

you know and a real difficult issue for

1054

00:39:58,440 --> 00:39:55,630

scientists who want to rule out broader

1055

00:40:00,360 --> 00:39:58,450

philosophical conversation you know I

1056

00:40:03,630 --> 00:40:00,370

actually think this shut up and

1057

00:40:07,410 --> 00:40:03,640

calculate your assertion is kind of a

1058

00:40:09,390 --> 00:40:07,420

more intellectually honest approach that

1059

00:40:12,980 --> 00:40:09,400

the only problem I see with it is that

1060

00:40:15,090 --> 00:40:12,990

they then forget that they've done a

1061

00:40:17,580 --> 00:40:15,100

philosophical bypass with the whole

1062

00:40:20,280 --> 00:40:17,590

problem I mean it's no there's there's

1063

00:40:21,870 --> 00:40:20,290

no issue for me in reaching an impasse

1064

00:40:23,640 --> 00:40:21,880

and saying you know what let's set that

1065

00:40:26,070 --> 00:40:23,650

aside so we can go

1066

00:40:29,190 --> 00:40:26,080

do our calculations and build our iPhone

1067

00:40:33,720 --> 00:40:29,200

that's great but you can't then pretend

1068

00:40:35,400 --> 00:40:33,730

like you didn't do that sidestep well

1069

00:40:37,200 --> 00:40:35,410

you know yeah exactly but as you know

1070

00:40:38,610 --> 00:40:37,210

this I have all kinds of ways of you

1071

00:40:39,870 --> 00:40:38,620

know reasoning out reasoning in

1072

00:40:41,790 --> 00:40:39,880

themselves out of these things

1073

00:40:43,680 --> 00:40:41,800

well and one thing they say is like well

1074

00:40:45,600 --> 00:40:43,690

as I define science those questions

1075

00:40:47,640 --> 00:40:45,610

don't fit in with with my definition so

1076

00:40:49,200 --> 00:40:47,650

you know I don't talk about them but

1077

00:40:52,080 --> 00:40:49,210

that's just a way of punting the ball

1078

00:40:54,090 --> 00:40:52,090

and giving up you know and it's it's not

1079

00:40:56,430 --> 00:40:54,100

a very and then the other issue is you

1080

00:40:57,900 --> 00:40:56,440

know that often materialist worldviews

1081

00:40:59,760 --> 00:40:57,910

kind of sneak in the back door or

1082

00:41:01,920 --> 00:40:59,770

they're operating at all kinds of levels

1083

00:41:03,930 --> 00:41:01,930

that these scientists scientists are not

1084

00:41:06,150 --> 00:41:03,940

willing to admit they are actually

1085

00:41:08,460 --> 00:41:06,160

privileged in a metaphysical system you

1086

00:41:10,710 --> 00:41:08,470

know it's it's it's materialism you know

1087

00:41:12,660 --> 00:41:10,720

it's it's um physicalism or whatever you

1088

00:41:15,840 --> 00:41:12,670

want to call it on with a high degree of

1089

00:41:17,790 --> 00:41:15,850

faith really so if you look at it from

1090

00:41:20,660 --> 00:41:17,800

that perspective they've chosen a

1091

00:41:23,850 --> 00:41:20,670

starting point yes and they've chosen an

1092

00:41:27,230 --> 00:41:23,860

unproven theory that is scientific

1093

00:41:30,540 --> 00:41:27,240

materialism and they've put that above

1094

00:41:32,970 --> 00:41:30,550

experience right so how everyone hasn't

1095

00:41:35,460 --> 00:41:32,980

the experience of being conscious of

1096

00:41:38,040 --> 00:41:35,470

there being a reality to their conscious

1097

00:41:39,990 --> 00:41:38,050

experience so if we set aside whether

1098

00:41:41,940 --> 00:41:40,000

that is real or whether you should trust

1099

00:41:43,200 --> 00:41:41,950

your experience at least we have to

1100

00:41:45,720 --> 00:41:43,210

acknowledge that that's your experience

1101

00:41:47,850 --> 00:41:45,730

and then so philosophically if you're

1102

00:41:49,140 --> 00:41:47,860

choosing something different what are

1103

00:41:51,480 --> 00:41:49,150

you choosing well you're choosing a

1104

00:41:53,760 --> 00:41:51,490

theory well that's okay has that Theory

1105

00:41:57,480 --> 00:41:53,770

been tested and proven well no it really

1106

00:42:01,830 --> 00:41:57,490

hasn't been proven in terms of in in a

1107

00:42:03,960 --> 00:42:01,840

real robust way in terms of establishing

1108

00:42:06,300 --> 00:42:03,970

scientific materialism and you and I are

1109

00:42:08,700 --> 00:42:06,310

talking about as a matter of fact the

1110

00:42:10,590 --> 00:42:08,710

data the more you look at it suggests

1111

00:42:12,360 --> 00:42:10,600

that that theory really has been

1112

00:42:14,730 --> 00:42:12,370

falsified over and over again so it's

1113

00:42:17,340 --> 00:42:14,740

kind of a strange situation we find

1114

00:42:18,750 --> 00:42:17,350

ourselves in yeah I think so I mean I

1115

00:42:20,880 --> 00:42:18,760

think you know people do have a

1116

00:42:22,800 --> 00:42:20,890

metaphysical starting point which as you

1117

00:42:25,140 --> 00:42:22,810

