



1  
00:00:10,129 --> 00:00:08,540  
on this episode of skeptic Oh one of the

2  
00:00:12,770 --> 00:00:10,139  
many aspects of it that is completely

3  
00:00:16,099 --> 00:00:12,780  
ridiculous is someone who claims to be a

4  
00:00:18,320 --> 00:00:16,109  
reasonable man and and tries to be in

5  
00:00:20,029 --> 00:00:18,330  
accord with science the Dalai Lama bases

6  
00:00:21,800 --> 00:00:20,039  
his hope is most all position is based

7  
00:00:25,429 --> 00:00:21,810  
on something absolutely ridiculous if

8  
00:00:28,250 --> 00:00:25,439  
you really believe in in what he said if

9  
00:00:30,529 --> 00:00:28,260  
he really put his money where his mouth

10  
00:00:32,240 --> 00:00:30,539  
is he'll resign is Dali Lama cuz the

11  
00:00:33,740 --> 00:00:32,250  
Dalai Lama is based on on reincarnation

12  
00:00:36,139 --> 00:00:33,750  
which is just nonsense

13  
00:00:40,400 --> 00:00:36,149

well I don't know if it's just nonsense

14

00:00:42,950 --> 00:00:40,410

I mean but I just talked to Jim Tucker

15

00:00:44,750 --> 00:00:42,960

you know respected psychologists in the

16

00:00:46,819 --> 00:00:44,760

department of psychology and psychiatry

17

00:00:48,920 --> 00:00:46,829

at university of virginia they've done

18

00:00:52,100 --> 00:00:48,930

just extensive work published in the

19

00:00:54,680 --> 00:00:52,110

best journals in their field and they

20

00:00:59,029 --> 00:00:54,690

offer the only explanation for what they

21

00:01:01,490 --> 00:00:59,039

found in terms of reincarnation I think

22

00:01:04,369 --> 00:01:01,500

you would really have to tell me

23

00:01:06,410 --> 00:01:04,379

specifically what is wrong with back to

24

00:01:09,500 --> 00:01:06,420

science what's wrong with the scientific

25

00:01:25,170 --> 00:01:09,510

method that they've employed stay with

26

00:01:28,929 --> 00:01:27,459

welcome to skeptic aware we explore

27

00:01:31,179 --> 00:01:28,939

controversial science with leading

28

00:01:33,279 --> 00:01:31,189

researchers thinkers and their critics

29

00:01:35,469 --> 00:01:33,289

I'm your host Alex Karras and on this

30

00:01:38,609 --> 00:01:35,479

episode of skeptical we continue on the

31

00:01:41,800 --> 00:01:38,619

theme of atheism and it's sometimes

32

00:01:44,440 --> 00:01:41,810

strange entanglement with science at

33

00:01:46,960 --> 00:01:44,450

least it seems strange to me our guest

34

00:01:49,809 --> 00:01:46,970

of course is Arizona State professor of

35

00:01:51,490 --> 00:01:49,819

theoretical physics dr. Lawrence Krauss

36

00:01:53,529 --> 00:01:51,500

who was a very popular and well-known

37

00:01:55,300 --> 00:01:53,539

figure in the atheist and skeptical

38

00:01:57,760 --> 00:01:55,310

communities and was recently featured

39

00:02:00,039 --> 00:01:57,770

along with Richard Dawkins in the movie

40

00:02:01,899 --> 00:02:00,049

the unbelievers during this interview we

41

00:02:05,050 --> 00:02:01,909

talked about of course reincarnation

42

00:02:06,999 --> 00:02:05,060

science at least I do we talk about

43

00:02:08,859 --> 00:02:07,009

extraordinary claims and extraordinary

44

00:02:11,530 --> 00:02:08,869

proof that's a topic you know I've

45

00:02:13,569 --> 00:02:11,540

talked about many times and dr. Krauss

46

00:02:16,000 --> 00:02:13,579

and I give it a go on that one as well

47

00:02:18,520 --> 00:02:16,010

and finally since dr. Krauss is a

48

00:02:21,039 --> 00:02:18,530

well-known advocate of the meaningless

49

00:02:24,759 --> 00:02:21,049

universe concept we talk about morality

50

00:02:27,340 --> 00:02:24,769

and how morality can exist in a

51  
00:02:29,470 --> 00:02:27,350  
meaningless universe it was a great

52  
00:02:32,050 --> 00:02:29,480  
pleasure to have dr. Krauss on the show

53  
00:02:34,390 --> 00:02:32,060  
I certainly appreciate him joining me

54  
00:02:37,330 --> 00:02:34,400  
and his willingness to dig in to some of

55  
00:02:39,699 --> 00:02:37,340  
these tough issues I hope you enjoy the

56  
00:02:41,949 --> 00:02:39,709  
interview today we welcome renowned

57  
00:02:44,229 --> 00:02:41,959  
theatres coal physicist dr. Lawrence

58  
00:02:46,120 --> 00:02:44,239  
Krauss - skeptic Oh in addition to his

59  
00:02:47,849 --> 00:02:46,130  
day job as a professor in the Department

60  
00:02:51,099 --> 00:02:47,859  
of Physics at Arizona State University

61  
00:02:53,710 --> 00:02:51,109  
dr. Krauss is also a successful author

62  
00:02:56,379 --> 00:02:53,720  
his book a universe from nothing was a

63  
00:02:59,020 --> 00:02:56,389

New York Times best seller and most

64

00:03:01,479 --> 00:02:59,030

recently he was featured in along with

65

00:03:04,750 --> 00:03:01,489

dr. Richard Dawkins a very well done

66

00:03:07,509 --> 00:03:04,760

documentary on atheism titled the

67

00:03:09,400 --> 00:03:07,519

unbelievers dr. Krauss welcome to

68

00:03:11,860 --> 00:03:09,410

skeptic oh thanks so much for joining me

69

00:03:15,910 --> 00:03:11,870

all right I should be here virtually at

70

00:03:17,650 --> 00:03:15,920

least right so the movie the unbelievers

71

00:03:20,080 --> 00:03:17,660

it's very well done

72

00:03:21,940 --> 00:03:20,090

packed with clips from not only

73

00:03:24,610 --> 00:03:21,950

well-known figures in the atheist

74

00:03:26,890 --> 00:03:24,620

community some impressive celebrity

75

00:03:28,719 --> 00:03:26,900

cameos are in there as well I thought

76

00:03:30,310 --> 00:03:28,729

you came across very well in the film

77

00:03:32,770 --> 00:03:30,320

you look very relaxed like you're having

78

00:03:34,150 --> 00:03:32,780

fun was it was it that easy for you to

79

00:03:36,310 --> 00:03:34,160

be in front of the cameras for

80

00:03:38,830 --> 00:03:36,320

that extended period of time well I

81

00:03:41,590 --> 00:03:38,840

always try to have fun so I guess that's

82

00:03:43,090 --> 00:03:41,600

part of it the crew is a wonderful group

83

00:03:46,000 --> 00:03:43,100

of young men and of course you get used

84

00:03:47,470 --> 00:03:46,010

to it it's it's it's intrusive but but

85

00:03:49,150 --> 00:03:47,480

it was an enjoyable experience yeah I

86

00:03:51,790 --> 00:03:49,160

was generally enjoyable I they were very

87

00:03:52,720 --> 00:03:51,800

they were there was non intrusive as

88

00:03:54,790 --> 00:03:52,730

they could be and I think they're

89

00:03:57,760 --> 00:03:54,800

wonderful young filmmakers and the goal

90

00:03:59,920 --> 00:03:57,770

was was was worth the effort and it was

91

00:04:03,750 --> 00:03:59,930

kind of fun to see what they would do

92

00:04:06,480 --> 00:04:03,760

with it so yeah I guess I do what I do

93

00:04:08,980 --> 00:04:06,490

for the most part because I enjoy it

94

00:04:11,650 --> 00:04:08,990

well you know one of the things that you

95

00:04:13,150 --> 00:04:11,660

do when you do I think I'm sure this is

96

00:04:15,130 --> 00:04:13,160

in real life as well but it certainly

97

00:04:17,289 --> 00:04:15,140

comes through in the film is you know

98

00:04:20,080 --> 00:04:17,299

you engage with folks that disagree with

99

00:04:22,480 --> 00:04:20,090

you and you do that in a and a you know

100

00:04:23,980 --> 00:04:22,490

very vigorous way but also a fun

101  
00:04:25,990 --> 00:04:23,990  
respectful way one of the scenes I

102  
00:04:28,120 --> 00:04:26,000  
really liked from the film is this

103  
00:04:31,480 --> 00:04:28,130  
debate you do early on with this group

104  
00:04:32,890 --> 00:04:31,490  
of Muslim students in Australia maybe

105  
00:04:35,200 --> 00:04:32,900  
you want to set up that scene a little

106  
00:04:39,250 --> 00:04:35,210  
bit and tell us how much that's like

107  
00:04:43,150 --> 00:04:39,260  
other debates and kind of encounters you

108  
00:04:45,160 --> 00:04:43,160  
do on a on a regular basis but pretty

109  
00:04:46,330 --> 00:04:45,170  
often nothing I do so many different

110  
00:04:49,360 --> 00:04:46,340  
things it's hard to say anything's

111  
00:04:50,920 --> 00:04:49,370  
regular but all right that was a that

112  
00:04:55,540 --> 00:04:50,930  
was an interesting event because it was

113  
00:04:57,370 --> 00:04:55,550

a Muslim debating society or that asked

114

00:04:58,810 --> 00:04:57,380

me to do this and and I didn't really

115

00:05:01,180 --> 00:04:58,820

know what I was in for they seemed like

116

00:05:02,590 --> 00:05:01,190

they were legitimately interested it

