

1
00:00:05,929 --> 00:00:12,589
welcome to the skeptic zone the podcast

2
00:00:09,089 --> 00:00:16,439
from Australia for science and reason

3
00:00:12,589 --> 00:00:26,429
yuria hosts Richard Saunders and Stefan

4
00:00:16,440 --> 00:00:28,410
psycho hello Richard a steppin I can't

5
00:00:26,429 --> 00:00:31,230
believe I'm actually here that can't be

6
00:00:28,410 --> 00:00:34,320
Hillston park RSL club in the quarantine

7
00:00:31,230 --> 00:00:36,960
holding doc about to go into the tank we

8
00:00:34,320 --> 00:00:38,670
are in a little while you're recording

9
00:00:36,960 --> 00:00:40,259
the think tank great to see you here and

10
00:00:38,670 --> 00:00:42,149
our favorite club down the end of the

11
00:00:40,259 --> 00:00:44,339
street as we like to say that I even let

12
00:00:42,149 --> 00:00:45,660
me in as well which is amazing think

13
00:00:44,340 --> 00:00:48,840
that was a mistake but never mind this

14
00:00:45,659 --> 00:00:51,328
is episode number 175 of the skeptic

15
00:00:48,840 --> 00:00:54,930
zone for the 20 and Counting for the

16
00:00:51,329 --> 00:00:58,530
25th off februari 2012 ponyta the last

17
00:00:54,929 --> 00:01:01,109
year of existence make the most of it we

18
00:00:58,530 --> 00:01:02,549
certainly are here we are in fact the

19
00:01:01,109 --> 00:01:04,350
other the other members of the skeptics

20
00:01:02,549 --> 00:01:05,938
owner gathering as we speak they are

21
00:01:04,349 --> 00:01:07,859
vigorously gathering there is a

22
00:01:05,938 --> 00:01:09,478
gatherers together including me no no no

23
00:01:07,859 --> 00:01:10,769
no it's great to be here if anyone's

24
00:01:09,478 --> 00:01:12,450
wondering jee main and what you do when

25
00:01:10,769 --> 00:01:14,879
you're not doing a skeptic zone check

26
00:01:12,450 --> 00:01:17,310
out the mr and ms leather australia

27
00:01:14,879 --> 00:01:19,289
competition which i co-hosted last

28
00:01:17,310 --> 00:01:21,060
sunday night at the oxford hotel it's

29

00:01:19,290 --> 00:01:23,070
not for the squeamish but i was there my

30
00:01:21,060 --> 00:01:24,629
hunter s thompson outfit so when i'm not

31
00:01:23,069 --> 00:01:26,728
the skipped exam that's kind of how it's

32
00:01:24,629 --> 00:01:28,289
been my time they would've been awesome

33
00:01:26,728 --> 00:01:29,879
right it was pretty good but look I tell

34
00:01:28,290 --> 00:01:31,640
you what's coming up on this show is a

35
00:01:29,879 --> 00:01:34,819
bit wild of the what I saw how something

36
00:01:31,640 --> 00:01:37,680
so what is coming up on the show me well

37
00:01:34,819 --> 00:01:40,139
I'm glad you asked if I'm glad you asked

38
00:01:37,680 --> 00:01:43,229
in fact that would kick off the show we

39
00:01:40,140 --> 00:01:44,640
have a Maynard and I rants again oh I'm

40
00:01:43,228 --> 00:01:46,379
not talking about Schrodinger's

41
00:01:44,640 --> 00:01:47,939
Schrodinger's cat that's not the one

42
00:01:46,379 --> 00:01:49,469
where you put the peanut butter toast

43
00:01:47,938 --> 00:01:51,419

strap it to the back and it's keeps

44

00:01:49,469 --> 00:01:53,310
spinning is it is that the cat yeah I

45

00:01:51,420 --> 00:01:54,840
don't think so it's to do with a dead

46

00:01:53,310 --> 00:01:57,868
cat litter BOTS other they kept the box

47

00:01:54,840 --> 00:02:00,509
that's right yes yes find out more one

48

00:01:57,868 --> 00:02:02,578
playing order on interviews no no

49

00:02:00,509 --> 00:02:04,078
Wednesday night interviews Iran people

50

00:02:02,578 --> 00:02:06,089
basically we did something on the dirty

51

00:02:04,078 --> 00:02:08,019
disbelievers which we got our straw our

52

00:02:06,090 --> 00:02:10,330
astrology friend under got it wrong and

53

00:02:08,020 --> 00:02:13,180
got it wrong and I ran rang me up and

54

00:02:10,330 --> 00:02:15,940
anyway already insured time to revisit

55

00:02:13,180 --> 00:02:18,129
time to revisit and after that the rest

56

00:02:15,939 --> 00:02:20,740
of the show is devoted to what promises

57

00:02:18,129 --> 00:02:23,019
to be a very interesting think tank

58
00:02:20,740 --> 00:02:25,300
because the whole gang are here hello

59
00:02:23,020 --> 00:02:26,950
skeptics that the local skeptics are in

60
00:02:25,300 --> 00:02:30,219
the crew not so not luma not an hour

61
00:02:26,949 --> 00:02:31,989
overseas correspondence I penny Chan and

62
00:02:30,219 --> 00:02:33,580
travis roy but everybody else in the

63
00:02:31,990 --> 00:02:35,290
skeptic zone is in the same room same

64
00:02:33,580 --> 00:02:37,900
time big one it's gonna be a big so

65
00:02:35,289 --> 00:02:39,579
that's yourself Boehner dr. Reggie Joe

66
00:02:37,900 --> 00:02:40,870
Benna mu and Imran sir given myself

67
00:02:39,580 --> 00:02:42,280
we're going to be talking about

68
00:02:40,870 --> 00:02:44,280
celebrities we're going to be talking

69
00:02:42,280 --> 00:02:47,140
about friends of science and medicine

70
00:02:44,280 --> 00:02:49,659
pothole of 54 in these wonderful YouTube

71
00:02:47,139 --> 00:02:51,039
videos and the Australian vaccination

72
00:02:49,659 --> 00:02:52,090
network it's all happening I think we

73
00:02:51,039 --> 00:02:53,650
should just get straight on with it

74
00:02:52,090 --> 00:02:55,629
because it is going to be a very huge

75
00:02:53,650 --> 00:02:57,370
show yeah I've got a photo a new none i

76
00:02:55,629 --> 00:02:59,469
want to show you from last sunday so you

77
00:02:57,370 --> 00:03:01,629
better run the show all of this will

78
00:02:59,469 --> 00:03:04,389
look at your photographs of the noon on

79
00:03:01,629 --> 00:03:07,299
Maynard and while we run to the bar and

80
00:03:04,389 --> 00:03:10,029
have another I don't have another drink

81
00:03:07,300 --> 00:03:12,240
will let everybody enjoy the skeptic

82
00:03:10,030 --> 00:03:12,240
zone

83
00:03:19,360 --> 00:03:24,110
the new south wales Supreme Court has

84
00:03:22,550 --> 00:03:26,360
ruled it's not within the jurisdiction

85
00:03:24,110 --> 00:03:28,520
of the health care Complaints Commission

86

00:03:26,360 --> 00:03:31,780
to issue public warnings against a

87
00:03:28,520 --> 00:03:35,030
prominent anti-vaccination group in July

88
00:03:31,780 --> 00:03:37,219
2010 the H Triple C issued a warning

89
00:03:35,030 --> 00:03:39,348
that the Australian vaccination network

90
00:03:37,219 --> 00:03:42,259
provided inaccurate and misleading

91
00:03:39,348 --> 00:03:44,149
information against vaccination it also

92
00:03:42,259 --> 00:03:46,939
accused the network of selectively

93
00:03:44,150 --> 00:03:48,739
quoting research out of context the

94
00:03:46,939 --> 00:03:50,930
network took the H Triple C to the

95
00:03:48,739 --> 00:03:53,299
supreme court to challenge the public

96
00:03:50,930 --> 00:03:55,430
warning today's decision said nothing

97
00:03:53,299 --> 00:03:57,830