say is not really a proven thing but is

1118

00:42:27,750 --> 00:42:25,150

more just the set of assumptions I'm

1119

00:42:29,250 --> 00:42:27,760

accepting and you know they include that

1120

00:42:30,900 --> 00:42:29,260

they include that they're all there is

1121

00:42:33,390 --> 00:42:30,910

as matter you know in the world

1122

00:42:36,570 --> 00:42:33,400

give me one miracle and I can explain

1123

00:42:37,349 --> 00:42:36,580

the rest you know and that kind of leads

1124

00:42:39,719 --> 00:42:37,359

into the

1125

00:42:41,099 --> 00:42:39,729

the third and the the last big topic I

1126
00:42:43,920 --> 00:42:41,109
had and then we can talk about other

1127
00:42:45,390 --> 00:42:43,930
stuff anything yeah I miss you but and

1128
00:42:47,640 --> 00:42:45,400
this is kind of a tough one I'm going to

1129
00:42:59,839 --> 00:42:47,650
pull you into the deep waters here Chris

1130
00:43:02,729 --> 00:42:59,849
but here's how I've labeled it

1131
00:43:05,489 --> 00:43:02,739
scientific materialism social

1132
00:43:08,999 --> 00:43:05,499
engineering and the spirituality of

1133
00:43:13,410 --> 00:43:09,009
dystopia and I want to throw out the

1134
00:43:17,249 --> 00:43:13,420
idea that this wacky scientific

1135
00:43:20,339 --> 00:43:17,259
materialism and it is wacky has its

1136
00:43:23,099 --> 00:43:20,349
roots in a social engineering project in

1137
00:43:25,319 --> 00:43:23,109
a project that in a lot of ways if we

1138
00:43:26,789 --> 00:43:25,329

look at the I don't want to say deep

1139

00:43:27,989 --> 00:43:26,799

state and shadow government cuz it kind

1140

00:43:29,609 --> 00:43:27,999

of throws people in a lot of different

1141

00:43:31,469 --> 00:43:29,619

ways but if we look at the remote

1142

00:43:33,719 --> 00:43:31,479

viewing research that's done at Stanford

1143

00:43:36,180 --> 00:43:33,729

Research Institute okay that's just

1144

00:43:37,650 --> 00:43:36,190

solid stuff you can trace the money in

1145

00:43:39,809 --> 00:43:37,660

Stanford Research Institute and they

1146

00:43:41,729 --> 00:43:39,819

really did all this stuff or if you look

1147

00:43:43,859 --> 00:43:41,739

at the MKULTRA stuff which is really

1148

00:43:45,420 --> 00:43:43,869

sinister but it's still real they did it

1149

00:43:47,819 --> 00:43:45,430

and we have the documents and all that

1150

00:43:50,370 --> 00:43:47,829

stuff it's clear that these guys didn't

1151
00:43:54,089 --> 00:43:50,380
believe in scientific materialism they

1152
00:43:57,209 --> 00:43:54,099
were way off the reservation on this so

1153
00:43:59,370 --> 00:43:57,219
that brings me back to the understanding

1154
00:44:01,529 --> 00:43:59,380
or the idea or at least willing to

1155
00:44:05,009 --> 00:44:01,539
consider that what this scientific

1156
00:44:06,930 --> 00:44:05,019
materialism is about is really social

1157
00:44:10,229 --> 00:44:06,940
engineering however you want to kind of

1158
00:44:13,640 --> 00:44:10,239
put that it's it's part of of a meme

1159
00:44:17,009 --> 00:44:13,650
that makes people more I don't know

1160
00:44:20,880 --> 00:44:17,019
controllable or just heads culture in a

1161
00:44:23,759 --> 00:44:20,890
way that certain groups think might be

1162
00:44:26,459 --> 00:44:23,769
advantageous for culture to move to for

1163
00:44:28,140 --> 00:44:26,469

whatever reasons but linked with that

1164

00:44:32,430 --> 00:44:28,150

and this is really the troubling part

1165

00:44:35,189 --> 00:44:32,440

that I see is this this dystopia that

1166

00:44:37,170 --> 00:44:35,199

you know I we shared a link as your pop

1167

00:44:39,180 --> 00:44:37,180

culture guy and you know shared a link

1168

00:44:41,099 --> 00:44:39,190

to the black mirror show which is really

1169

00:44:43,140 --> 00:44:41,109

a cool show and I just watch with my

1170

00:44:45,209 --> 00:44:43,150

wife then we just watched the latest

1171

00:44:48,900 --> 00:44:45,219

episode which was really cool but it's

1172

00:44:51,359 --> 00:44:48,910

also freaking depressing it's you just

1173

00:44:53,880 --> 00:44:51,369

want to take a shower afterward

1174

00:44:56,960 --> 00:44:53,890

you know this is the vision for where

1175

00:44:59,520 --> 00:44:56,970

this advancement this technological

1176
00:45:02,460 --> 00:44:59,530
advancement this scientific advancement

1177
00:45:04,890 --> 00:45:02,470
this is where it will lead lead us your

1178
00:45:07,770 --> 00:45:04,900
book is refreshing it's uplifting and

1179
00:45:10,530 --> 00:45:07,780
it's certainly inspiring but I don't get

1180
00:45:13,710 --> 00:45:10,540
that from what our culture is telling us

1181
00:45:16,530 --> 00:45:13,720
about science and where science is going

1182
00:45:19,410 --> 00:45:16,540
and I do suspect that there's another