117

00:05:05,020 --> 00:05:02,600

wasn't that they didn't have an agenda

118

00:05:07,750 --> 00:05:05,030

and I've done some debates where people

119

00:05:09,159 --> 00:05:07,760

have had an agenda and and as I say in

120

00:05:11,830 --> 00:05:09,169

the movie what was kind of strange is it

121

00:05:13,540 --> 00:05:11,840

was only advertised as far as I can see

122

00:05:14,380 --> 00:05:13,550

among the Muslim community was it even

123

00:05:16,090 --> 00:05:14,390

though it's supposed to be a public

124

00:05:18,010 --> 00:05:16,100

event I didn't see any advertisement of

125

00:05:20,409 --> 00:05:18,020

elsewhere so I had no sense of what the

126

00:05:22,090 --> 00:05:20,419

audience would be like or what what kind

127

00:05:26,080 --> 00:05:22,100

of hostilities but it was at the same

128

00:05:29,620 --> 00:05:26,090

time while unfortunately it was a young

129

00:05:34,060 --> 00:05:29,630

man and I think somewhat inexperienced

130

00:05:37,120 --> 00:05:34,070

it was it was a more or less it was a

131

00:05:39,400 --> 00:05:37,130

respectful event and I mean I totally

132

00:05:41,890 --> 00:05:39,410

indicate where I thought his ideas were

133

00:05:43,570 --> 00:05:41,900

ridiculous and as I've said before

134

00:05:45,909 --> 00:05:43,580

finding someone's ideas ridiculous is

135

00:05:48,129 --> 00:05:45,919

not the same as demeaning them but but

136

00:05:49,749 --> 00:05:48,139

afterwards there was it was a lot

137

00:05:51,700 --> 00:05:49,759

the Muslim group and was kind of fun is

138

00:05:53,589 --> 00:05:51,710

that afterwards I signed books for

139

00:05:55,689 --> 00:05:53,599

people people who were weighing you know

140

00:05:58,209 --> 00:05:55,699

Charles and kerchiefs over their heads

141

00:05:59,769 --> 00:05:58,219

and things but also we stayed so I think

142

00:06:01,450 --> 00:05:59,779

the thing I like best and I don't know

143

00:06:03,219 --> 00:06:01,460

if you captured it but it was it was

144

00:06:05,499 --> 00:06:03,229

sort of a subtle in the movie was um

145

00:06:07,029 --> 00:06:05,509

they showed it going on till 11 o'clock

146

00:06:08,589 --> 00:06:07,039

at night which it did do because I

147

00:06:09,730 --> 00:06:08,599

answer questions as long as well as a

148

00:06:11,409 --> 00:06:09,740

way as possible

149

00:06:13,119 --> 00:06:11,419

and then we were I was I had fun

150

00:06:14,769 --> 00:06:13,129

chatting with the the people I've been

151

00:06:16,480 --> 00:06:14,779

debating with for another half-hour in

152

00:06:18,129 --> 00:06:16,490

the back and I think you can see that at

153

00:06:20,589 --> 00:06:18,139

the end the movie and so or at the end

154

00:06:23,170 --> 00:06:20,599

of the scene and that was that was that

155

00:06:24,939 --> 00:06:23,180

was very pleasant because it meant you

156

00:06:27,040 --> 00:06:24,949

know while we disagreed and and they

157

00:06:29,170 --> 00:06:27,050

wanted to raise the issues and they had

158

00:06:31,899 --> 00:06:29,180

an honest interest in in really having

159

00:06:35,050 --> 00:06:31,909

an honest dialogue and not in promoting

160

00:06:37,360 --> 00:06:35,060

some ideology right right I think that

161

00:06:39,879 --> 00:06:37,370

did come through you know the other

162

00:06:41,890 --> 00:06:39,889

thing I thought you did a nice job of in

163

00:06:44,740 --> 00:06:41,900

the film and obviously you're a

164

00:06:47,140 --> 00:06:44,750

scientist with a very strong scientific

165

00:06:50,170 --> 00:06:47,150

research background and you really talk

166

00:06:52,779 --> 00:06:50,180

about science as a method not a position

167

00:06:54,579 --> 00:06:52,789

you know and and you even say it's about

168

00:06:55,990 --> 00:06:54,589

being proven wrong and you know hey when

169

00:06:57,459 --> 00:06:56,000

have you been proven wrong it's great to

170

00:07:00,249 --> 00:06:57,469

be proven wrong I do it all the time I

171

00:07:01,959 --> 00:07:00,259

really like that the reality I think

172

00:07:04,809 --> 00:07:01,969

that comes through in the film though is

173

00:07:06,579 --> 00:07:04,819

it's tough and I understand that it's

174

00:07:08,709 --> 00:07:06,589

tough because science does get pulled

175

00:07:12,850 --> 00:07:08,719

into policy debates culture war debates

176

00:07:15,159 --> 00:07:12,860

and it's really hard not to say science

177

00:07:17,230 --> 00:07:15,169

says this or science says that and in

178

00:07:19,629 --> 00:07:17,240

some cases I understand you know when

179

00:07:21,760 --> 00:07:19,639

you're talking about whether common

180

00:07:23,879 --> 00:07:21,770

descent or Noah's Ark is a better

181

00:07:27,879 --> 00:07:23,889

explanation for why we're here

182

00:07:29,980 --> 00:07:27,889

shorthand is to say science says so but

183

00:07:33,040 --> 00:07:29,990

isn't there kind of a problem there I

184

00:07:34,600 --> 00:07:33,050

mean you should never appeal to

185

00:07:36,639 --> 00:07:34,610

Authority if you don't you can't and

186

00:07:38,230 --> 00:07:36,649

they're made it's easy to fall into

187

00:07:40,719 --> 00:07:38,240

traps for example to use the word

188

00:07:42,369 --> 00:07:40,729

believe I believe this to be the case

189

00:07:44,679 --> 00:07:42,379

and so belief is not something we should

190

00:07:46,719 --> 00:07:44,689

mention as a sign it's something likely

191

00:07:48,909 --> 00:07:46,729

or more unlikely but belief doesn't

192

00:07:50,860 --> 00:07:48,919

enter into it we tend to say it I try

193

00:07:52,389 --> 00:07:50,870

and catch myself now you know they say

194

00:07:53,950 --> 00:07:52,399

do you believe in evolution about belief

195

00:07:56,409 --> 00:07:53,960

it doesn't matter evolution happened

196

00:08:00,610 --> 00:07:56,419

whether you believe it or not and I

197

00:08:01,670 --> 00:08:00,620

think I think on the whole we what we

198

00:08:04,520 --> 00:08:01,680

can argue is that

199

00:08:06,320 --> 00:08:04,530

sure you shouldn't take things on faith

200

00:08:08,210 --> 00:08:06,330

on the other hand you can't be an expert

201  
00:08:10,939 --> 00:08:08,220  
at everything and you can ask yourself

202  
00:08:13,700 --> 00:08:10,949  
skeptically given the different groups

203  
00:08:15,430 --> 00:08:13,710  
who are trying to argue and what is

204  
00:08:17,840 --> 00:08:15,440  
their agenda what do they have to gain

205  
00:08:19,930 --> 00:08:17,850  
which and when it comes to scientific

206  
00:08:23,180 --> 00:08:19,940  
issues am i more likely to trust

207  
00:08:25,249 --> 00:08:23,190  
scientists whose real job is not to is

208  
00:08:26,600 --> 00:08:25,259  
not to promote an ideology but to find

209  
00:08:29,360 --> 00:08:26,610  
out how things work or should I believe

210  
00:08:30,980 --> 00:08:29,370  
people who who who clearly have an

211  
00:08:32,899 --> 00:08:30,990  
agenda or an ideology that they're

212  
00:08:34,760 --> 00:08:32,909  
pushing and and in fact the argument

213  
00:08:37,100 --> 00:08:34,770

when you say you talk about Noah's Ark

214

00:08:39,440 --> 00:08:37,110

versus you know common descent is to say

215

00:08:41,089 --> 00:08:39,450

well you know just there's no evidence

216

00:08:43,490 --> 00:08:41,099

or one there's tons of evidence for the

217

00:08:47,079 --> 00:08:43,500

other and and and I think it's if

218

00:08:49,370 --> 00:08:47,089

whenever possible it's it's to argue why

219

00:08:52,190 --> 00:08:49,380

the scientific community heads in a

220

00:08:54,140 --> 00:08:52,200

certain direction not that they have but

221

00:08:56,750 --> 00:08:54,150

of course every now and then one has to

222

00:08:59,690 --> 00:08:56,760

say if you're gonna if you're gonna if

223

00:09:03,380 --> 00:08:59,700

you're gonna have without knowing guess

224

00:09:05,840 --> 00:09:03,390

which group might be more trustworthy on

225

00:09:07,370 --> 00:09:05,850

climate change is a climate scientists

226

00:09:08,690 --> 00:09:07,380

who are really there they are in the

227

00:09:10,610 --> 00:09:08,700

same amount whether the climate is

228

00:09:12,560 --> 00:09:10,620

changing or not they're trying to figure

229

00:09:13,250 --> 00:09:12,570

out what works or people say in the oil

230

00:09:15,920 --> 00:09:13,260

industry

231

00:09:18,530 --> 00:09:15,930

I mean who who is more likely to want to

232