about the accuracy of the information on

98
00:03:55,430 --> 00:03:59,120
the network's website the court did not

99
00:03:57,830 --> 00:04:01,219
overturn the new south wales

100
00:03:59,120 --> 00:04:05,420

government's decision to cancel the

101

00:04:01,219 --> 00:04:10,098

vaccination networks charity status well

102

00:04:05,419 --> 00:04:12,079

folks as you probably know by now the in

103

00:04:10,098 --> 00:04:17,358

the case of the Australian vaccination

104

00:04:12,080 --> 00:04:18,889

Network versus the HH Triple C the

105

00:04:17,358 --> 00:04:21,379

judgment was for the Australian

106

00:04:18,889 --> 00:04:24,319

vaccination network so not a good day

107

00:04:21,379 --> 00:04:27,680

for science and reason and medicine

108

00:04:24,319 --> 00:04:29,990

today sitting with me here in our little

109

00:04:27,680 --> 00:04:31,970

post-mortem in a little cafe we've just

110

00:04:29,990 --> 00:04:34,870

come out of the judge or the court case

111

00:04:31,970 --> 00:04:37,700

here's Peter ratbag without inch Peter

112

00:04:34,870 --> 00:04:39,079

yes morning no not there I say good

113

00:04:37,699 --> 00:04:40,550

morning good morning no that's good

114

00:04:39,079 --> 00:04:43,009

morning in the polite Senate rather than

115
00:04:40,550 --> 00:04:45,829
good morning individual sales not the

116
00:04:43,009 --> 00:04:50,360
result I was expecting I must say I

117
00:04:45,829 --> 00:04:52,519
thought that the case was all about

118
00:04:50,360 --> 00:04:54,139
H Triple C having jurisdiction to see

119
00:04:52,519 --> 00:04:56,508
these people providing health care and

120
00:04:54,139 --> 00:04:57,889
the judge didn't see that way it looks

121
00:04:56,509 --> 00:04:59,538
like we won't know we read the full

122
00:04:57,889 --> 00:05:01,579
judgement which will must be available

123
00:04:59,538 --> 00:05:04,610
zoom on the Supreme Court website later

124
00:05:01,579 --> 00:05:06,168
today it looks like she picked up the

125
00:05:04,610 --> 00:05:08,718
fact that the legislation specifically

126
00:05:06,168 --> 00:05:10,639
states he'd use the word individual it

127
00:05:08,718 --> 00:05:12,259
looks like she is interpreting the law

128
00:05:10,639 --> 00:05:14,810
of the legislation to moon but you have

129
00:05:12,259 --> 00:05:15,979
to be an affected individual before you

130
00:05:14,810 --> 00:05:18,288
can make a complaint about a health care

131
00:05:15,978 --> 00:05:21,560
provider and the people who made the

132
00:05:18,288 --> 00:05:23,389
complaints were affected by yeah the

133
00:05:21,560 --> 00:05:26,598
words of the Australian vaccination

134
00:05:23,389 --> 00:05:29,300
deadly so they'd say what you're saying

135
00:05:26,598 --> 00:05:31,788
is that because they had no grounds to

136
00:05:29,300 --> 00:05:33,500
make legal complaint here for the ACE

137
00:05:31,788 --> 00:05:35,930
Triple C had no grounds on which to do

138
00:05:33,500 --> 00:05:39,168
anything about go there it certainly

139
00:05:35,930 --> 00:05:40,879
appeared to me as though it was one a

140
00:05:39,168 --> 00:05:44,408
classic case of a legal technicality

141
00:05:40,879 --> 00:05:47,449
that's right a bitch she did say in the

142
00:05:44,408 --> 00:05:49,098
discussion on Wednesday that she felt

143

00:05:47,449 --> 00:05:52,009
that it was a legislative forum and it's

144
00:05:49,098 --> 00:05:53,538
looking for yeah but we don't the job is

145
00:05:52,009 --> 00:05:55,520
to hit her job is to this twit the law

146
00:05:53,538 --> 00:05:56,990
as it stands I agree she couldn't just

147
00:05:55,519 --> 00:05:59,088
make up her own laws and say well but in

148
00:05:56,990 --> 00:06:00,379
this case I think this see her she can't

149
00:05:59,088 --> 00:06:05,478
she had to stick to the letter of the

150
00:06:00,379 --> 00:06:09,169
law yes I'll get feed her actual

151
00:06:05,478 --> 00:06:10,399
judgment later today and read it I would

152
00:06:09,168 --> 00:06:12,408
almost bet money on that's what she's

153
00:06:10,399 --> 00:06:15,348
saying all right the important message

154
00:06:12,408 --> 00:06:17,538
of course is that what the Australian

155
00:06:15,348 --> 00:06:19,399
vaccination network are doing is still

156
00:06:17,538 --> 00:06:21,259
wrong regardless of whatever ruling was

157
00:06:19,399 --> 00:06:24,560

made today about jurisdiction about one

158

00:06:21,259 --> 00:06:26,120

legal body or another and that we are

159

00:06:24,560 --> 00:06:29,509

not going to

160

00:06:26,120 --> 00:06:32,740

to stop our fight and letting people

161

00:06:29,509 --> 00:06:36,228

know that these people are anti vats and

162

00:06:32,740 --> 00:06:38,689

equipment that it's if we know what

163

00:06:36,228 --> 00:06:39,859

we've had a case here where it's been

164

00:06:38,689 --> 00:06:42,439

said that no action taken by a

165

00:06:39,860 --> 00:06:43,790

government department because there is

166

00:06:42,439 --> 00:06:45,529

still the other couple of Department the

167

00:06:43,790 --> 00:06:47,720

office of lipid gaming and raising that

168

00:06:45,529 --> 00:06:51,049

withdrawing the charity status now I

169

00:06:47,720 --> 00:06:54,260

think any idea that because the OLZ and

170

00:06:51,050 --> 00:06:57,050

I mentioned the H Triple C ruling and

171

00:06:54,259 --> 00:06:59,300

their warnings I think it was assumed

172
00:06:57,050 --> 00:07:00,470
that if this was overturned that the OLG

173
00:06:59,300 --> 00:07:04,160
and I would have to restore the charity

174
00:07:00,470 --> 00:07:06,800
status but i hope you what I syndrome

175
00:07:04,160 --> 00:07:08,000
from the routing of it is that our jury

176
00:07:06,800 --> 00:07:10,569
an hour simply added that to the pile

177
00:07:08,000 --> 00:07:12,769
they took action on the basis of

178
00:07:10,569 --> 00:07:14,779
accounting poor terrible collections

179
00:07:12,769 --> 00:07:17,359
wasn't done correctly and that hasn't

180
00:07:14,779 --> 00:07:19,569
gone away yes I ok so there are more

181
00:07:17,360 --> 00:07:23,060
things looming of course for the

182
00:07:19,569 --> 00:07:24,978
vaccination network look it is not as we

183
00:07:23,060 --> 00:07:27,860
said it's not the result I was expecting

184
00:07:24,978 --> 00:07:29,389
personally but then again I mean that's

185
00:07:27,860 --> 00:07:33,650
why she's the judge and I don't know the

186
00:07:29,389 --> 00:07:34,970
Lord and she does and we'll leave it at

187
00:07:33,649 --> 00:07:37,939
that because we're all just sort of

188
00:07:34,970 --> 00:07:40,070
twittering and going to have this have a

189
00:07:37,939 --> 00:07:43,370
coffee at the moment and think about

190
00:07:40,069 --> 00:07:47,168
this more but Meryl we're not giving up

191
00:07:43,370 --> 00:07:47,168