1183
00:45:21,960 --> 00:45:19,420
agenda behind this what are your

1184
00:45:24,090 --> 00:45:21,970
thoughts yeah those are those are big

1185
00:45:25,680 --> 00:45:24,100
questions I mean a couple of things I

1186
00:45:28,770 --> 00:45:25,690
would say that you know just of to

1187
00:45:31,650 --> 00:45:28,780
divide you know American history over

1188
00:45:33,990 --> 00:45:31,660

the last 150 years you know and maybe we

1189

00:45:35,730 --> 00:45:34,000

divide it around you know 1950 or

1190

00:45:38,430 --> 00:45:35,740

something but I would say that you know

1191

00:45:41,010 --> 00:45:38,440

between 1850 and 1950 you know you have

1192

00:45:42,750 --> 00:45:41,020

the rise of science you know when you go

1193

00:45:45,990 --> 00:45:42,760

back and read people from that period

1194

00:45:48,990 --> 00:45:46,000

there's a lot of euphoria about about

1195

00:45:51,480 --> 00:45:49,000

science about social sciences about

1196

00:45:53,550 --> 00:45:51,490

biology you know chemistry physics

1197

00:45:56,160 --> 00:45:53,560

there's a lot of euphoria and a lot of

1198

00:45:58,109 --> 00:45:56,170

hope and optimism and a sense of that if

1199

00:46:00,420 --> 00:45:58,119

we just keep working and get better and

1200

00:46:02,820 --> 00:46:00,430

better and and devote more more funding

1201
00:46:04,920 --> 00:46:02,830
to big science that we're going to be

1202
00:46:07,080 --> 00:46:04,930
able to solve problems and we're gonna

1203
00:46:08,220 --> 00:46:07,090
be able to you know this gets back to

1204
00:46:09,930 --> 00:46:08,230
your question about social engineering

1205
00:46:12,120 --> 00:46:09,940
but we're gonna be able to solve human

1206
00:46:14,060 --> 00:46:12,130
problems we're gonna be able to raise

1207
00:46:16,349 --> 00:46:14,070
better babies we're gonna be able to

1208
00:46:18,840 --> 00:46:16,359
raise better people we're gonna be able

1209
00:46:21,300 --> 00:46:18,850
to you know have a lot of success in

1210
00:46:23,520 --> 00:46:21,310
technology and I think it I think we

1211
00:46:25,140 --> 00:46:23,530
should say that a lot of that was true I

1212
00:46:27,530 --> 00:46:25,150
mean I think we should say that science

1213
00:46:29,310 --> 00:46:27,540

does is amazing and amazing like

1214

00:46:31,410 --> 00:46:29,320

antibiotics

1215

00:46:33,690 --> 00:46:31,420

you know prosthetic limbs um you know

1216

00:46:35,640 --> 00:46:33,700

new technologies like the iPhone I mean

1217

00:46:38,520 --> 00:46:35,650

there is a way in which between 1850 and

1218

00:46:40,670 --> 00:46:38,530

1950 a lot of amazing things did happen

1219

00:46:43,770 --> 00:46:40,680

I mean telephones right television

1220

00:46:45,570 --> 00:46:43,780

electric light so science was this thing

1221

00:46:47,790 --> 00:46:45,580

that people embraced with awe and wonder

1222

00:46:50,609 --> 00:46:47,800

and and people were fully on board with

1223

00:46:53,300 --> 00:46:50,619

and many of the cultural authorities in

1224

00:46:56,220 --> 00:46:53,310

this country right we're embracing and

1225

00:46:58,440 --> 00:46:56,230

putting tax dollars behind and all the

1226

00:47:00,210 --> 00:46:58,450

way through to through the wars for sure

1227

00:47:03,390 --> 00:47:00,220

right which with the wars themselves

1228

00:47:04,349 --> 00:47:03,400

were great incubators of new medical

1229

00:47:05,759 --> 00:47:04,359

science and

1230

00:47:07,859 --> 00:47:05,769

other kinds of technologies and

1231

00:47:10,229 --> 00:47:07,869

obviously wars are not great examples of

1232

00:47:11,819 --> 00:47:10,239

what what technology can do but so I

1233

00:47:14,309 --> 00:47:11,829

think technology and science there was

1234

00:47:16,950 --> 00:47:14,319

this really forea a lot of optimism

1235

00:47:19,529 --> 00:47:16,960

about it and I think if you watch the

1236

00:47:22,109 --> 00:47:19,539

sci-fi equivalentents of you know stranger

1237

00:47:24,900 --> 00:47:22,119

things for instance right back in 1940

1238

00:47:26,729 --> 00:47:24,910

it looks different I think you know even

1239

00:47:29,519 --> 00:47:26,739

even some of the Twilight Zone you know

1240

00:47:32,069 --> 00:47:29,529

you have these kind of heroic lab white

1241

00:47:35,099 --> 00:47:32,079

lab coat at figure male scientists who

1242

00:47:36,960 --> 00:47:35,109

basically you know save the day so I

1243

00:47:38,279 --> 00:47:36,970

think science back then was one thing

1244

00:47:40,529 --> 00:47:38,289

and then I think what's happened now

1245

00:47:42,539 --> 00:47:40,539

since 1950 is a maybe a slightly

1246

00:47:45,809 --> 00:47:42,549

different picture that we're getting

1247

00:47:48,089 --> 00:47:45,819

from artists and cultural elites on