00:09:21,740 --> 00:09:18,540

convince you of an idea that benefits

233

00:09:23,720 --> 00:09:21,750

them yeah but it does get tricky as it

234

00:09:25,340 --> 00:09:23,730

does with you know climate scientists

235

00:09:27,140 --> 00:09:25,350

because there's the oil company on one

236

00:09:29,150 --> 00:09:27,150

side and there's people selling carbon

237

00:09:30,829 --> 00:09:29,160

credits on the other you know it just as

238

00:09:33,920 --> 00:09:30,839

soon as we get into the public policy

239

00:09:35,990 --> 00:09:33,930

issue to a certain extent all bets are

240

00:09:39,560 --> 00:09:36,000

off but even if we stick with evolution

241

00:09:42,410 --> 00:09:39,570

you know one of my people I disagree I

242

00:09:44,090 --> 00:09:42,420

think I think it's specifically when it

243

00:09:46,610 --> 00:09:44,100

comes to public policy that this matters

244

00:09:49,160 --> 00:09:46,620

that we have to explain to people that

245

00:09:50,990 --> 00:09:49,170

they should ask they should be skeptical

246

00:09:52,760 --> 00:09:51,000

of all groups but they should be

247

00:09:54,949 --> 00:09:52,770

skeptical and they we should look for

248

00:09:59,449 --> 00:09:54,959

evidence and in fact they should ask is

249

00:10:01,190 --> 00:09:59,459

this policy based on empirical data and

250

00:10:02,600 --> 00:10:01,200

if so is that empirical data reliable

251  
00:10:04,250 --> 00:10:02,610  
those are the kind of questions that we

252  
00:10:05,600 --> 00:10:04,260  
should all be asking when it comes to

253  
00:10:07,490 --> 00:10:05,610  
public policy whether we're voting for

254  
00:10:13,400 --> 00:10:07,500  
someone or whether member of the

255  
00:10:15,020 --> 00:10:13,410  
Congress and and I think the my big the

256  
00:10:17,120 --> 00:10:15,030  
reason I tend to get involved in

257  
00:10:20,030 --> 00:10:17,130  
the policy issues as well as science is

258  
00:10:21,560 --> 00:10:20,040  
because I want Public Policy to be based

259  
00:10:23,570 --> 00:10:21,570  
I don't want scientists to decide with

260  
00:10:24,770 --> 00:10:23,580  
them what the policies are because for

261  
00:10:27,710 --> 00:10:24,780  
when it comes to climate change for

262  
00:10:29,660 --> 00:10:27,720  
example you may say look I understand

263  
00:10:31,280 --> 00:10:29,670

the cause of climate change but for this

264

00:10:33,290 --> 00:10:31,290

reason or at this economic reason or

265

00:10:35,180 --> 00:10:33,300

whatever we can't act now well I

266

00:10:38,390 --> 00:10:35,190

disagree with that but at least it's a

267

00:10:40,790 --> 00:10:38,400

rational it's a it's a it's a policy

268

00:10:42,830 --> 00:10:40,800

that you couldn't defend it on on some

269

00:10:44,990 --> 00:10:42,840

basis instead of pretending that climate

270

00:10:48,350 --> 00:10:45,000

change doesn't happen or is a hoax and

271

00:10:51,590 --> 00:10:48,360

so I really want public policy to be

272

00:10:54,620 --> 00:10:51,600

based on on science whenever it can be

273

00:10:56,960 --> 00:10:54,630

so that the policymakers can be informed

274

00:10:59,090 --> 00:10:56,970

and make decisions and the voters can be

275

00:11:01,910 --> 00:10:59,100

informed enough to vote to know who who

276

00:11:03,410 --> 00:11:01,920

is who is full of garbage well that's

277

00:11:05,320 --> 00:11:03,420

that's wonderful and there's no

278

00:11:07,730 --> 00:11:05,330

disagreement with that I think the

279

00:11:09,800 --> 00:11:07,740

mechanics of it and the details of it

280

00:11:12,200 --> 00:11:09,810

are a lot harder you know when I look to

281

00:11:15,620 --> 00:11:12,210

is Judith curry at Georgia Tech

282

00:11:18,950 --> 00:11:15,630

University as qualified and as well

283

00:11:21,530 --> 00:11:18,960

published a climate change expert head

284

00:11:23,960 --> 00:11:21,540

of the Department of Earth and

285

00:11:26,510 --> 00:11:23,970

Atmospheric Sciences something like that

286

00:11:29,170 --> 00:11:26,520

well respected but you know kind of

287

00:11:32,030 --> 00:11:29,180

tears apart a lot of the the pillars of

288

00:11:33,770 --> 00:11:32,040

some of the climate change stuff she's

289

00:11:35,420 --> 00:11:33,780

somebody who says hey climate change is

290

00:11:38,210 --> 00:11:35,430

happening but we have to be very careful

291

00:11:40,340 --> 00:11:38,220

in the policies that we adopt and in

292

00:11:43,640 --> 00:11:40,350

there you can really come to just about

293

00:11:46,250 --> 00:11:43,650

any conclusion you want to along a wide

294

00:11:47,240 --> 00:11:46,260

spectrum of policy choices but I don't

295

00:11:48,980 --> 00:11:47,250

want to get off on climate change

296

00:11:51,050 --> 00:11:48,990

because there's so many more interesting

297

00:11:52,780 --> 00:11:51,060

things to talk to you about but I would

298

00:11:56,030 --> 00:11:52,790

take that same point and bring it back

299

00:11:58,070 --> 00:11:56,040

even to evolution and neo-darwinism you

300

00:12:00,470 --> 00:11:58,080

know one of the folks who's been on this

301

00:12:02,780 --> 00:12:00,480

show several times and as a friend of

302

00:12:06,020 --> 00:12:02,790

this show is dr. Rupert Sheldrake

303

00:12:08,060 --> 00:12:06,030

Cambridge biologist published in Nature

304

00:12:10,040 --> 00:12:08,070

somebody has all the qualifications who

305

00:12:12,050 --> 00:12:10,050

if you sat him down across the table

306

00:12:14,980 --> 00:12:12,060

from Richard Dawkins would have some

307

00:12:18,100 --> 00:12:14,990

very sharp-pointed disagreements about

308

00:12:21,920 --> 00:12:18,110

neo-darwinism you know not the same as

309

00:12:23,480 --> 00:12:21,930

from our Baptist's I'm sorry I hate that

310

00:12:26,870 --> 00:12:23,490

word neo-darwinism I don't know what it

311

00:12:28,040 --> 00:12:26,880

means okay well should I say me people

312

00:12:29,840 --> 00:12:28,050

use it as a pejorative

313

00:12:33,079 --> 00:12:29,850

label to make it seem like it's neo-cons

314

00:12:35,300 --> 00:12:33,089

or whatever it's it's it's it's darn I

315

00:12:36,769 --> 00:12:35,310

mean it's like saying neo gravity I mean

316

00:12:38,540 --> 00:12:36,779

of course our views about gravity have

317

00:12:41,120 --> 00:12:38,550

evolved but the basic idea of natural

318

00:12:44,389 --> 00:12:41,130

selection mutation and and driven by

319

00:12:46,460 --> 00:12:44,399

natural selection is not is is not an

320

00:12:50,900 --> 00:12:46,470

idea that's either controversial or or

321

00:12:52,430 --> 00:12:50,910

or or change because it's been because

322

00:12:54,620 --> 00:12:52,440

it's been subject to testing for under

323

00:12:56,180 --> 00:12:54,630

50 years they well I've jumpin on you

324

00:12:58,790 --> 00:12:56,190

for that because you know I see it

325

00:13:01,220 --> 00:12:58,800

people called neo Darwinist and also new

326

00:13:02,900 --> 00:13:01,230

New Atheists as if I don't quite

327

00:13:05,600 --> 00:13:02,910

understand what New Atheists are I don't

328

00:13:08,569 --> 00:13:05,610

it's a wonderful label to make people

329

00:13:10,220 --> 00:13:08,579

seem like they have an agenda or or or

330

00:13:12,470 --> 00:13:10,230

or the are suspect but I don't

331

00:13:14,780 --> 00:13:12,480

understand what New Atheism is so anyway

332

00:13:16,699 --> 00:13:14,790

well I mean we could talk about do a

333

00:13:19,190 --> 00:13:16,709

theism - I don't see it necessarily as a

334

00:13:22,160 --> 00:13:19,200

pejorative term I see it as identifying

335

00:13:24,350 --> 00:13:22,170

with a certain movement of folks that

336

00:13:28,310 --> 00:13:24,360

had a certain you know vigor and

337

00:13:29,930 --> 00:13:28,320

energized force to bring to a movement

338

00:13:33,170 --> 00:13:29,940

that was kind of I don't want to say

339

00:13:35,360 --> 00:13:33,180

dead but was really not as active in

340

00:13:36,980 --> 00:13:35,370

his current and meaningful so I don't

341

00:13:39,410 --> 00:13:36,990

think new thing new atheism is

342

00:13:42,139 --> 00:13:39,420

necessarily a bad term as far as

343

00:13:45,230 --> 00:13:42,149

neo-darwinism my point is just that you

344

00:13:47,420 --> 00:13:45,240

know here is Rupert Sheldrake who gets

345

00:13:49,250 --> 00:13:47,430

called pseudo scientists and all the

346

00:13:51,620 --> 00:13:49,260

rest of this because of this same thing