forget about it it won't happen

192
00:08:02,360 --> 00:08:10,069
here's my not spooky action at the

193
00:08:07,560 --> 00:08:10,069
distance

194
00:08:10,660 --> 00:08:14,990
well here we get a favor to crank mail

195
00:08:13,009 --> 00:08:20,120
and we've got some crank mail right now

196
00:08:14,990 --> 00:08:21,290
crank mail great male crank from none

197
00:08:20,120 --> 00:08:23,180
other than the president of the

198
00:08:21,290 --> 00:08:25,430
Australian skeptics Iran said oh have

199
00:08:23,180 --> 00:08:27,319
you around I'm very good man out you

200

00:08:25,430 --> 00:08:29,329
picked a problem with this show dirty

201
00:08:27,319 --> 00:08:32,149
disbelievers when it was on over January

202
00:08:29,329 --> 00:08:34,730
in fact you said your email we are wrong

203
00:08:32,149 --> 00:08:36,169
wrong wrong it's wrong I believe is what

204
00:08:34,730 --> 00:08:38,240
you wrote something along those lines

205
00:08:36,169 --> 00:08:40,039
here make a few more words choice words

206
00:08:38,240 --> 00:08:42,350
to now what we were looking at was the

207
00:08:40,039 --> 00:08:44,990
thought experiment of Schrodinger's cat

208
00:08:42,350 --> 00:08:48,170
and we explained the thought experiment

209
00:08:44,990 --> 00:08:51,230
of Schrodinger's cat Schrodinger's cat

210
00:08:48,169 --> 00:08:53,179
is a hypothetical experiment in which we

211
00:08:51,230 --> 00:08:55,970
put a cat inside a box with some

212
00:08:53,179 --> 00:08:58,819
equipment which releases poisonous gas

213
00:08:55,970 --> 00:09:02,180
after say an hour you wouldn't know

214
00:08:58,820 --> 00:09:04,610

whether the cat is dead or alive as this

215

00:09:02,179 --> 00:09:07,579

can be known only by looking inside the

216

00:09:04,610 --> 00:09:10,700

box this is based on the assumption of

217

00:09:07,580 --> 00:09:13,820

probability and not the fact fact comes

218

00:09:10,700 --> 00:09:17,300

when we actually see inside the box till

219

00:09:13,820 --> 00:09:21,950

then it's all a guess confused so was

220

00:09:17,299 --> 00:09:24,379

the cat we got it wrong what do we get

221

00:09:21,950 --> 00:09:27,650

wrong well he was referred to as being

222

00:09:24,379 --> 00:09:29,899

not knowing until we observe kind of

223

00:09:27,649 --> 00:09:31,759

experiment then of course not knowing

224

00:09:29,899 --> 00:09:34,039

not knowing what the truth is until you

225

00:09:31,759 --> 00:09:35,929

actually observe it is sort of a truism

226

00:09:34,039 --> 00:09:37,789

you know it's yeah it's true but it's

227

00:09:35,929 --> 00:09:39,769

not it's not such a revelation and it's

228

00:09:37,789 --> 00:09:42,620

definitely not what Schrodinger's cats

229

00:09:39,769 --> 00:09:46,069

thought experiment was meant to show so

230

00:09:42,620 --> 00:09:48,740

because the quantum state of the item is

231

00:09:46,070 --> 00:09:50,570

not known we don't know whether cat is

232

00:09:48,740 --> 00:09:52,310

dead / dead or alive so that that's

233

00:09:50,570 --> 00:09:53,900

basically the the essence of

234

00:09:52,309 --> 00:09:56,599

Schrodinger's cat expert thought

235

00:09:53,899 --> 00:09:59,480

experiment but I would maybe like to say

236

00:09:56,600 --> 00:10:01,460

a few words about the whole idea of what

237

00:09:59,480 --> 00:10:03,649

he means when we don't know about this

238

00:10:01,460 --> 00:10:04,820

the quantum state of the atom you think

239

00:10:03,649 --> 00:10:06,889

that New Age people sometime

240

00:10:04,820 --> 00:10:09,140

misinterpret the whole state of quantum

241

00:10:06,889 --> 00:10:10,370

knowing and not knowing absolutely and

242

00:10:09,139 --> 00:10:12,080

maybe I could say a few words about

243
00:10:10,370 --> 00:10:15,139
first of all quantum mechanics is very

244
00:10:12,080 --> 00:10:16,550
complex Richard Feynman Nobel laureate

245
00:10:15,139 --> 00:10:18,649
for his contributions to quantum

246
00:10:16,549 --> 00:10:20,990
mechanics once said I think I can safely

247
00:10:18,649 --> 00:10:22,269
say that nobody understands quantum

248
00:10:20,990 --> 00:10:24,220
mechanics each

249
00:10:22,269 --> 00:10:25,929
mean that we don't know how it works or

250
00:10:24,220 --> 00:10:28,120
that we don't know that it works because

251
00:10:25,929 --> 00:10:30,459
we definitely do it just remained it

252
00:10:28,120 --> 00:10:33,009
understand in the everyday sense of

253
00:10:30,460 --> 00:10:34,780
understanding as in feeling that we know

254
00:10:33,009 --> 00:10:36,879
what's happening in a sense a bit like

255
00:10:34,779 --> 00:10:39,459
knowing what we do understand why an

256
00:10:36,879 --> 00:10:41,830
Apple falls down from a tree and doesn't

257

00:10:39,460 --> 00:10:44,230
fall away at an angle so what he was

258
00:10:41,830 --> 00:10:45,940
saying is it's not intuitive basically

259
00:10:44,230 --> 00:10:47,980
what he was saying was basing intuition

260
00:10:45,940 --> 00:10:50,200
was not designed to take care of these

261
00:10:47,980 --> 00:10:53,110
things so you see the thing is we

262
00:10:50,200 --> 00:10:55,360
evolved to deal with the scales at our

263
00:10:53,110 --> 00:10:56,830
middle world you know middle size you

264
00:10:55,360 --> 00:10:59,019
know we're not too small not too large

265
00:10:56,830 --> 00:11:01,629
not too slow not too fast but we're not

266
00:10:59,019 --> 00:11:03,159
equipped to deal with those situations

267
00:11:01,629 --> 00:11:04,809
where things are very different it's not

268
00:11:03,159 --> 00:11:08,049
just about quantum mechanics for example

269
00:11:04,809 --> 00:11:10,299
in relativity when it deals with

270
00:11:08,049 --> 00:11:12,789
situations where things travel very very

271
00:11:10,299 --> 00:11:14,949

fast very close to the speed of light in

272

00:11:12,789 --> 00:11:17,319

really weird things happen then you know

273

00:11:14,950 --> 00:11:18,490

things grow larger and they grow heavier

274

00:11:17,320 --> 00:11:21,160

and there's all kinds of things that

275

00:11:18,490 --> 00:11:22,779

happen we and we don't understand it it

276

00:11:21,159 --> 00:11:24,459

seems counterintuitive because we do not

277

00:11:22,779 --> 00:11:26,230

travel at close to the speed of light

278

00:11:24,460 --> 00:11:28,180

and it's the same thing with quantum

279

00:11:26,230 --> 00:11:29,860

quantum mechanics it quantum mechanics

280

00:11:28,179 --> 00:11:31,719

deals with scales of up to a few atoms

281

00:11:29,860 --> 00:11:34,029

and all the way down to subatomic

282

00:11:31,720 --> 00:11:35,500

particles while classical mechanics

283

00:11:34,029 --> 00:11:37,839

deals with objects that are much larger

284

00:11:35,500 --> 00:11:40,450

you know humans and planets and all of

285

00:11:37,840 --> 00:11:42,910

those things how does us knowing or not