1248

00:47:50,970 --> 00:47:48,099

television film and you're right it

1249

00:47:53,640 --> 00:47:50,980

looks very dystopian you know stranger

1250

00:47:55,049 --> 00:47:53,650

things or you know a lot of sci-fi about

1251

00:47:57,989 --> 00:47:55,059

other dimensions

1252

00:48:00,299 --> 00:47:57,999

you know the matrix a lot of these shows

1253

00:48:02,549 --> 00:48:00,309

or even the new film interstellar from

1254

00:48:05,249 --> 00:48:02,559

2014 a lot of these films are about

1255

00:48:07,589 --> 00:48:05,259

dystopias and the dystopias are created

1256

00:48:09,450 --> 00:48:07,599

by science got run amuck I mean our

1257

00:48:10,380 --> 00:48:09,460

technologies run amok and they've

1258

00:48:13,829 --> 00:48:10,390

destroyed the world

1259

00:48:16,529 --> 00:48:13,839

you know I'm global warming you know has

1260

00:48:18,660 --> 00:48:16,539

has destroyed the world right and so in

1261

00:48:21,569 --> 00:48:18,670

in since nineteen fifty or sixty I think

1262

00:48:23,700 --> 00:48:21,579

there's been a kind of a turn and much

1263

00:48:25,739 --> 00:48:23,710

more skepticism about science and what

1264

00:48:28,979 --> 00:48:25,749

it what it's bringing us much more

1265

00:48:31,019 --> 00:48:28,989

skepticism about technology and and

1266

00:48:34,289 --> 00:48:31,029

about nuclear power and nuclear weapons

1267

00:48:36,390 --> 00:48:34,299

and so I think I think you know there is

1268

00:48:38,099 --> 00:48:36,400

a there is a turning point there you

1269

00:48:40,470 --> 00:48:38,109

know but but I have to wonder in the

1270

00:48:42,749 --> 00:48:40,480

same way that your book explores the you

1271

00:48:45,749 --> 00:48:42,759

know the interaction between science and

1272

00:48:48,539 --> 00:48:45,759

spirituality there's definitely an

1273

00:48:52,140 --> 00:48:48,549

interaction between the the social

1274

00:48:54,210 --> 00:48:52,150

engineering project and the evolving of

1275

00:48:55,019 --> 00:48:54,220

culture you know so I just wonder which

1276

00:48:56,729 --> 00:48:55,029

comes first

1277

00:49:00,180 --> 00:48:56,739

I think there's there was a certain

1278

00:49:03,799 --> 00:49:00,190

awakening it within our culture that

1279

00:49:07,019 --> 00:49:03,809

exposed the of the perfect

1280

00:49:10,410 --> 00:49:07,029

1940s 50s lab code scientist that's the

1281

00:49:12,809 --> 00:49:10,420

1960s exactly so they become unmasked

1282

00:49:15,509 --> 00:49:12,819

and one thing that we know from studying

1283

00:49:18,270 --> 00:49:15,519

the social engineering project is those

1284

00:49:21,420 --> 00:49:18,280

guys are sharp and they're one step

1285

00:49:24,090 --> 00:49:21,430

of the game so then the game shifts to

1286

00:49:27,090 --> 00:49:24,100

what's the ultimate co-opt is to then

1287

00:49:29,610 --> 00:49:27,100

jump on that side and go yeah those guys

1288

00:49:33,120 --> 00:49:29,620

in the lab coats they're not so great

1289

00:49:35,640 --> 00:49:33,130

there is this dystopic future but then

1290

00:49:37,260 --> 00:49:35,650

that is co-opted as well to tell a

1291

00:49:39,840 --> 00:49:37,270

different story you know

1292

00:49:41,880 --> 00:49:39,850

it then leads to something else the

1293

00:49:43,530 --> 00:49:41,890

example I often use because it's such a

1294

00:49:46,710 --> 00:49:43,540

great one and people so many people

1295

00:49:49,140 --> 00:49:46,720

aren't aware of it is like feminism and

1296

00:49:52,080 --> 00:49:49,150

Gloria Steinem because she's totally

1297

00:49:54,570 --> 00:49:52,090

been outed as a CIA operative not just

1298

00:49:57,150 --> 00:49:54,580

during her little feminist project but a

1299

00:49:59,640 --> 00:49:57,160

lifetime player who's still involved

1300

00:50:01,260 --> 00:49:59,650

with these kind of bizarre women's

1301
00:50:02,910 --> 00:50:01,270
rights for Syria you know one of the

1302
00:50:05,430 --> 00:50:02,920
most secular countries in the Middle

1303
00:50:06,240 --> 00:50:05,440
East the point being there's nothing to

1304
00:50:09,210 --> 00:50:06,250
get upset about

1305
00:50:12,090 --> 00:50:09,220
of course feminism had a just cause a

1306
00:50:14,400 --> 00:50:12,100
just purpose just goals behind it but

1307
00:50:17,820 --> 00:50:14,410
the co-opting of it is the interesting

1308
00:50:19,830 --> 00:50:17,830
part how they get in there and then they

1309
00:50:21,990 --> 00:50:19,840
just want a foot in the door to be able

1310
00:50:24,540 --> 00:50:22,000
to shape things the way that they want

1311
00:50:27,540 --> 00:50:24,550
and I just wonder and worry if that's

1312
00:50:30,360 --> 00:50:27,550
what we're seeing with with science and

1313
00:50:32,700 --> 00:50:30,370