347

00:13:53,990 --> 00:13:51,630

is science becomes a position statement

348

00:13:55,850 --> 00:13:54,000

and when people object to someone's

349

00:13:58,030 --> 00:13:55,860

position especially there's these

350

00:14:00,740 --> 00:13:58,040

certain categories that seem to be

351  
00:14:03,019 --> 00:14:00,750  
protected in some way for for example

352  
00:14:05,660 --> 00:14:03,029  
the theory of evolution that we can't

353  
00:14:07,490 --> 00:14:05,670  
move towards having that meaningful

354  
00:14:09,889 --> 00:14:07,500  
dialogue in the back of the room that

355  
00:14:12,800 --> 00:14:09,899  
you talked about with that group of

356  
00:14:15,310 --> 00:14:12,810  
Muslims and I've seen this over and over

357  
00:14:18,230 --> 00:14:15,320  
again in years of doing this show so I

358  
00:14:22,100 --> 00:14:18,240  
think one has to be yes that's true but

359  
00:14:23,870 --> 00:14:22,110  
one but as I say being respectful of

360  
00:14:25,400 --> 00:14:23,880  
individuals and being respectful ideas

361  
00:14:30,319 --> 00:14:25,410  
are two different things

362  
00:14:32,360 --> 00:14:30,329  
and and I think you know people invent

363  
00:14:33,680 --> 00:14:32,370

controversies too often where there are

364

00:14:35,840 --> 00:14:33,690

no controversies from climate change

365

00:14:40,189 --> 00:14:35,850

devolution I've seen it happen I've

366

00:14:41,689 --> 00:14:40,199

watched it happen and and and and for

367

00:14:43,460 --> 00:14:41,699

better or worse people who are on the

368

00:14:45,019 --> 00:14:43,470

there are a number of people in science

369

00:14:47,389 --> 00:14:45,029

were on the margin and science of course

370

00:14:50,150 --> 00:14:47,399

it's hard to have a new idea and it's

371

00:14:52,460 --> 00:14:50,160

hard to break through cosines science is

372

00:14:55,129 --> 00:14:52,470

done by scientists and they're human but

373

00:14:57,499 --> 00:14:55,139

at the same time there's often a reason

374

00:15:01,249 --> 00:14:57,509

why people are on the margin and one

375

00:15:02,809 --> 00:15:01,259

should be mean no no no no there we go

376

00:15:05,479 --> 00:15:02,819

again I mean that's exactly what we're

377

00:15:08,359 --> 00:15:05,489

talking about there isn't any standard

378

00:15:10,489 --> 00:15:08,369

other than the method of science and

379

00:15:12,619 --> 00:15:10,499

what science has in place I mean peer

380

00:15:14,569 --> 00:15:12,629

review is supposed to take care of that

381

00:15:16,999 --> 00:15:14,579

it's supposed to bring the people on the

382

00:15:18,739 --> 00:15:17,009

fringe either in and they get published

383

00:15:21,829 --> 00:15:18,749

or they don't we don't need this kind of

384

00:15:24,829 --> 00:15:21,839

meta rule meta-analysis you know it's

385

00:15:26,239 --> 00:15:24,839

like when I talk to folks and they want

386

00:15:28,879 --> 00:15:26,249

to say you know extraordinary claims

387

00:15:32,119 --> 00:15:28,889

require extraordinary proof how is that

388

00:15:34,280 --> 00:15:32,129

scientific it's not what we have works

389

00:15:36,079 --> 00:15:34,290

we just have to apply it we don't need

390

00:15:37,849 --> 00:15:36,089

someone on the outside at the end of the

391

00:15:39,559 --> 00:15:37,859

game at the end of the football game

392

00:15:40,970 --> 00:15:39,569

saying oh no you didn't win by enough

393

00:15:42,019 --> 00:15:40,980

you have to kick another field goal

394

00:15:43,699 --> 00:15:42,029

that's not quite an extraordinary

395

00:15:44,989 --> 00:15:43,709

victory you're gonna make an

396

00:15:47,470 --> 00:15:44,999

extraordinary claim in science that

397

00:15:50,029 --> 00:15:47,480

means you're you're you're in some sense

398

00:15:51,529 --> 00:15:50,039

contradictory I mean generally an

399

00:15:54,079 --> 00:15:51,539

extraordinary claim is contradicting

400

00:15:55,340 --> 00:15:54,089

accepted wisdom which is based on wisdom

401  
00:15:57,769 --> 00:15:55,350  
is based on the evidence so you're

402  
00:15:59,659 --> 00:15:57,779  
saying the the conventional ideas and

403  
00:16:01,879 --> 00:15:59,669  
theories are wrong and if you're gonna

404  
00:16:04,819 --> 00:16:01,889  
make that claim then you've gotta have a

405  
00:16:07,039 --> 00:16:04,829  
darn good reason to make it and most of

406  
00:16:08,569 --> 00:16:07,049  
the time people make that claim and it

407  
00:16:10,759 --> 00:16:08,579  
happens if I get that letters every day

408  
00:16:12,169 --> 00:16:10,769  
from people to say oh all of physics is

409  
00:16:14,720 --> 00:16:12,179  
wrong and I'll tell you why well you

410  
00:16:17,179 --> 00:16:14,730  
know I know that essentially but are

411  
00:16:19,129 --> 00:16:17,189  
they publishing in topknot journals of

412  
00:16:20,359 --> 00:16:19,139  
physics I think if they are you you do

413  
00:16:22,639 --> 00:16:20,369

have to pay attention to it because

414

00:16:24,889 --> 00:16:22,649

that's the way the game is played you

415

00:16:26,479 --> 00:16:24,899

can't you also have to be skeptical of

416

00:16:30,139 --> 00:16:26,489

stuff and top-notch journals I think

417

00:16:31,729 --> 00:16:30,149

sure it's it's it but as you said it's a

418

00:16:33,379 --> 00:16:31,739

process but I do believe that

419

00:16:36,529 --> 00:16:33,389

extraordinary claims doers are

420

00:16:38,059 --> 00:16:36,539

extraordinary evidence that that science

421

00:16:39,529 --> 00:16:38,069

is often done by baby steps but if

422

00:16:41,779 --> 00:16:39,539

you're claiming a scientific revolution

423

00:16:43,309 --> 00:16:41,789

which mostly when someone is claiming to

424

00:16:45,169 --> 00:16:43,319

make a revolutionary result you can be

425

00:16:48,139 --> 00:16:45,179

pretty well certain most the time that

426  
00:16:49,579 --> 00:16:48,149  
they're not and every now and then one

427  
00:16:52,009 --> 00:16:49,589  
times out of a thousand or hundred

428  
00:16:53,419 --> 00:16:52,019  
thousand is right it's right but it's a

429  
00:16:55,570 --> 00:16:53,429  
pretty safe assumption that you should

430  
00:16:57,880 --> 00:16:55,580  
be darn skeptical I don't know

431  
00:16:59,440 --> 00:16:57,890  
move on in your limited amount of time

432  
00:17:02,460 --> 00:16:59,450  
because I want to talk about religion

433  
00:17:05,199 --> 00:17:02,470  
too it's another area that you cover

434  
00:17:07,300 --> 00:17:05,209  
extensively in the movie because that's

435  
00:17:10,990 --> 00:17:07,310  
what the movie is kind of about this

436  
00:17:13,360 --> 00:17:11,000  
scientific opposition to some of the

437  
00:17:15,220 --> 00:17:13,370  
craziness that we see I'm not in

438  
00:17:18,040 --> 00:17:15,230

religious people but in the practice and

439

00:17:19,480 --> 00:17:18,050

how its carried out and I get that on

440

00:17:21,790 --> 00:17:19,490

one hand on the other hand there's some

441

00:17:24,100 --> 00:17:21,800

things that I guess are a little

442

00:17:25,720 --> 00:17:24,110

troubling to me when at one point in the

443

00:17:28,690 --> 00:17:25,730

movie Richard Dawkins says I don't

444

00:17:30,310 --> 00:17:28,700

despise religious people I despise what

445

00:17:32,890 --> 00:17:30,320

they stand for

446

00:17:35,230 --> 00:17:32,900

I mean I guess I have to ask you first

447

00:17:36,940 --> 00:17:35,240

of all me i I think I understand what

448

00:17:40,300 --> 00:17:36,950

he's saying but can we really endorse

449

00:17:43,210 --> 00:17:40,310

that kind of statement he was making it

450

00:17:45,610 --> 00:17:43,220

he was speaking to a crowd and in a

451  
00:17:47,860 --> 00:17:45,620  
context and I think what he meant is we

452  
00:17:50,650 --> 00:17:47,870  
can despise I think it's true that if

453  
00:17:52,540 --> 00:17:50,660  
you if you look at the Scriptures of

454  
00:17:54,430 --> 00:17:52,550  
most men major religions those are

455  
00:17:56,770 --> 00:17:54,440  
despicable now of course it's

456  
00:17:59,230 --> 00:17:56,780  
generalizing it's a huge stereotype to

457  
00:18:02,440 --> 00:17:59,240  
claim that all religious people stand

458  
00:18:03,940 --> 00:18:02,450  
for those scriptures but but it

459  
00:18:06,010 --> 00:18:03,950  
nevertheless it's the basis of what the

460  
00:18:07,570 --> 00:18:06,020  
religion is it what they claim is their

461  
00:18:09,070 --> 00:18:07,580  