286
00:11:40,450 --> 00:11:45,400
knowing is that different from opening

287
00:11:42,909 --> 00:11:46,959
the box and looking I want to explain

288
00:11:45,399 --> 00:11:48,459
what's weird about quantum mechanics

289
00:11:46,960 --> 00:11:50,560
quantum mechanics is a probabilistic

290
00:11:48,460 --> 00:11:52,180
world I'll give you an analogy let's say

291
00:11:50,559 --> 00:11:55,119
that your car has a certain probability

292
00:11:52,179 --> 00:11:58,000
of being blue and another probability of

293
00:11:55,120 --> 00:11:59,710
being read we can't be sure until we

294
00:11:58,000 --> 00:12:01,480
measure the color of your car and

295
00:11:59,710 --> 00:12:05,710
measure is the word that scientists use

296
00:12:01,480 --> 00:12:07,720
to indicate a careful observation so we

297
00:12:05,710 --> 00:12:09,280
can't know that doesn't sound so weird

298
00:12:07,720 --> 00:12:11,649
the thing that's weird about quantum

299
00:12:09,279 --> 00:12:14,649
mechanics is that not only can we not be

300
00:12:11,649 --> 00:12:17,980
sure until we observe there is actually

301
00:12:14,649 --> 00:12:20,439
not a specific color until we observe in

302
00:12:17,980 --> 00:12:24,700
a sense you could say that the car is

303
00:12:20,440 --> 00:12:26,910
both blue and red until we observe so

304
00:12:24,700 --> 00:12:29,590
until we observe there is only a

305
00:12:26,909 --> 00:12:31,240
probability of the car being red and a

306
00:12:29,590 --> 00:12:33,700
probability of the car being blue but

307
00:12:31,240 --> 00:12:36,279
there isn't actually a specific color I

308
00:12:33,700 --> 00:12:36,670
ran this would then directly almost play

309
00:12:36,279 --> 00:12:39,100
in

310
00:12:36,669 --> 00:12:41,439
too much new age theory that the future

311
00:12:39,100 --> 00:12:43,750
can be predicted and there is it said

312
00:12:41,440 --> 00:12:45,610
this is so this sounds exactly like this

313
00:12:43,750 --> 00:12:47,710
makes a lot of things possible in the

314

00:12:45,610 --> 00:12:49,840
New Age world that's actually what

315
00:12:47,710 --> 00:12:52,300
shouting I was trying to show because

316
00:12:49,840 --> 00:12:53,560
the problem is with the concept of

317
00:12:52,299 --> 00:12:56,469
observation what does observation

318
00:12:53,559 --> 00:12:58,389
actually mean does the observer need to

319
00:12:56,470 --> 00:13:00,580
be The Observer need to be conscious for

320
00:12:58,389 --> 00:13:02,740
example does it need to be a human that

321
00:13:00,580 --> 00:13:05,800
understand what's going on or can it be

322
00:13:02,740 --> 00:13:07,659
a cat or can it be a rock New Age people

323
00:13:05,799 --> 00:13:09,399
for example very often refer to quantum

324
00:13:07,659 --> 00:13:11,889
mechanics in and they argue that we

325
00:13:09,399 --> 00:13:13,449
create our own reality but the problem

326
00:13:11,889 --> 00:13:16,149
with that is that it implies some

327
00:13:13,450 --> 00:13:17,620
ability to control the outcome or some

328
00:13:16,149 --> 00:13:19,600

conscious awareness of the subatomic

329

00:13:17,620 --> 00:13:21,250

level but that's nonsense that that's

330

00:13:19,600 --> 00:13:23,019

completely wrong that would be one of

331

00:13:21,250 --> 00:13:25,269

the theories exposed in what the bleep

332

00:13:23,019 --> 00:13:26,889

do we know and I think drew I think drew

333

00:13:25,269 --> 00:13:28,779

barrymore spends a lot of time every

334

00:13:26,889 --> 00:13:30,519

morning imagining what her day is going

335

00:13:28,779 --> 00:13:31,929

to be like I think her futures actually

336

00:13:30,519 --> 00:13:34,299

probably more influenced by the fact

337

00:13:31,929 --> 00:13:36,639

that she's the god daughter of Steven

338

00:13:34,299 --> 00:13:38,079

Spielberg that would have a greater

339

00:13:36,639 --> 00:13:40,029

effect on her future than watching

340

00:13:38,080 --> 00:13:41,650

thinks in the morning absolutely but you

341

00:13:40,029 --> 00:13:44,079

see what shredding go was trying to show

342

00:13:41,649 --> 00:13:45,639

was basically that we know that the cat

343
00:13:44,080 --> 00:13:47,800
is either really either dead or alive

344
00:13:45,639 --> 00:13:49,330
and not in some in-between State he

345
00:13:47,799 --> 00:13:52,059
actually says it in the paper where he

346
00:13:49,330 --> 00:13:54,280
wrote it actually says the cat isn't in

347
00:13:52,059 --> 00:13:56,649
an in-between State but if we take

348
00:13:54,279 --> 00:13:58,120
quantum mechanics to the extreme then we

349
00:13:56,649 --> 00:14:00,069
could say that it is what he was

350
00:13:58,120 --> 00:14:02,230
basically trying to show is that there

351
00:14:00,070 --> 00:14:04,510
is a problem about where does the

352
00:14:02,230 --> 00:14:07,539
microscale the small-scale that which

353
00:14:04,509 --> 00:14:09,580
quantum mechanics applies end and the

354
00:14:07,539 --> 00:14:11,769
macro scale at which we can which we can

355
00:14:09,580 --> 00:14:14,620
call an observer end and therefore when

356
00:14:11,769 --> 00:14:16,629
if the cat interacts with the quantum

357
00:14:14,620 --> 00:14:18,700
level then the head will actually be

358
00:14:16,629 --> 00:14:21,039
dead or alive the cat will be the

359
00:14:18,700 --> 00:14:23,710
observer the cat will be that observers

360
00:14:21,039 --> 00:14:26,019
that actually changes the atom from

361
00:14:23,710 --> 00:14:27,400
being in both state at the same time by

362
00:14:26,019 --> 00:14:29,980
the way that the word for that is super

363
00:14:27,399 --> 00:14:32,169
position it will change it from being in

364
00:14:29,980 --> 00:14:35,379
a superposition of two different states

365
00:14:32,169 --> 00:14:37,149
to the one state basically what we what

366
00:14:35,379 --> 00:14:39,879
we were saying that was incorrect was

367
00:14:37,149 --> 00:14:42,759
what we were probably miss representing

368
00:14:39,879 --> 00:14:44,769
or misunderstanding the essence of the

369
00:14:42,759 --> 00:14:46,569
experiment it was not to show that we

370
00:14:44,769 --> 00:14:49,809
can't know until we tell he was all

371

00:14:46,570 --> 00:14:50,528
about the difference between the state

372
00:14:49,809 --> 00:14:52,479
of super

373
00:14:50,528 --> 00:14:55,838
position that exists at the quantum

374
00:14:52,480 --> 00:14:58,720
level and the state of of specific

375
00:14:55,839 --> 00:15:00,610
situations specific knowing that exists

376
00:14:58,720 --> 00:15:02,499
at the macro level so where is a good

377
00:15:00,610 --> 00:15:04,568
place to go and read up on this now I

378
00:15:02,499 --> 00:15:06,278
would suggest that Wikipedia would not

379
00:15:04,568 --> 00:15:08,528
be the place to go because it's far too

380
00:15:06,278 --> 00:15:10,240
condensed and a little bit confusing