the way scientific materialism even

1314

00:50:35,720 --> 00:50:32,710

though it's fails again and again and

1315

00:50:38,640 --> 00:50:35,730

again it gets propped up and it gets

1316

00:50:40,650 --> 00:50:38,650

Rhiannon and like you said it you know

1317

00:50:43,470 --> 00:50:40,660

it never seems to die there's always

1318

00:50:45,540 --> 00:50:43,480

another explanation as bizarre as it can

1319

00:50:48,000 --> 00:50:45,550

be and they're all those explanations

1320

00:50:51,360 --> 00:50:48,010

always come from our quote-unquote top

1321

00:50:53,280 --> 00:50:51,370

scientists and meanwhile you know but

1322

00:50:55,800 --> 00:50:53,290

we're being told that the result of all

1323

00:50:59,300 --> 00:50:55,810

this what it's going to lead to is not

1324

00:51:01,980 --> 00:50:59,310

very good and not very positive so a

1325

00:51:05,130 --> 00:51:01,990

long-winded there but is this transition

1326

00:51:07,500 --> 00:51:05,140

that you're talking about which I see

1327

00:51:10,980 --> 00:51:07,510

and I think everybody sees is that

1328

00:51:14,310 --> 00:51:10,990

potentially another co-op move you know

1329

00:51:16,230 --> 00:51:14,320

where that's been co-opted yeah yeah

1330

00:51:17,850 --> 00:51:16,240

it's a good question I mean I think that

1331

00:51:20,820 --> 00:51:17,860

I think that when we talk about you know

1332

00:51:21,960 --> 00:51:20,830

what what they're doing in terms of you

1333

00:51:23,520 --> 00:51:21,970

know those people who are doing the

1334

00:51:25,380 --> 00:51:23,530

social engineering I might want to break

1335

00:51:27,210 --> 00:51:25,390

that down a little bit and and talk

1336

00:51:28,950 --> 00:51:27,220

about different types of people you know

1337

00:51:32,630 --> 00:51:28,960

I might want to talk about you know

1338

00:51:34,220 --> 00:51:32,640

artists people involved in the media

1339

00:51:37,099 --> 00:51:34,230

you know you might want to talk about

1340

00:51:38,839 --> 00:51:37,109

government because you know you might me

1341

00:51:40,880 --> 00:51:38,849

talk about corporations and advertising

1342

00:51:43,220 --> 00:51:40,890

you might you might want to talk about

1343

00:51:44,720 --> 00:51:43,230

this big business and I think everybody

1344

00:51:46,670 --> 00:51:44,730

has a different you know a different

1345

00:51:48,710 --> 00:51:46,680

angle on this but you know what when I

1346

00:51:51,290 --> 00:51:48,720

when I think about like the dystopian

1347

00:51:53,180 --> 00:51:51,300

fiction which is in novels and in

1348

00:51:55,520 --> 00:51:53,190

television and films I mean I see

1349

00:51:57,500 --> 00:51:55,530

something different there I I don't know

1350

00:51:59,900 --> 00:51:57,510

that I see that as an effort by elites

1351
00:52:02,150 --> 00:51:59,910
to kind of get our attention by by

1352
00:52:04,940 --> 00:52:02,160
playing out our dystopian sort of years

1353
00:52:07,190 --> 00:52:04,950
or fantasies I see that more as kind of

1354
00:52:10,490 --> 00:52:07,200
a reflection of kind of a skepticism

1355
00:52:12,200 --> 00:52:10,500
about big bit big business or big

1356
00:52:16,370 --> 00:52:12,210
government you know I kind of see some

1357
00:52:17,930 --> 00:52:16,380
of those visions as pushing back right

1358
00:52:19,579 --> 00:52:17,940
rather than co-opt you know I see those

1359
00:52:20,809 --> 00:52:19,589
visions in some ways that's kind of

1360
00:52:22,430 --> 00:52:20,819
pushing back in the same ways that

1361
00:52:24,109 --> 00:52:22,440
people in the sixties sort of push back

1362
00:52:25,940 --> 00:52:24,119
and said you know what big government is

1363
00:52:28,010 --> 00:52:25,950

not it doesn't have our best interests

1364

00:52:30,140 --> 00:52:28,020

at heart right or the the US military is

1365

00:52:32,510 --> 00:52:30,150

kind of in it for itself so I see some

1366

00:52:34,670 --> 00:52:32,520

of the artistic and fictional and a

1367

00:52:37,640 --> 00:52:34,680

televisual I see some of that stuff as

1368

00:52:40,880 --> 00:52:37,650

push back against you know against the

1369

00:52:42,680 --> 00:52:40,890

the older idea of the heroic scientist

1370

00:52:45,020 --> 00:52:42,690

who's just has our best interest or

1371

00:52:46,579 --> 00:52:45,030

right or the American government that

1372

00:52:48,260 --> 00:52:46,589

just has our best interest I think that

1373

00:52:50,000 --> 00:52:48,270

I think that's why you have a lot more

1374

00:52:53,420 --> 00:52:50,010

conspiracy type thinking a lot more

1375

00:52:55,819 --> 00:52:53,430

skepticism now about the government and

1376

00:52:57,620 --> 00:52:55,829

about big businesses you you have a many

1377

00:52:59,960 --> 00:52:57,630