religion the scriptures are pretty

462  
00:18:13,540 --> 00:18:09,080  
despicable you wouldn't want to live a

463  
00:18:15,820 --> 00:18:13,550

life based on on on the dictates of the

464

00:18:19,570 --> 00:18:15,830

Old Testament it's worse than that

465

00:18:21,880 --> 00:18:19,580

Isis okay but there's a lot of atheists

466

00:18:24,910 --> 00:18:21,890

Sam Harris is one who are practicing

467

00:18:26,860 --> 00:18:24,920

Buddhists there's a large community so I

468

00:18:28,300 --> 00:18:26,870

mean when we lump all this together and

469

00:18:29,770 --> 00:18:28,310

say I don't despise religious people I

470

00:18:31,330 --> 00:18:29,780

despise what they stand for

471

00:18:33,790 --> 00:18:31,340

I mean what's really troubling to me is

472

00:18:35,890 --> 00:18:33,800

you know it's just the kind of stuff you

473

00:18:38,380 --> 00:18:35,900

guys rail against in that that logic

474

00:18:40,450 --> 00:18:38,390

could be turned around and used to to

475

00:18:41,890 --> 00:18:40,460

hate any group you know oh you stand for

476

00:18:43,840 --> 00:18:41,900

this and that's what I that's what I

477

00:18:45,520 --> 00:18:43,850

hate I don't hate you but you stand for

478

00:18:48,730 --> 00:18:45,530

this and I hate that it's making an

479

00:18:54,580 --> 00:18:48,740

inflammatory statement and and I think I

480

00:18:56,530 --> 00:18:54,590

agree that on the whole anything you you

481

00:18:58,480 --> 00:18:56,540

the many get people's taxes off you're

482

00:19:01,600 --> 00:18:58,490

subject to the problems of trying to

483

00:19:03,400 --> 00:19:01,610

have communication but but I think it's

484

00:19:06,130 --> 00:19:03,410

it's worth pointing out to me in some

485

00:19:09,280 --> 00:19:06,140

generic sense than anything that denies

486

00:19:09,500 --> 00:19:09,290

that is inconsistent with the evidence

487

00:19:12,530 --> 00:19:09,510

of

488

00:19:14,930 --> 00:19:12,540

reality that is used as a tenant for her

489

00:19:15,740 --> 00:19:14,940

living is in some sense well I would say

490

00:19:17,660 --> 00:19:15,750

it's ridiculous

491

00:19:19,820 --> 00:19:17,670

Richard would say it's despicable but

492

00:19:21,620 --> 00:19:19,830

but I said that to Sam Harris when I'm

493

00:19:23,360 --> 00:19:21,630

talking about the fact that well it's

494

00:19:25,370 --> 00:19:23,370

nice to find it nice to say Buddhism is

495

00:19:26,780 --> 00:19:25,380

a kinder gentler kind of he wouldn't

496

00:19:28,850 --> 00:19:26,790

call it a religion of course other

497

00:19:30,470 --> 00:19:28,860

because it's a kinder gentler way of

498

00:19:31,790 --> 00:19:30,480

thinking but it's based one of the many

499

00:19:34,490 --> 00:19:31,800

aspects of it that is completely

500

00:19:37,850 --> 00:19:34,500

ridiculous if someone who claims to be a

501  
00:19:40,040 --> 00:19:37,860  
reasonable man and and tries to be in

502  
00:19:41,780 --> 00:19:40,050  
accord with science the Dalai Lama bases

503  
00:19:43,520 --> 00:19:41,790  
his hope is his whole position is based

504  
00:19:47,960 --> 00:19:43,530  
on something absolutely ridiculous if

505  
00:19:50,360 --> 00:19:47,970  
you really believe in what he said if he

506  
00:19:52,190 --> 00:19:50,370  
really put his money where his mouth is

507  
00:19:53,420 --> 00:19:52,200  
you were resigned as Dali Lama because

508  
00:19:55,540 --> 00:19:53,430  
the Dali Lama is based on on

509  
00:19:58,480 --> 00:19:55,550  
reincarnation which is just nonsense

510  
00:20:01,580 --> 00:19:58,490  
well I don't know if it's just nonsense

511  
00:20:03,290 --> 00:20:01,590  
nonsense we have a we have a group of

512  
00:20:04,610 --> 00:20:03,300  
people and I just talk I mean I didn't

513  
00:20:06,320 --> 00:20:04,620

have a chance to talk to Ian Stevenson

514

00:20:08,390 --> 00:20:06,330

from the University of Virginia because

515

00:20:09,590 --> 00:20:08,400

he's passed away but I just talked to

516

00:20:12,500 --> 00:20:09,600

Jim Tucker

517

00:20:13,640 --> 00:20:12,510

you know respected psychologists in the

518

00:20:16,010 --> 00:20:13,650

department of psychology and psychiatry

519

00:20:18,110 --> 00:20:16,020

at University of Virginia they've done

520

00:20:21,740 --> 00:20:18,120

just extensive work published in the

521

00:20:24,110 --> 00:20:21,750

best journals in their field and I don't

522

00:20:26,150 --> 00:20:24,120

know how anyone could could criticize

523

00:20:28,820 --> 00:20:26,160

what they've done and they offer the

524

00:20:32,870 --> 00:20:28,830

only explanation for what they found in

525

00:20:35,630 --> 00:20:32,880

terms of reincarnation so people live

526

00:20:36,740 --> 00:20:35,640

today then there have been in some of

527

00:20:38,900 --> 00:20:36,750

human history up to about a hundred

528

00:20:39,410 --> 00:20:38,910

years ago so I don't exactly know where

529

00:20:41,390 --> 00:20:39,420

their souls

530

00:20:42,920 --> 00:20:41,400

I mean you just got asked I don't I

531

00:20:46,220 --> 00:20:42,930

don't know where but that's a different

532

00:20:48,470 --> 00:20:46,230

question isn't it I mean what you can do

533

00:20:50,660 --> 00:20:48,480

is ask yourself the following i guide

534

00:20:51,080 --> 00:20:50,670

myself by that by that mantra if you

535

00:20:55,010 --> 00:20:51,090

wish

536

00:20:56,750 --> 00:20:55,020

speaking of Buddhism of the editor of

537

00:20:58,940 --> 00:20:56,760

the New York Times he said I'd like to

538

00:21:01,460 --> 00:20:58,950

keep an open mind but not so open that

539

00:21:03,290 --> 00:21:01,470

my brains fall out and there is and well

540

00:21:05,300 --> 00:21:03,300

my wife heard that when she was in in

541

00:21:07,040 --> 00:21:05,310

Bible School and the everything I know

542

00:21:09,830 --> 00:21:07,050

about science to argue that

543

00:21:11,330 --> 00:21:09,840

reincarnation is likely all we can say

544

00:21:14,360 --> 00:21:11,340

look in science we can't say something

545

00:21:15,980 --> 00:21:14,370

is impossible per se well certain things

546

00:21:17,210 --> 00:21:15,990

we can perhaps if they're well tested

547

00:21:20,030 --> 00:21:17,220

but we can say this is extremely

548

00:21:22,340 --> 00:21:20,040

unlikely it's likely verses on life it's

549

00:21:23,090 --> 00:21:22,350

extremely unlikely there's a god just

550

00:21:24,710 --> 00:21:23,100

like it's extreme

551

00:21:26,930 --> 00:21:24,720

like me there's a teapot orbiting

552

00:21:28,340 --> 00:21:26,940

Jupiter it's extremely unlikely from the

553

00:21:30,799 --> 00:21:28,350

same point of view of every bit of

554

00:21:33,350 --> 00:21:30,809

science that I know of including the

555

00:21:35,510 --> 00:21:33,360

evidence of logic as well as Epirus ISM

556

00:21:37,159 --> 00:21:35,520

that that reincarnation occurs certainly

557

00:21:39,919 --> 00:21:37,169

from a physics perspective there's no

558

00:21:42,380 --> 00:21:39,929

mechanism from from a perspective of

559

00:21:43,970 --> 00:21:42,390

just counting numbers much less a

560

00:21:46,850 --> 00:21:43,980

perspective of the fact that there's no

561

00:21:47,990 --> 00:21:46,860

such evidence any evidentiary existence

562

00:21:50,630 --> 00:21:48,000

for the existence something you might

563

00:21:53,450 --> 00:21:50,640

call a soul none of that is that's all

564

00:21:56,090 --> 00:21:53,460

brand speculation which doesn't have any

565

00:21:58,220 --> 00:21:56,100

basis in evidence and so therefore as a

566

00:22:00,529 --> 00:21:58,230

scientist I'm incredibly skeptical about

567

00:22:02,570 --> 00:22:00,539

oh so well that's what I mean by

568

00:22:04,520 --> 00:22:02,580

nonsense there's no it's if you're just

569

00:22:06,680 --> 00:22:04,530

as likely that reincarnation exists to

570

00:22:08,270 --> 00:22:06,690

me as there is the likelihood that

571

00:22:10,370 --> 00:22:08,280

there's a teapot orbiting Jupiter now I

572

00:22:12,049 --> 00:22:10,380

can't prove there is it just like I

573

00:22:13,549 --> 00:22:12,059

can't in some sense I mean I've heard

574

00:22:15,020 --> 00:22:13,559

all that stuff before and I don't want

575

00:22:16,990 --> 00:22:15,030

to go there too far because I don't

576

00:22:20,090 --> 00:22:17,000

think you know I'd love to sit down and

577

00:22:21,890 --> 00:22:20,100

debate the evidence with you or have dr.