381
00:15:08,528 --> 00:15:12,068
because of it being condensed where is a

382
00:15:10,240 --> 00:15:13,839
good place to go to learn more about

383
00:15:12,068 --> 00:15:16,509
this superposition and things like that

384
00:15:13,839 --> 00:15:18,730
give you a website where I found

385
00:15:16,509 --> 00:15:21,490

information that I thought was very

386

00:15:18,730 --> 00:15:27,938

useful it was easy to read and the

387

00:15:21,490 --> 00:15:33,039

website is WWMT en masse without the

388

00:15:27,938 --> 00:15:34,719

nest at the end com / cat dot HTML up we

389

00:15:33,039 --> 00:15:36,879

won't even get started on string theory

390

00:15:34,720 --> 00:15:39,699

will we know I don't think we should

391

00:15:36,879 --> 00:15:41,409

president of the Australian skeptics and

392

00:15:39,698 --> 00:15:42,639

and a guy who knows what he's talking

393

00:15:41,409 --> 00:15:45,448

about and isn't scared to let you know

394

00:15:42,639 --> 00:15:45,448

Thank You Man

395

00:15:59,029 --> 00:16:03,110

I'm Eugenie Scott executive director of

396

00:16:01,730 --> 00:16:06,110

the National Center for Science

397

00:16:03,110 --> 00:16:07,909

Education in Oakland California we

398

00:16:06,110 --> 00:16:09,710

defend and support the teaching of

399

00:16:07,909 --> 00:16:11,600

evolution and climate change when it

400
00:16:09,710 --> 00:16:13,730
comes under attack for religious and

401
00:16:11,600 --> 00:16:16,159
political reasons we help teachers

402
00:16:13,730 --> 00:16:18,800
parents school boards and other citizens

403
00:16:16,159 --> 00:16:22,370
defend good science in the schools come

404
00:16:18,799 --> 00:16:24,919
visit us at NCSE calm and on youtube and

405
00:16:22,370 --> 00:16:27,500
facebook and let us know if science

406
00:16:24,919 --> 00:16:30,039
comes under attack in your community we

407
00:16:27,500 --> 00:16:30,039
are here to help

408
00:16:34,730 --> 00:16:46,470
join us now for drinking skeptically in

409
00:16:38,100 --> 00:16:48,840
the think tank I think one of the things

410
00:16:46,470 --> 00:16:51,840
that has taken my attention today folks

411
00:16:48,840 --> 00:16:54,509
as we start this think tank is there is

412
00:16:51,840 --> 00:16:56,960
another tank in this very room if we

413
00:16:54,509 --> 00:17:02,370
look over there and it's a tank full of

414
00:16:56,960 --> 00:17:04,079
noms lobsters folks yes in our think

415
00:17:02,370 --> 00:17:05,279
tank here at our favorite club down the

416
00:17:04,079 --> 00:17:07,409
end of the street and the Chinese

417
00:17:05,279 --> 00:17:10,559
restaurant there is now a giant tank

418
00:17:07,410 --> 00:17:12,000
full of giant lobsters ready to go I

419
00:17:10,559 --> 00:17:14,099
think next time we'll have to order some

420
00:17:12,000 --> 00:17:16,079
dr. ray Jean I know I don't they look um

421
00:17:14,099 --> 00:17:17,609
well I should I feel a bit sorry for

422
00:17:16,079 --> 00:17:20,609
them maybe we should just non them but

423
00:17:17,609 --> 00:17:21,839
now their misery conversation with them

424
00:17:20,609 --> 00:17:23,369
so don't know that you'd really want to

425
00:17:21,839 --> 00:17:26,549
nom them what do you mean have a

426
00:17:23,369 --> 00:17:28,459
conversation with him it's like in The

427
00:17:26,549 --> 00:17:31,529
Hitchhiker's Guide let's meet the meet

428

00:17:28,460 --> 00:17:36,539
and it's good to see you meeting us here

429
00:17:31,529 --> 00:17:40,980
Joe Benna me I return nice to be back

430
00:17:36,539 --> 00:17:44,369
thank you and a welcome sight indeed

431
00:17:40,980 --> 00:17:47,160
tonight is the happy smiling face of yes

432
00:17:44,369 --> 00:17:49,199
may not hello everybody and I want to

433
00:17:47,160 --> 00:17:52,500
thank on behalf of myself and you and

434
00:17:49,200 --> 00:17:54,360
dr. H E and Jay cats everyone who tuned

435
00:17:52,500 --> 00:17:57,269
in to the do disbelievers downloaded it

436
00:17:54,359 --> 00:18:01,259
and gave us support to the ABC it's got

437
00:17:57,269 --> 00:18:03,900
us absolutely nowhere but the show

438
00:18:01,259 --> 00:18:05,759
hasn't been renewed or anything but you

439
00:18:03,900 --> 00:18:07,259
never know yeah it was great you look it

440
00:18:05,759 --> 00:18:09,089
was great fun and if anyone has any

441
00:18:07,259 --> 00:18:11,099
power with the ABC we'd love it would

442
00:18:09,089 --> 00:18:13,230

love to do that show all the time it was

443

00:18:11,099 --> 00:18:15,389

it was a real pleasure to go into the

444

00:18:13,230 --> 00:18:17,370

studios you know and two out of the

445

00:18:15,390 --> 00:18:18,370

three weeks we got studios to work in

446

00:18:17,369 --> 00:18:20,409

and everything

447

00:18:18,369 --> 00:18:22,089

and we only got kicked out the once and

448

00:18:20,410 --> 00:18:23,890

it just it just goes to show what you

449

00:18:22,089 --> 00:18:26,349

can do when when someone accidentally

450

00:18:23,890 --> 00:18:28,690

puts a tick next to your name I quite

451

00:18:26,349 --> 00:18:32,049

like that lat last studio we ended up in

452

00:18:28,690 --> 00:18:33,519

was very cozy it was a sports to do but

453

00:18:32,049 --> 00:18:35,049

i must thinking about of the ABC and

454

00:18:33,519 --> 00:18:36,819

helping us out with that and an hour

455

00:18:35,049 --> 00:18:38,619

inside man who was great for the whole

456

00:18:36,819 --> 00:18:40,329

thing it really wears you everyone for

457
00:18:38,619 --> 00:18:42,939
listening and shooting it's always good

458
00:18:40,329 --> 00:18:46,629
to have somebody on the inside what was

459
00:18:42,940 --> 00:18:48,730
that pretty yeah I'm the scottish guy

460
00:18:46,630 --> 00:18:50,200
yeah Thank You Scottish producer Thank

461
00:18:48,730 --> 00:18:52,779
You Scottish producer otherwise known as

462
00:18:50,200 --> 00:18:56,470
the man behind the curtain it was I did

463
00:18:52,779 --> 00:19:01,660
you do it it was it's not a bus

464
00:18:56,470 --> 00:19:03,789
announcement it's somebody who's won the

465
00:19:01,660 --> 00:19:06,610
chance to win some money they're having

466
00:19:03,789 --> 00:19:09,460
a raffle or southern here folks here on

467
00:19:06,609 --> 00:19:11,729
circuit hello hello Richard back again

468
00:19:09,460 --> 00:19:14,170
and it's not us who were winning the

469
00:19:11,730 --> 00:19:16,058
8888 dollars today was and we were

470
00:19:14,170 --> 00:19:19,300
losing roughly that amount I think we

471
00:19:16,058 --> 00:19:21,308
are and never a loser its Stefan Soyka

472
00:19:19,299 --> 00:19:24,308
Richard it's great to be here for a

473
00:19:21,308 --> 00:19:25,750
change in the think tank and I think

474
00:19:24,308 --> 00:19:27,549
it's forgive that other tank they I was

475
00:19:25,750 --> 00:19:29,679
actually wondering if those lobsters are