decades of kind of push back and some of

1378

00:53:01,910 --> 00:52:59,970

that is some of that is created by these

1379

00:53:04,760 --> 00:53:01,920

artists and writers who are creating

1380

00:53:07,010 --> 00:53:04,770

these dystopian stories I mean you're

1381

00:53:08,870 --> 00:53:07,020

you're right it it is depressing the

1382

00:53:10,520 --> 00:53:08,880

dystopian stuff and I've actually also

1383

00:53:13,130 --> 00:53:10,530

wondered like you where is this coming

1384

00:53:15,109 --> 00:53:13,140

from I've also you know Cormac McCarthy

1385

00:53:16,280 --> 00:53:15,119

or films or whatever it is I've also

1386

00:53:18,200 --> 00:53:16,290

kind of wondered you know what is the

1387

00:53:21,170 --> 00:53:18,210

great appeal today of the dystopian

1388

00:53:22,670 --> 00:53:21,180

novel and you know and maybe it maybe it

1389

00:53:25,339 --> 00:53:22,680

speaks to kind of the way in which

1390

00:53:27,920 --> 00:53:25,349

people have lost hope you know people

1391

00:53:29,839 --> 00:53:27,930

have lost faith they've lost hope you

1392

00:53:31,309 --> 00:53:29,849

know I don't know I mean maybe I sound

1393

00:53:32,690 --> 00:53:31,319

kind of old-timey with that explanation

1394

00:53:35,240 --> 00:53:32,700

oh I don't I don't think you sound

1395

00:53:37,250 --> 00:53:35,250

old-timey at all and I think you make a

1396

00:53:38,480 --> 00:53:37,260

couple of great fantastic points that I

1397

00:53:40,099 --> 00:53:38,490

want to come pull out and highlight

1398

00:53:41,990 --> 00:53:40,109

because they're new to me and one is

1399

00:53:44,150 --> 00:53:42,000

that we do have to be very careful when

1400

00:53:45,329 --> 00:53:44,160

we say they and or even when I say

1401

00:53:48,180 --> 00:53:45,339

social engineering

1402

00:53:50,339 --> 00:53:48,190

you know it's multi-faceted like you

1403

00:53:52,620 --> 00:53:50,349

said corporations are clearly doing it

1404

00:53:55,680 --> 00:53:52,630

and with with just one goal and that's

1405

00:53:57,420 --> 00:53:55,690

just to make money coke and a smile and

1406

00:53:59,459 --> 00:53:57,430

all that and we get that and then

1407

00:54:02,039 --> 00:53:59,469

there's other parts that are valid in

1408

00:54:04,170 --> 00:54:02,049

terms of protecting our way of life

1409

00:54:06,509 --> 00:54:04,180

however uncomfortable that is there are

1410

00:54:09,599 --> 00:54:06,519

other forces and we don't want to be

1411

00:54:11,789 --> 00:54:09,609

some of the other countries or cultures

1412

00:54:13,529 --> 00:54:11,799

that we see we like our thing better so

1413

00:54:15,329 --> 00:54:13,539

all that stuff is really good I'm glad

1414

00:54:16,799 --> 00:54:15,339

you bring it up you know on your last

1415

00:54:19,620 --> 00:54:16,809

point though I really wanted to kind of

1416

00:54:21,359 --> 00:54:19,630

jump on that in and kind of get a little

1417

00:54:24,150 --> 00:54:21,369

dialogue in a little bit of time we have

1418

00:54:27,599 --> 00:54:24,160

left on that is that the thing that your

1419

00:54:29,370 --> 00:54:27,609

book does so beautifully is it weaves

1420

00:54:31,529 --> 00:54:29,380

together the stuff that really is there

1421

00:54:33,289 --> 00:54:31,539

all these threads that we might overlook

1422

00:54:35,880 --> 00:54:33,299

and says you know there really is a

1423

00:54:37,859 --> 00:54:35,890

spirituality to science there really is

1424

00:54:39,989 --> 00:54:37,869

a interplay and if we start with

1425

00:54:41,969 --> 00:54:39,999

spirituality or we start with science we

1426
00:54:43,079 --> 00:54:41,979
kind of wind up in the same place and

1427
00:54:46,049 --> 00:54:43,089
isn't that interesting

1428
00:54:48,209 --> 00:54:46,059
isn't that something we should pay more

1429
00:54:51,599 --> 00:54:48,219
attention to and perhaps put our

1430
00:54:54,630 --> 00:54:51,609
attention towards and I contrast that

1431
00:54:56,729 --> 00:54:54,640
with what I get from the social

1432
00:54:59,819 --> 00:54:56,739
engineering project that is scientific

1433
00:55:02,219 --> 00:54:59,829
materialism in my opinion and the

1434
00:55:03,719 --> 00:55:02,229
conclusion is the absolute opposite of

1435
00:55:05,819 --> 00:55:03,729
that it's a pulling a part of those

1436
00:55:09,089 --> 00:55:05,829
threads it's the spirituality of

1437
00:55:11,759 --> 00:55:09,099
dystopia yeah yeah I think that's true I

1438
00:55:13,410 --> 00:55:11,769

do see I do see that and and that's I

1439

00:55:16,380 --> 00:55:13,420

think that's disheartening too you know

1440

00:55:20,519 --> 00:55:16,390

and I don't think it's I don't think it

1441

00:55:23,940 --> 00:55:20,529

leads to you know hope right I don't I

1442

00:55:26,430 --> 00:55:23,950