578

00:22:23,870 --> 00:22:21,900

Jim Tucker from universal Virginia or

579

00:22:25,730 --> 00:22:23,880

other people that have studied it

580

00:22:27,440 --> 00:22:25,740

published on it you know I don't think

581

00:22:29,870 --> 00:22:27,450

you're familiar with that research so I

582

00:22:31,460 --> 00:22:29,880

don't think it's really there's you know

583

00:22:32,840 --> 00:22:31,470

at some point as Richard Fineman said

584

00:22:34,370 --> 00:22:32,850

there's lots of things I could study I

585

00:22:36,500 --> 00:22:34,380

choose to study those things that are

586

00:22:37,850 --> 00:22:36,510

likely to likely to be realistic or

587

00:22:41,000 --> 00:22:37,860

reasonable or make progress and it's

588

00:22:42,890 --> 00:22:41,010

logical I don't study UFOs either but

589

00:22:44,539 --> 00:22:42,900

the other thing see there is I mean and

590

00:22:47,180 --> 00:22:44,549

again then we're gonna move on I think

591

00:22:50,029 --> 00:22:47,190

you would really have to tell me

592

00:22:50,690 --> 00:22:50,039

specifically what is wrong with back to

593

00:22:52,279 --> 00:22:50,700

science

594

00:22:55,039 --> 00:22:52,289

what's wrong with the scientific method

595

00:22:56,600 --> 00:22:55,049

that they've employed because I don't

596

00:22:58,640 --> 00:22:56,610

know how else you get to that question

597

00:23:00,529 --> 00:22:58,650

if you if you take kind of a natural

598

00:23:02,840 --> 00:23:00,539

science perspective and say hey there's

599

00:23:04,850 --> 00:23:02,850

a lot of people billions of people

600

00:23:06,529 --> 00:23:04,860

really who report this right or have

601  
00:23:08,180 --> 00:23:06,539  
reported this over history reincarnation

602  
00:23:09,830 --> 00:23:08,190  
you say okay I want to investigate it

603  
00:23:11,810 --> 00:23:09,840  
how would you investigate it and then

604  
00:23:12,860 --> 00:23:11,820  
you go look at how Ian Stevenson Jim

605  
00:23:14,659 --> 00:23:12,870  
Tucker and these other people have

606  
00:23:16,730 --> 00:23:14,669  
investigated it and then you'd say okay

607  
00:23:18,500 --> 00:23:16,740  
but oh here's the fatal flaw in the way

608  
00:23:20,840 --> 00:23:18,510  
they've approached answering that

609  
00:23:23,210 --> 00:23:20,850  
question I don't I've talked to you know

610  
00:23:26,149 --> 00:23:23,220  
I just was I talked to a professor of

611  
00:23:27,590 --> 00:23:26,159  
philosophy dr. Robert al murder the

612  
00:23:30,799 --> 00:23:27,600  
other day highly highly regarded I

613  
00:23:32,899 --> 00:23:30,809

forget what fancy title he has and what

614

00:23:34,549 --> 00:23:32,909

awards he's won but this is his point he

615

00:23:37,080 --> 00:23:34,559

says I was not inclined to believe this

616

00:23:39,780 --> 00:23:37,090

at all but the methodology I found no

617

00:23:43,350 --> 00:23:39,790

in it the work I found no fault in it so

618

00:23:45,720 --> 00:23:43,360

I am forced compelled to only say that

619

00:23:48,060 --> 00:23:45,730

these are the only guys who've looked at

620

00:23:49,770 --> 00:23:48,070

the data and their hypothesis for what

621

00:23:51,390 --> 00:23:49,780

the explanation is is the only one out

622

00:23:53,610 --> 00:23:51,400

there if somebody comes up with a better

623

00:23:55,590 --> 00:23:53,620

one I'm willing to hear it but people

624

00:23:57,360 --> 00:23:55,600

can spend their time doing that I told

625

00:23:59,700 --> 00:23:57,370

you before I could investigate I get I

626  
00:24:01,050 --> 00:23:59,710  
used to debate in the old days and you

627  
00:24:03,840 --> 00:24:01,060  
of all people they'd say do you know

628  
00:24:05,640 --> 00:24:03,850  
about this episode 1946 and if you

629  
00:24:08,190 --> 00:24:05,650  
haven't investigated that completely how

630  
00:24:09,510 --> 00:24:08,200  
can you tell me that UFOs are not like

631  
00:24:12,060 --> 00:24:09,520  
using an ax and I was like what I can

632  
00:24:14,460 --> 00:24:12,070  
say is it's highly unlikely I don't have

633  
00:24:16,470 --> 00:24:14,470  
the time or inclination so it might have

634  
00:24:18,060 --> 00:24:16,480  
to be convinced by some piece of

635  
00:24:20,520 --> 00:24:18,070  
evidence that suggests that it was worth

636  
00:24:24,600 --> 00:24:20,530  
my time to understand why that Professor

637  
00:24:25,980 --> 00:24:24,610  
air and then after all as I told him

638  
00:24:28,380 --> 00:24:25,990

once the stuff that's published even

639

00:24:29,730 --> 00:24:28,390

rich easy to generals is garbage and I'm

640

00:24:31,230 --> 00:24:29,740

very skeptical of many of the things

641

00:24:33,960 --> 00:24:31,240

that are done in psychology I have to

642

00:24:35,730 --> 00:24:33,970

admit but I don't have the time or

643

00:24:38,010 --> 00:24:35,740

inclination to investigate something

644

00:24:40,320 --> 00:24:38,020

that that is highly likely to be wrong

645

00:24:41,910 --> 00:24:40,330

you don't have the time let's stick to

646

00:24:43,620 --> 00:24:41,920

that because right now I know you're

647

00:24:45,810 --> 00:24:43,630

pressed for time and I do appreciate the

648

00:24:48,390 --> 00:24:45,820

time you spent with me I hope people do

649

00:24:51,930 --> 00:24:48,400

check out the unbelievers it's really I

650

00:24:53,910 --> 00:24:51,940

think no matter which side of this fence

651  
00:24:55,650 --> 00:24:53,920  
you sit on unless you're kind of a very

652  
00:24:58,080 --> 00:24:55,660  
religious person then the movie might

653  
00:24:59,880 --> 00:24:58,090  
not be for you but it's easy to access

654  
00:25:01,950 --> 00:24:59,890  
you can get it on I think I watch it on

655  
00:25:04,710 --> 00:25:01,960  
Netflix for free but you can also watch

656  
00:25:06,990 --> 00:25:04,720  
it through Amazon any number of places

657  
00:25:09,270 --> 00:25:07,000  
DVD all that good stuff but one last

658  
00:25:11,070 --> 00:25:09,280  
question a couple weeks ago I had a

659  
00:25:13,650 --> 00:25:11,080  
chance to talk to Michael Shermer about

660  
00:25:15,270 --> 00:25:13,660  
his new book the moral arc and which I

661  
00:25:17,790 --> 00:25:15,280  
thought is a very fine book and it makes

662  
00:25:19,920 --> 00:25:17,800  
the case that these moral trends that

663  
00:25:22,800 --> 00:25:19,930

we're all I guess we could say proud of

664

00:25:24,360 --> 00:25:22,810

and identify with as a culture those

665

00:25:26,640 --> 00:25:24,370

trends in the last couple years cannot

666

00:25:28,260 --> 00:25:26,650

be traced to religion can't be traced to

667

00:25:30,750 --> 00:25:28,270

some scripture that was found under a

668

00:25:33,960 --> 00:25:30,760

rock or anything like that but can only

669

00:25:37,110 --> 00:25:33,970

be traced from us from our logic our

670

00:25:38,760 --> 00:25:37,120

reason our society now that's all well

671

00:25:40,470 --> 00:25:38,770

and good and we can all feel good about

672

00:25:43,890 --> 00:25:40,480

that and I think atheists can feel good

673

00:25:45,600 --> 00:25:43,900

about that but we come across you know I

674

00:25:47,490 --> 00:25:45,610

saw in the film that you're at the

675

00:25:48,780 --> 00:25:47,500

global atheist convention and you say

676

00:25:50,880 --> 00:25:48,790

what you've said a million times before