476
00:19:27,549 --> 00:19:32,289
intelligent enough to appreciate that

477
00:19:29,679 --> 00:19:34,300
even though their fate is sealed while

478
00:19:32,289 --> 00:19:37,029
they're waiting in that tank there there

479
00:19:34,299 --> 00:19:38,589
it's a lot of stress free life compared

480
00:19:37,029 --> 00:19:39,670
to life in the wild because when they're

481
00:19:38,589 --> 00:19:41,259
out in the wild there's lots of

482
00:19:39,670 --> 00:19:42,759
predators and stuff so that should

483
00:19:41,259 --> 00:19:45,429
actually be quite chilled and relaxed

484
00:19:42,759 --> 00:19:46,900
they're awaiting their fate because

485

00:19:45,429 --> 00:19:49,179
obviously when it comes it's all over

486
00:19:46,900 --> 00:19:51,429
for them but right now they should be

487
00:19:49,179 --> 00:19:55,090
very cool Stefan here they can see all

488
00:19:51,429 --> 00:19:57,309
their predators in the neck nature that

489
00:19:55,089 --> 00:19:59,409
you think is well like I very highly

490
00:19:57,308 --> 00:20:00,730
stressed they're looking happy enough to

491
00:19:59,410 --> 00:20:02,558
look into pockets there they are they're

492
00:20:00,730 --> 00:20:04,870
moving around now look they've heard us

493
00:20:02,558 --> 00:20:06,918
look at that city by our until I think

494
00:20:04,869 --> 00:20:09,618
they're trying to escape

495
00:20:06,919 --> 00:20:10,970
happy lobsters well we'll be happily

496
00:20:09,618 --> 00:20:12,888
eating those lobsters maybe in a couple

497
00:20:10,970 --> 00:20:16,339
of weeks I don't know a lot to get

498
00:20:12,888 --> 00:20:17,959
through on tonight's think tank now the

499
00:20:16,339 --> 00:20:20,329

strange thing is of course we are

500

00:20:17,960 --> 00:20:21,619

recording this on a Thursday evening not

501

00:20:20,329 --> 00:20:23,839

just any Thursday evening its

502

00:20:21,618 --> 00:20:26,058

international Howard Jones day it's his

503

00:20:23,839 --> 00:20:27,349

birthday today yes the man who recorded

504

00:20:26,058 --> 00:20:29,388

what is love things can only get better

505

00:20:27,349 --> 00:20:31,278

and like to get you know you will and is

506

00:20:29,388 --> 00:20:32,719

often confused with nik kershaw it's his

507

00:20:31,278 --> 00:20:33,829

birthday today that's probably last

508

00:20:32,720 --> 00:20:37,759

you'll hear from me the think tank

509

00:20:33,829 --> 00:20:40,999

tonight an interesting fact about that

510

00:20:37,759 --> 00:20:43,038

man and he's played here I've seen him

511

00:20:40,999 --> 00:20:45,079

play here at this video at this venue

512

00:20:43,038 --> 00:20:48,259

yeah this menu I came and saw him here

513

00:20:45,079 --> 00:20:49,939

about two years ago it's what and

514
00:20:48,259 --> 00:20:51,528
bringing up the subject of thursday is

515
00:20:49,940 --> 00:20:53,119
that we're recording this on a thursday

516
00:20:51,528 --> 00:20:57,409
night and tomorrow morning friday

517
00:20:53,118 --> 00:20:59,749
morning the decision gets handed down in

518
00:20:57,409 --> 00:21:02,809
the court case the australian

519
00:20:59,749 --> 00:21:05,659
vaccination network vs the H Triple C

520
00:21:02,808 --> 00:21:08,960
dr. H E yeah this has been going on for

521
00:21:05,659 --> 00:21:12,019
a while this resulted because the H

522
00:21:08,960 --> 00:21:14,419
Triple C in July 2010 issued a public

523
00:21:12,019 --> 00:21:17,298
warning a public health warning about

524
00:21:14,419 --> 00:21:18,950
the avian because they investigated

525
00:21:17,298 --> 00:21:20,749
their website for over 12 months and

526
00:21:18,950 --> 00:21:22,940
determined that their information was

527
00:21:20,749 --> 00:21:25,519
misleading they cherry-picked research

528
00:21:22,940 --> 00:21:26,960
to make vaccines look bad and they were

529
00:21:25,519 --> 00:21:31,399
purely providing anti-vaccination

530
00:21:26,960 --> 00:21:33,679
information now the avian obviously

531
00:21:31,398 --> 00:21:35,178
weren't happy with this so they

532
00:21:33,679 --> 00:21:37,580
challenged this decision in the Supreme

533
00:21:35,179 --> 00:21:40,700
Court and the case has been going on now

534
00:21:37,579 --> 00:21:44,868
for over six months yeah maybe eight

535
00:21:40,700 --> 00:21:48,798
months a long time the final hearing was

536
00:21:44,868 --> 00:21:51,618
on Wednesday yesterday where it's now

537
00:21:48,798 --> 00:21:53,450
come down to semantics it was the

538
00:21:51,618 --> 00:21:55,970
barristers arguing for three and a half

539
00:21:53,450 --> 00:21:59,629
to four hours about the definition of

540
00:21:55,970 --> 00:22:02,839
the term each in section 7 B of the

541
00:21:59,628 --> 00:22:05,269
Public Health Act of 1993 where it

542

00:22:02,839 --> 00:22:07,579
states something along the lines of the

543
00:22:05,269 --> 00:22:10,940
clause is something about the

544
00:22:07,579 --> 00:22:13,579
information must demonstrate that it has

545
00:22:10,940 --> 00:22:16,759
harmed somebody or harmed caused harm to

546
00:22:13,579 --> 00:22:18,949
eat right so how do you interpret each

547
00:22:16,759 --> 00:22:20,240
is a person in particular like an

548
00:22:18,950 --> 00:22:23,330
individual person

549
00:22:20,240 --> 00:22:26,120
is it the public is it an organization

550
00:22:23,329 --> 00:22:28,609
so essentially the judge was saying to

551
00:22:26,119 --> 00:22:29,899
the barrister for the H Triple C you

552
00:22:28,609 --> 00:22:32,750
need to demonstrate that this

553
00:22:29,900 --> 00:22:34,850
information has influenced each whether

554
00:22:32,750 --> 00:22:37,369
that be one person's decision to not

555
00:22:34,849 --> 00:22:39,079
vaccinate or a bunch of people's

556
00:22:37,369 --> 00:22:40,789

decisions so it was three and a half

557

00:22:39,079 --> 00:22:43,579

hours of semantics about the meaning of

558

00:22:40,789 --> 00:22:46,399

the term each I guess it's like come was

559

00:22:43,579 --> 00:22:48,049

it Clinton messaging and in fact it was

560

00:22:46,400 --> 00:22:51,380

the same word they are good about there

561

00:22:48,049 --> 00:22:53,629

was the meaning of it was that yeah okay

562

00:22:51,380 --> 00:22:55,700

well that's what it was yesterday it or

563

00:22:53,630 --> 00:22:59,510

is it was 11 i think it was is with

564

00:22:55,700 --> 00:23:01,730

clinton so anyway the judge who was

565

00:22:59,509 --> 00:23:02,869

presiding yesterday is a new judge in

566

00:23:01,730 --> 00:23:06,349

the Supreme Court she's only just

567

00:23:02,869 --> 00:23:08,569

recently been appointed the judge you

568

00:23:06,349 --> 00:23:10,669

see they say she so that's not center

569

00:23:08,569 --> 00:23:12,889

that was there the first time judge this

570

00:23:10,670 --> 00:23:17,090

is a brand-new judge who only came in on