think it leads to optimism or hope but

1443

00:55:27,719 --> 00:55:26,440

yeah I mean I I appreciate what you're

1444

00:55:31,799 --> 00:55:27,729

saying about the book in the sense that

1445

00:55:33,950 --> 00:55:31,809

it does try to weave a story through

1446

00:55:36,390 --> 00:55:33,960

science and pop culture about the

1447

00:55:38,249 --> 00:55:36,400

possibilities of a new type of science

1448

00:55:39,870 --> 00:55:38,259

and I think that you know in some ways

1449

00:55:41,670 --> 00:55:39,880

that that new type of science has

1450

00:55:43,529 --> 00:55:41,680

arrived in some ways I think that their

1451

00:55:45,269 --> 00:55:43,539

scientists themselves especially when

1452

00:55:47,459 --> 00:55:45,279

you see them you know get on television

1453

00:55:50,400 --> 00:55:47,469

and a write a popular a popular science

1454

00:55:52,410 --> 00:55:50,410

book you know they they traffic and all

1455

00:55:55,049 --> 00:55:52,420

of these kind of fantastic scientific

1456

00:55:56,789 --> 00:55:55,059

ideas now right and they had a sense of

1457

00:55:58,900 --> 00:55:56,799

kind of excitement and a sense of wonder

1458

00:56:01,150 --> 00:55:58,910

and I mentioned Brian Greene earlier but

1459

00:56:03,549 --> 00:56:01,160

you know there's also michio kaku and

1460

00:56:06,730 --> 00:56:03,559

there's many scientists who have a real

1461

00:56:08,289 --> 00:56:06,740

sense of kind of on wonder about nature

1462

00:56:12,039 --> 00:56:08,299

and its many mysteries right whether

1463

00:56:14,109 --> 00:56:12,049

that's entanglement or nonlocality or

1464

00:56:16,779 --> 00:56:14,119

dark matter her dark energy or the

1465

00:56:18,339 --> 00:56:16,789

multiverse or or higher dimensions you

1466

00:56:20,380 --> 00:56:18,349

know or the many-worlds interpretation

1467

00:56:22,299 --> 00:56:20,390

of quantum mechanics you know there

1468

00:56:24,730 --> 00:56:22,309

there have been in the last 50 years

1469

00:56:26,230 --> 00:56:24,740

these kind of fantastic pieces of

1470

00:56:28,779 --> 00:56:26,240

science that have kind of come back in

1471

00:56:30,700 --> 00:56:28,789

the back door even even even while

1472

00:56:32,650 --> 00:56:30,710

scientists themselves that try to try to

1473

00:56:35,920 --> 00:56:32,660

keep them out so I think they kind of

1474

00:56:37,569 --> 00:56:35,930

have come back and I think scientist um

1475

00:56:39,759 --> 00:56:37,579

scientists especially scientists who

1476

00:56:40,990 --> 00:56:39,769

write popular science they in many ways

1477

00:56:43,029 --> 00:56:41,000

they can't help themselves they have to

1478

00:56:45,549 --> 00:56:43,039

bring these things in because you know

1479

00:56:47,740 --> 00:56:45,559

people are doing popular science need

1480

00:56:50,920 --> 00:56:47,750

and want buy it then they want to sell

1481

00:56:52,990 --> 00:56:50,930

books and you know the way to do that is

1482

00:56:54,730 --> 00:56:53,000

to is to sort of have this kind of

1483

00:56:56,710 --> 00:56:54,740

excitement right have this kind of more

1484

00:56:58,690 --> 00:56:56,720

open-ended science have these kind of

1485

00:57:01,769 --> 00:56:58,700

more fantastic scientific notions or

1486

00:57:04,599 --> 00:57:01,779

more mysterious scientific notions on

1487

00:57:05,950 --> 00:57:04,609

which maybe in an earlier era scientists

1488

00:57:07,930 --> 00:57:05,960

are more quickly to kind of sweep under

1489

00:57:10,120 --> 00:57:07,940

the rug so I think it's possible that in

1490

00:57:12,009 --> 00:57:10,130

the coming decades you will see more of

1491

00:57:15,220 --> 00:57:12,019

this you know you will see more kind of

1492

00:57:17,950 --> 00:57:15,230

open reflections about you know physics

1493

00:57:19,089 --> 00:57:17,960

and consciousness studies right or you

1494

00:57:23,799 --> 00:57:19,099

know different kinds of combinations

1495

00:57:24,819 --> 00:57:23,809

that that many scientists before in in

1496

00:57:26,410 --> 00:57:24,829

some ways because they were

1497

00:57:29,349 --> 00:57:26,420

professionalizing and building their

1498

00:57:30,849 --> 00:57:29,359

Sciences we're kind of against but now

1499

00:57:33,269 --> 00:57:30,859

maybe this who knows maybe there's gonna

1500

00:57:36,279 --> 00:57:33,279

be a new openness to this I hope so

1501

00:57:38,529 --> 00:57:36,289

great well it's great work our guests

1502

00:57:39,999 --> 00:57:38,539

again has been dr. Christopher white the

1503

00:57:43,569 --> 00:57:40,009

book that you're gonna want to check out

1504

00:57:46,569 --> 00:57:43,579

other worlds spirituality and the search

1505

00:57:47,980 --> 00:57:46,579

for invisible dimensions now you can

1506