677

00:25:53,220 --> 00:25:50,890

you know there's no me

678

00:25:56,669 --> 00:25:53,230

in the universe right there's no meaning

679

00:25:59,280 --> 00:25:56,679

to being yeah okay well but shorthand

680

00:26:01,470 --> 00:25:59,290

there's no meaning the point is we can't

681

00:26:03,600 --> 00:26:01,480

really connect those I think atheists

682

00:26:05,880 --> 00:26:03,610

have a real hard time because come on

683

00:26:07,860 --> 00:26:05,890

let's be honest logically if there's no

684

00:26:09,840 --> 00:26:07,870

meaning in the universe then there's no

685

00:26:11,850 --> 00:26:09,850

meaning in life there's no moral

686

00:26:14,370 --> 00:26:11,860

imperative there's no way to connect

687

00:26:16,350 --> 00:26:14,380

that with schirmer's moral are if you if

688

00:26:18,030 --> 00:26:16,360

you listen to month the full part of the

689

00:26:19,950 --> 00:26:18,040

movie if my point was that you make your

690

00:26:21,120 --> 00:26:19,960

own meaning you make your own meaning in

691

00:26:23,250 --> 00:26:21,130

life and try and make your own

692

00:26:26,460 --> 00:26:23,260

contribution it makes my life much more

693

00:26:27,780 --> 00:26:26,470

precious to know that that the universe

694

00:26:30,299 --> 00:26:27,790

doesn't give a damn about what I'm doing

695

00:26:32,430 --> 00:26:30,309

and I can determine what I'm doing and

696

00:26:34,590 --> 00:26:32,440

decide whether it's worthwhile or not it

697

00:26:37,770 --> 00:26:34,600

gives me much more energy motivation I

698

00:26:39,930 --> 00:26:37,780

got all that but my own meaning inside

699

00:26:42,450 --> 00:26:39,940

of a universe a world that has no

700

00:26:46,049 --> 00:26:42,460

meaning is an illusion I mean this is

701  
00:26:47,640 --> 00:26:46,059  
one of the tenets of atheism Daniel

702  
00:26:50,460 --> 00:26:47,650  
Dennett consciousness is an illusion I

703  
00:26:53,580 --> 00:26:50,470  
mean this is what it is it is something

704  
00:26:55,620 --> 00:26:53,590  
that we determine as humans is meaning

705  
00:26:56,909 --> 00:26:55,630  
to us that certain things are important

706  
00:26:58,289 --> 00:26:56,919  
or certain things are not important

707  
00:27:00,330 --> 00:26:58,299  
they're not globally important whether

708  
00:27:02,580 --> 00:27:00,340  
humanity survives or not doesn't it

709  
00:27:04,830 --> 00:27:02,590  
doesn't matter at all to their universe

710  
00:27:06,690 --> 00:27:04,840  
we're irrelevant to the universe so but

711  
00:27:08,970 --> 00:27:06,700  
we decide it's important because we are

712  
00:27:11,159 --> 00:27:08,980  
fortunate enough to have brains and an

713  
00:27:13,860 --> 00:27:11,169

ability to have foresight an ability to

714

00:27:18,110 --> 00:27:13,870

to plan our actions and we therefore

715

00:27:20,100 --> 00:27:18,120

have the great luxury of trying to

716

00:27:22,530 --> 00:27:20,110

effectively work to make our own lives

717

00:27:23,970 --> 00:27:22,540

and lives around us better but but we

718

00:27:26,940 --> 00:27:23,980

but that's a person that's a human

719

00:27:29,700 --> 00:27:26,950

that's a human decision and in a global

720

00:27:31,260 --> 00:27:29,710

sense and a cosmic sense is completely

721

00:27:33,060 --> 00:27:31,270

irrelevant but no it doesn't make make

722

00:27:34,320 --> 00:27:33,070

it any less important because I'm living

723

00:27:36,180 --> 00:27:34,330

on earth I'm not living somewhere else

724

00:27:37,890 --> 00:27:36,190

I'm a human surrounded by other humans

725

00:27:39,930 --> 00:27:37,900

and therefore the importance that I

726

00:27:42,210 --> 00:27:39,940

tribute to my activities as a human is

727

00:27:43,890 --> 00:27:42,220

based on my experience as a human and I

728

00:27:46,620 --> 00:27:43,900

recognize that and nothing more nothing

729

00:27:49,470 --> 00:27:46,630

less but it but it enlivens me and it

730

00:27:51,000 --> 00:27:49,480

inspires me to do my best I think it's

731

00:27:53,310 --> 00:27:51,010

probably a good time to go okay I don't

732

00:27:55,799 --> 00:27:53,320

see how that's anything less than an

733

00:27:57,990 --> 00:27:55,809

illusion but another discussion for

734

00:27:59,700 --> 00:27:58,000

another time it's been great talking to

735

00:28:02,190 --> 00:27:59,710

you again folks the movie that you want

736

00:28:04,740 --> 00:28:02,200

to check out is the unbelievers starring

737

00:28:06,060 --> 00:28:04,750

our guest today dr. Lawrence Krauss

738

00:28:08,460 --> 00:28:06,070

it's been great having you on the show

739

00:28:10,770 --> 00:28:08,470

thank you very much thank you okay

740

00:28:12,630 --> 00:28:10,780

thanks again to dr. cross for joining me

741

00:28:14,160 --> 00:28:12,640

today on skeptic oh you know one

742

00:28:17,010 --> 00:28:14,170

pushback I anticipate from this

743

00:28:19,040 --> 00:28:17,020

interview is folks Hank you know dr.

744

00:28:21,750 --> 00:28:19,050

Krauss doesn't really represent

745

00:28:24,330 --> 00:28:21,760

mainstream science he's kind of on the

746

00:28:25,950 --> 00:28:24,340

edge kind of has an extreme position but

747

00:28:28,440 --> 00:28:25,960

I have to disagree you know certainly

748

00:28:31,350 --> 00:28:28,450

there aren't many professors at a major

749

00:28:34,500 --> 00:28:31,360

state university that would openly call

750

00:28:36,540 --> 00:28:34,510

for the Dalai Lama to step down that is

751  
00:28:39,540 --> 00:28:36,550  
extreme but I tell you what I think

752  
00:28:43,110 --> 00:28:39,550  
science as we know it the institution of

753  
00:28:45,270 --> 00:28:43,120  
science loves when dr. Krauss steps out

754  
00:28:47,940 --> 00:28:45,280  
there and says these kind of things

755  
00:28:50,310 --> 00:28:47,950  
he's the barking dog on the chain that

756  
00:28:52,230 --> 00:28:50,320  
keeps everyone in line it's just like

757  
00:28:55,200 --> 00:28:52,240  
when Richard Dawkins says I don't

758  
00:28:58,050 --> 00:28:55,210  
despise religious people I despise what

759  
00:29:00,960 --> 00:28:58,060  
they stand for so don't expect any

760  
00:29:03,030 --> 00:29:00,970  
outcry from science groups admonishing

761  
00:29:06,120 --> 00:29:03,040  
dr. Krauss for remarks that many will

762  
00:29:08,070 --> 00:29:06,130  
find offensive insensitive and from a

763  
00:29:09,960 --> 00:29:08,080

scientific standpoint unsubstantiated

764

00:29:11,970 --> 00:29:09,970

but we won't even go there and don't

765

00:29:14,250 --> 00:29:11,980

expect any outcry because you haven't

766

00:29:16,620 --> 00:29:14,260

heard it about Richard Dawkins comments

767

00:29:19,440 --> 00:29:16,630

even though it opens the door to hate

768

00:29:22,260 --> 00:29:19,450

any group that you don't like oh I take

769

00:29:25,590 --> 00:29:22,270

it back we don't hate them we hate what

770

00:29:27,660 --> 00:29:25,600

they stand for no science falls in line

771

00:29:29,910 --> 00:29:27,670

with these ideas because they've been

772

00:29:32,160 --> 00:29:29,920

conditioned to think it supports this

773

00:29:34,830 --> 00:29:32,170

phony battle between science and

774

00:29:37,350 --> 00:29:34,840

religion that occupies so much of our

775

00:29:39,360 --> 00:29:37,360

time so I'm a course very glad that dr.