571
00:23:12,890 --> 00:23:19,910
Wednesday so the decision will be handed

572
00:23:17,089 --> 00:23:21,949
down tomorrow morning but I wasn't there

573
00:23:19,910 --> 00:23:23,870
but I have information from people who

574
00:23:21,950 --> 00:23:26,750
were one of the things that was

575
00:23:23,869 --> 00:23:30,769
interesting is that she picked up on the

576
00:23:26,750 --> 00:23:33,019
the whole idea that the avn perceiving

577
00:23:30,769 --> 00:23:34,700
the judge she been the judge that the

578
00:23:33,019 --> 00:23:37,490
ABN pushed that they're pro-choice not

579
00:23:34,700 --> 00:23:39,558
anti-vaccine and she mentioned three

580
00:23:37,490 --> 00:23:41,410
times that they sell a t-shirt called

581
00:23:39,558 --> 00:23:45,319
love them protect them never inject them

582
00:23:41,410 --> 00:23:48,920
and at one point she actually said in

583
00:23:45,319 --> 00:23:51,500
court the judge said why are you so coy

584
00:23:48,920 --> 00:23:53,779
or shy about being upfront about what

585
00:23:51,500 --> 00:23:54,980
you do basically saying how come you

586
00:23:53,779 --> 00:23:58,178
don't want to admit that you're

587
00:23:54,980 --> 00:24:00,650
anti-vaccine like what's wrong with that

588
00:23:58,179 --> 00:24:02,960
so she she picked up on that quite a few

589
00:24:00,650 --> 00:24:06,140
times one of the funniest things that

590
00:24:02,960 --> 00:24:08,690
happened was that during closing the

591
00:24:06,140 --> 00:24:10,250
barrister for the avn asked if meryl's

592
00:24:08,690 --> 00:24:15,019
testimony could be struck from the

593
00:24:10,250 --> 00:24:17,660
record if it could be determined to be

594
00:24:15,019 --> 00:24:21,259
inadmissible and the judge just laughed

595
00:24:17,660 --> 00:24:22,580
and said no because one of the things

596
00:24:21,259 --> 00:24:23,920
that's happened throughout the course of

597
00:24:22,579 --> 00:24:26,449
these hearings is that Merrill

598
00:24:23,920 --> 00:24:28,160
originally the reason that they

599

00:24:26,450 --> 00:24:30,890
originally went into this case was

600
00:24:28,160 --> 00:24:32,880
because Merrill deems that they were not

601
00:24:30,890 --> 00:24:35,040
a health care provider

602
00:24:32,880 --> 00:24:36,870
she said therefore the H Triple C does

603
00:24:35,039 --> 00:24:40,049
not have jurisdiction over us they can't

604
00:24:36,869 --> 00:24:42,089
make any laws about us right when she

605
00:24:40,049 --> 00:24:45,450
was in court under oath she admitted she

606
00:24:42,089 --> 00:24:47,039
was a health care provider so the first

607
00:24:45,450 --> 00:24:50,250
one that's the one that I attended she

608
00:24:47,039 --> 00:24:53,039
admitted that it very quickly the first

609
00:24:50,250 --> 00:24:56,759
time around was it now on close to six

610
00:24:53,039 --> 00:24:59,369
months ago they started talking about

611
00:24:56,759 --> 00:25:01,829
some technicalities like this section 7

612
00:24:59,369 --> 00:25:04,739
B or whatever under whether the content

613
00:25:01,829 --> 00:25:06,329

the way the complaint was dealt with was

614

00:25:04,740 --> 00:25:07,740

appropriate it was nothing to do with

615

00:25:06,329 --> 00:25:10,799

being a health care provider or will

616

00:25:07,740 --> 00:25:12,420

being pro-choice or auntie vax was

617

00:25:10,799 --> 00:25:16,169

always right from the beginning about

618

00:25:12,420 --> 00:25:18,240

technical legal technicalities I think

619

00:25:16,170 --> 00:25:19,920

that maybe is why her barrister ask her

620

00:25:18,240 --> 00:25:23,250

evidence to be struck from the record

621

00:25:19,920 --> 00:25:24,870

because she has said some stuff that has

622

00:25:23,250 --> 00:25:28,470

really put herself in the as you

623

00:25:24,869 --> 00:25:30,929

like to say in Australia but the judge

624

00:25:28,470 --> 00:25:33,690

didn't allow that the judge said no that

625

00:25:30,930 --> 00:25:35,100

will not happen so yeah ten o'clock

626

00:25:33,690 --> 00:25:38,220

tomorrow morning is when the decision

627

00:25:35,099 --> 00:25:40,230

will be passed down it's very difficult

628
00:25:38,220 --> 00:25:42,600
to know at this point which way it could

629
00:25:40,230 --> 00:25:44,250
go I guess by the time this podcast goes

630
00:25:42,599 --> 00:25:47,129
out everyone will know the strange thing

631
00:25:44,250 --> 00:25:49,619
is of course at the top of the show near

632
00:25:47,130 --> 00:25:51,840
the beginning of that today's show we

633
00:25:49,619 --> 00:25:54,629
know we know yeah we all know unlike all

634
00:25:51,839 --> 00:25:56,579
the others so but as recording we don't

635
00:25:54,630 --> 00:25:58,620
however it is scheduled for tomorrow

636
00:25:56,579 --> 00:26:00,869
morning but also things do get bumped

637
00:25:58,619 --> 00:26:05,819
from the Supreme Court so at this stage

638
00:26:00,869 --> 00:26:08,259
is going ahead but it depends yeah yeah

639
00:26:05,819 --> 00:26:10,899
what was that that was the lobsters

640
00:26:08,259 --> 00:26:13,390
trying to escape I think so enjoyed

641
00:26:10,900 --> 00:26:14,950
mission as a as a thing will will just

642
00:26:13,390 --> 00:26:20,170
disappear off the planet no no one will

643
00:26:14,950 --> 00:26:21,940
ever have to be vaccine never again the

644
00:26:20,170 --> 00:26:24,670
next next step is fluoride in the water

645
00:26:21,940 --> 00:26:26,380
and then and then sunblock you know

646
00:26:24,670 --> 00:26:28,509
these people are also get rid of the

647
00:26:26,380 --> 00:26:29,800
people who rail against sunblock say

648
00:26:28,509 --> 00:26:31,210
it's poison that we're putting on our

649
00:26:29,799 --> 00:26:32,980
skin and everything we got him we got to

650
00:26:31,210 --> 00:26:36,100
put our turn our water pipes back in the

651
00:26:32,980 --> 00:26:37,900
lid I think that was something put out

652
00:26:36,099 --> 00:26:40,329
by the Cancer Council recently we said

653
00:26:37,900 --> 00:26:42,160
that they would concern that it was to

654
00:26:40,329 --> 00:26:44,289
do with people's fear of nanoparticles

655
00:26:42,160 --> 00:26:47,220
in sunscreen the council council are

656

00:26:44,289 --> 00:26:50,309
genuinely concerned that some of those

657
00:26:47,220 --> 00:26:53,110
scare mongering is actually gaining

658
00:26:50,309 --> 00:26:55,299
traction that there are more and more

659
00:26:53,109 --> 00:26:56,919
people who are concerned about the

660
00:26:55,299 --> 00:26:59,829
health effects of nanoparticles in

661
00:26:56,920 --> 00:27:02,140
sunscreen and are not using sunscreen as

662
00:26:59,829 --> 00:27:03,789
a result or or trying other things and

663
00:27:02,140 --> 00:27:05,680
the cancer council actually you know

664
00:27:03,789 --> 00:27:08,170
felt that it was something that was

665
00:27:05,680 --> 00:27:09,670