00:57:50,109 --> 00:57:47,990

find the book in the normal ways right

1507

00:57:52,240 --> 00:57:50,119

Chris Amazon yeah you can get it from

1508

00:57:53,859 --> 00:57:52,250

Amazon you can if you like it leave a

1509

00:57:55,990 --> 00:57:53,869

review on Amazon you can get it through

1510

00:57:58,029 --> 00:57:56,000

Harvard University presses website they

1511

00:57:59,650 --> 00:57:58,039

they sell the book as well it's

1512

00:58:01,390 --> 00:57:59,660

published by Harvard University Press

1513

00:58:02,950 --> 00:58:01,400

and if anyone wants to reach out to me

1514

00:58:06,430 --> 00:58:02,960

they can find me at Vassar or they can

1515

00:58:08,859 --> 00:58:06,440

also follow me on Twitter I'm at Chris

1516

00:58:11,799 --> 00:58:08,869

underscore Gees and George underscore

1517

00:58:12,490 --> 00:58:11,809

white so happy to happy to communicate

1518

00:58:14,560 --> 00:58:12,500

with people

1519

00:58:15,970 --> 00:58:14,570

want to reach out great well I'm sure

1520

00:58:19,870 --> 00:58:15,980

there'll be a bunch of people reaching

1521

00:58:22,030 --> 00:58:19,880

out on the forum after this show so yeah

1522

00:58:23,740 --> 00:58:22,040

you have a minute I'll set you up so you

1523

00:58:25,690 --> 00:58:23,750

can pop over there and see what people

1524

00:58:27,700 --> 00:58:25,700

are saying cuz that'd be great sure Oh

1525

00:58:29,710 --> 00:58:27,710

that'd be great for us it's it's right

1526

00:58:32,380 --> 00:58:29,720

up our alley and you've you've just

1527

00:58:34,870 --> 00:58:32,390

amassed some amazing work in this area

1528

00:58:36,580 --> 00:58:34,880

so it's been great having you on I thank

1529

00:58:38,620 --> 00:58:36,590

you again so much for coming on skeptic

1530

00:58:41,980 --> 00:58:38,630

oh thanks so much Alex it was great

1531

00:58:44,500 --> 00:58:41,990

great talking to you for an hour okay

1532

00:58:47,050 --> 00:58:44,510

let's do it again all right let's do it

1533

00:58:49,030 --> 00:58:47,060

again thanks again to dr. Chris white

1534

00:58:50,920 --> 00:58:49,040

for joining me today on skeptic oh I

1535

00:58:52,990 --> 00:58:50,930

guess I'd have one question to tee up

1536

00:58:55,030 --> 00:58:53,000

from this interview and that is what do

1537

00:58:57,910 --> 00:58:55,040

you make of the premise of Chris's book

1538

00:59:01,600 --> 00:58:57,920

is there a subtler deeper interplay

1539

00:59:04,590 --> 00:59:01,610

between science and spirituality and is

1540

00:59:07,300 --> 00:59:04,600

it being revealed to a certain extent in

1541

00:59:09,370 --> 00:59:07,310

technology advancement I think that's a

1542

00:59:11,290 --> 00:59:09,380

really interesting topic to explore and

1543

00:59:13,060 --> 00:59:11,300

I'm really interested to see what you

1544

00:59:14,500 --> 00:59:13,070

have to say about it because there's so

1545

00:59:17,590 --> 00:59:14,510

many different directions we could take

1546

00:59:20,290 --> 00:59:17,600

and I'm not even sure where I stand on

1547

00:59:23,230 --> 00:59:20,300

it so that's why to these shows by the

1548

00:59:27,070 --> 00:59:23,240

way is I need y'all to straighten me out

1549

00:59:29,050 --> 00:59:27,080

which you do so often and clarify my

1550

00:59:32,740 --> 00:59:29,060

thinking on these things I can't tell

1551
00:59:36,130 --> 00:59:32,750
you enough how often that occurs I learn

1552
00:59:39,850 --> 00:59:36,140
from you that's what a show is all about

1553
00:59:42,160 --> 00:59:39,860
that's the payoff for me so join me over

1554
00:59:45,010 --> 00:59:42,170
on The Skeptical forum or other places

1555
00:59:46,870 --> 00:59:45,020
and tell me your thoughts have a couple

1556
00:59:49,420 --> 00:59:46,880
of really cool shows coming up please

1557
00:59:52,470 --> 00:59:49,430
stay with me for all of that and until

1558
00:59:58,960 --> 00:59:52,480
next time bye for now

1559
00:59:58,970 --> 01:00:11,279
[Music]

1560
01:00:15,939 --> 01:00:14,019
so thanks for watching this video if it

1561
01:00:18,519 --> 01:00:15,949
wasn't really a video but just an audio

1562
01:00:20,109 --> 01:00:18,529
stored as a video well I apologize but

1563
01:00:22,029 --> 01:00:20,119

there's more videos out there as well

1564

01:00:23,859 --> 01:00:22,039

but please check out the skeptic Oh

1565

01:00:25,209 --> 01:00:23,869

website you can see it here we cover a

1566

01:00:28,059 --> 01:00:25,219

lot of different stuff you might be

1567

01:00:31,390 --> 01:00:28,069

interested in relating to controversial

1568

01:00:34,089 --> 01:00:31,400

science and spirituality a lot of shows

1569

01:00:36,939 --> 01:00:34,099

up there over 350 of them are so all

1570

01:00:39,250 --> 01:00:36,949

free all available for downloads so do