776

00:29:41,540 --> 00:29:39,370

Krauss came out skeptic oh and shared

777

00:29:43,980 --> 00:29:41,550

these ideas because I think they are

778

00:29:45,990 --> 00:29:43,990

representative of the institution of

779

00:29:47,930 --> 00:29:46,000

science science as we know it of its

780

00:29:50,400 --> 00:29:47,940

current position regarding these issues

781

00:29:52,560 --> 00:29:50,410

so with that let me offer up a couple of

782

00:29:56,460 --> 00:29:52,570

questions from this interview question

783

00:29:57,720 --> 00:29:56,470

number one is reincarnation nonsense and

784

00:30:00,180 --> 00:29:57,730

I'd asked that question from a

785

00:30:02,700 --> 00:30:00,190

scientific standpoint how would we

786

00:30:04,950 --> 00:30:02,710

approach the question of reincarnation

787

00:30:08,040 --> 00:30:04,960

since it's such a widely held belief

788

00:30:10,800 --> 00:30:08,050

many people having not only a belief in

789

00:30:12,720 --> 00:30:10,810

it by birth but an actual experience of

790

00:30:15,780 --> 00:30:12,730

it of memories of recollections of

791

00:30:18,300 --> 00:30:15,790

previous lives how would we explore such

792

00:30:20,490 --> 00:30:18,310

a question scientifically

793

00:30:23,310 --> 00:30:20,500

question number two how can your life

794

00:30:25,320 --> 00:30:23,320

have any meaning if you live in a

795

00:30:27,090 --> 00:30:25,330

meaningless universe I've asked this

796

00:30:29,280 --> 00:30:27,100

question to so many atheists and

797

00:30:31,620 --> 00:30:29,290

skeptics and I never seem to get an

798

00:30:34,020 --> 00:30:31,630

answer and I don't think I got an answer

799

00:30:36,770 --> 00:30:34,030

from dr. Krauss either I mean this is

800

00:30:40,110 --> 00:30:36,780

simple logic folks if the entire

801  
00:30:42,390 --> 00:30:40,120  
universe is meaningless then how is it

802  
00:30:44,880 --> 00:30:42,400  
possible that your life has any meaning

803  
00:30:46,710 --> 00:30:44,890  
any real mean of course you can pretend

804  
00:30:49,770 --> 00:30:46,720  
like your life has meaning but it's

805  
00:30:52,920 --> 00:30:49,780  
inside of the universe that has no

806  
00:30:55,860 --> 00:30:52,930  
meaning how is that possible and finally

807  
00:30:58,590 --> 00:30:55,870  
I'd offer up one answer to dr. Krauss

808  
00:31:00,570 --> 00:30:58,600  
this question of how can reincarnation

809  
00:31:03,540 --> 00:31:00,580  
exist if there's more people on the

810  
00:31:06,110 --> 00:31:03,550  
planet now than ever before the answer

811  
00:31:09,270 --> 00:31:06,120  
is I don't know because we haven't

812  
00:31:11,580 --> 00:31:09,280  
investigated how reincarnation might

813  
00:31:14,010 --> 00:31:11,590

work and what is the nature of

814

00:31:16,890 --> 00:31:14,020

consciousness that might exist outside

815

00:31:19,560 --> 00:31:16,900

the body you know when I was listening

816

00:31:21,660 --> 00:31:19,570

to dr. Krauss and his ramblings on

817

00:31:23,880 --> 00:31:21,670

extraordinary claims an extraordinary

818

00:31:26,520 --> 00:31:23,890

proof I couldn't help but remember a

819

00:31:28,230 --> 00:31:26,530

recent interview I did with radio host

820

00:31:31,110 --> 00:31:28,240

Tim banal and I thought he had an

821

00:31:33,740 --> 00:31:31,120

excellent reworking of that phrase in

822

00:31:38,460 --> 00:31:33,750

his is that extraordinary claims require

823

00:31:40,980 --> 00:31:38,470

extraordinary investigations I think

824

00:31:43,020 --> 00:31:40,990

Tim's got it right on the money so

825

00:31:45,060 --> 00:31:43,030

finally if you'd like to jump in and

826

00:31:47,640 --> 00:31:45,070

answer any of those questions or if you

827

00:31:50,640 --> 00:31:47,650

have any other comments about this show

828

00:31:55,590 --> 00:31:50,650

the place to connect with us is through

829

00:31:58,050 --> 00:31:55,600

the skeptic Oh website at ske pti ke o

830

00:32:00,240 --> 00:31:58,060

comm you can leave a comment right there

831

00:32:03,120 --> 00:32:00,250

on the website or jump over to the forum

832

00:32:05,490 --> 00:32:03,130

section and join us in conversation over

833

00:32:07,770 --> 00:32:05,500

there it's very easy to do just takes a

834

00:32:11,040 --> 00:32:07,780

minute to register we never bug you with

835

00:32:12,570 --> 00:32:11,050

emails or mailing lists or anything like

836

00:32:15,150 --> 00:32:12,580

that it's just a place for people to

837

00:32:17,580 --> 00:32:15,160

connect and talk finally you can connect

838

00:32:19,080 --> 00:32:17,590

with me via Facebook or of course send

839

00:32:21,780 --> 00:32:19,090

me an email by the way thanks to

840

00:32:23,910 --> 00:32:21,790

everyone for all the support on the show

841

00:32:25,680 --> 00:32:23,920

I've gotten a lot of good feedback on

842

00:32:28,140 --> 00:32:25,690

some of the interviews I've been doing

843

00:32:30,300 --> 00:32:28,150

in support of my book why science is

844

00:32:31,919 --> 00:32:30,310

wrong about almost everything it's been

845

00:32:34,080 --> 00:32:31,929

so fun to do as

846

00:32:36,899 --> 00:32:34,090

cently on mysterious universe that was a

847

00:32:38,940 --> 00:32:36,909

lot of fun I was also on the paranormal

848

00:32:41,310 --> 00:32:38,950

podcast with Jim Harold that was great

849

00:32:43,830 --> 00:32:41,320

as well I'm posting some of those links

850

00:32:46,019 --> 00:32:43,840

to those interviews on the book website

851  
00:32:47,369 --> 00:32:46,029  
why science is wrong calm be sure to

852  
00:32:49,859 --> 00:32:47,379  
check that out if you're at all

853  
00:32:51,629 --> 00:32:49,869  
interested otherwise keep listening I

854  
00:32:53,519 --> 00:32:51,639  
appreciate it I love hearing how people

855  
00:32:55,470 --> 00:32:53,529  
have found the show I love hearing how

856  
00:32:57,330 --> 00:32:55,480  
people recommend the show to their

857  
00:33:00,419 --> 00:32:57,340  
friends and other people it's so great

858  
00:33:03,029 --> 00:33:00,429  
to spread this community and get more

859  
00:33:05,820 --> 00:33:03,039  
people thinking and talking about these

860  
00:33:08,489 --> 00:33:05,830  
topics it's a real charge for me when we

861  
00:33:11,100 --> 00:33:08,499  
do that so I hope we can just continue

862  
00:33:13,080 --> 00:33:11,110  
doing it as much as we can I do have a

863  
00:33:16,259 --> 00:33:13,090

bunch of really good shows coming up I

864

00:33:18,299 --> 00:33:16,269

feel a little bit of an obligation to

865

00:33:19,830 --> 00:33:18,309

get these out I have been holding on to

866

00:33:23,039 --> 00:33:19,840

some of them for a while but it's just

867

00:33:24,869 --> 00:33:23,049

hard to get everything moving and get

868

00:33:26,970 --> 00:33:24,879

them all out but I'm gonna keep trying

869

00:33:28,739 --> 00:33:26,980

to do that there's some really good ones

870

00:33:31,710 --> 00:33:28,749

coming up though please stay tuned for