actually worth looking into an actual

666
00:27:08,170 --> 00:27:13,630
and putting the message out there that

667
00:27:09,670 --> 00:27:15,340
there you know the risks the small risks

668
00:27:13,630 --> 00:27:17,920
which at this point they don't even know

669
00:27:15,339 --> 00:27:19,720
where there are outweighed by the

670
00:27:17,920 --> 00:27:21,370

benefits of wearing sunscreen it's a

671

00:27:19,720 --> 00:27:23,829

pretty big no-brainer isn't it

672

00:27:21,369 --> 00:27:25,839

no-brainer not exactly like nanobots

673

00:27:23,829 --> 00:27:28,779

that go tunneling tunneling through your

674

00:27:25,839 --> 00:27:31,059

flesh you know they give in to you in

675

00:27:28,779 --> 00:27:33,129

motor neurons and make you walk like a

676

00:27:31,059 --> 00:27:35,619

dig them with the little mini shovels

677

00:27:33,130 --> 00:27:37,420

bender and in futurama did you see the

678

00:27:35,619 --> 00:27:39,759

one way it makes little clones of

679

00:27:37,420 --> 00:27:42,100

himself right down to nectar microscopic

680

00:27:39,759 --> 00:27:45,629

cancer but you know who used as

681

00:27:42,099 --> 00:27:49,179

sunscreens Joan wait to hear this segue

682

00:27:45,630 --> 00:27:50,860

celebrities like using sunscreen and

683

00:27:49,180 --> 00:27:54,820

speaking of celebrity right hands and

684

00:27:50,859 --> 00:27:57,189

goodness knows what else um so I a lot

685
00:27:54,819 --> 00:28:02,589
of people who read respectful insolence

686
00:27:57,190 --> 00:28:04,240
the wonderful blog by Iraq might have

687
00:28:02,589 --> 00:28:07,449
seen the post over the last couple of

688
00:28:04,240 --> 00:28:10,660
days about my Envy Alec the actress who

689
00:28:07,450 --> 00:28:11,740
plays any Farrah Fowler on on Big Bang

690
00:28:10,660 --> 00:28:17,470
Theory

691
00:28:11,740 --> 00:28:21,490
and the actress mine bialik actually has

692
00:28:17,470 --> 00:28:23,259
a PhD in neuroscience and it turns out

693
00:28:21,490 --> 00:28:26,529
that despite this scientific background

694
00:28:23,259 --> 00:28:28,720
she is heavily heavily into alternative

695
00:28:26,529 --> 00:28:31,149
treatments and goodness knows what she

696
00:28:28,720 --> 00:28:33,839
is she's involved with an organization

697
00:28:31,150 --> 00:28:36,460
called the holistic moms network and

698
00:28:33,839 --> 00:28:38,199
some of the people who are on the board

699
00:28:36,460 --> 00:28:42,039
of this organization include barbara lee

700
00:28:38,200 --> 00:28:44,710
fisher and a lot of prominent names from

701
00:28:42,039 --> 00:28:47,349
you know auntie vax groups and all sorts

702
00:28:44,710 --> 00:28:49,210
of whoo um now aside from the fact that

703
00:28:47,349 --> 00:28:51,579
I was you know a little bit irked by

704
00:28:49,210 --> 00:28:54,370
this I i I'd really enjoy the show and I

705
00:28:51,579 --> 00:28:56,230
and you know I kind of knowing a bit

706
00:28:54,369 --> 00:28:57,909
about her background in science I

707
00:28:56,230 --> 00:29:00,730
thought it was quite inspiring that this

708
00:28:57,910 --> 00:29:02,320
actress who was in the show also had a

709
00:29:00,730 --> 00:29:04,470
science background and that was a great

710
00:29:02,319 --> 00:29:07,389
thing so to find out that in fact she is

711
00:29:04,470 --> 00:29:09,069
incredibly into all sorts of weird

712
00:29:07,390 --> 00:29:10,540
wonderful things she's actually I read

713

00:29:09,069 --> 00:29:12,009
an article where she was quoted as

714
00:29:10,539 --> 00:29:13,740
saying that they are a non vaccinating

715
00:29:12,009 --> 00:29:16,210
family I just got a number of children

716
00:29:13,740 --> 00:29:18,190
they've got me thinking not so much

717
00:29:16,210 --> 00:29:20,860
about her specifically but just

718
00:29:18,190 --> 00:29:24,009
generally about celebrities and their

719
00:29:20,859 --> 00:29:27,369
weird beliefs and at what point do we

720
00:29:24,009 --> 00:29:29,410
how do we respond to these things as you

721
00:29:27,369 --> 00:29:31,209
know people who enjoy movies and music

722
00:29:29,410 --> 00:29:33,250
and so on when when a celebrity who we

723
00:29:31,210 --> 00:29:36,100
admire in one way or another we find out

724
00:29:33,250 --> 00:29:38,140
that they have let us down in some way

725
00:29:36,099 --> 00:29:41,319
with their beliefs what do we do about

726
00:29:38,140 --> 00:29:44,860
that because you know Tom Cruise for

727
00:29:41,319 --> 00:29:46,839

example oh I can't I can't watch a movie

728

00:29:44,859 --> 00:29:49,779

that the man is in because he irks me so

729

00:29:46,839 --> 00:29:51,519

much but is it really worth the silent

730

00:29:49,779 --> 00:29:53,259

protest of not paying the money to see a

731

00:29:51,519 --> 00:29:56,429

Tom Cruise movie give myself the

732

00:29:53,259 --> 00:29:56,429

personal satisfaction of doing

733

00:29:57,119 --> 00:30:02,549

can I ride need to watch a movie with

734

00:29:59,400 --> 00:30:04,470

ginger ever my god I kind of a day to

735

00:30:02,549 --> 00:30:07,859

watch a porno with Jenny McCarthy again

736

00:30:04,470 --> 00:30:11,160

oh yeah shall we get the unofficial ones

737

00:30:07,859 --> 00:30:13,859

and they good beside what about the

738

00:30:11,160 --> 00:30:16,230

simpsons dishes i love the simpsons

739

00:30:13,859 --> 00:30:20,099

can't you go absolutely i know when i

740

00:30:16,230 --> 00:30:21,839

found that out again it irked me now it

741

00:30:20,099 --> 00:30:24,240

just I wonder what your thought about

742
00:30:21,839 --> 00:30:27,149
those sort of little protests are those

743
00:30:24,240 --> 00:30:28,970
little protests worthwhile does it those

744
00:30:27,150 --> 00:30:31,559
are is it really worth the effort to

745
00:30:28,970 --> 00:30:32,970
kind of make those silent protests or

746
00:30:31,558 --> 00:30:34,619
you know when it comes to something like

747
00:30:32,970 --> 00:30:35,819
Jenny McCarthy and the vaccination issue

748
00:30:34,619 --> 00:30:37,079
that's how that we can really get our

749
00:30:35,819 --> 00:30:38,700
teeth into because we're dealing with

750
00:30:37,079 --> 00:30:40,439
the bigger issue when you've got some

751
00:30:38,700 --> 00:30:42,929
celebrity who just happens to use a

752
00:30:40,440 --> 00:30:45,840
particular you know practices Kabbalah

753
00:30:42,929 --> 00:30:47,460
or something like that oh you know when

754
00:30:45,839 --> 00:30:49,619
do we make the protests where does it

755
00:30:47,460 --> 00:30:55,049
start engaging on your enjoyment as

756
00:30:49,619 --> 00:30:57,449
movie esters CDs esta then you know

757
00:30:55,049 --> 00:31:00,569
where stir is that's Madonna's Hebrew

758
00:30:57,450 --> 00:31:03,900
name are you telling us you bought them

759
00:31:00,569 --> 00:31:08,039
before yeah III thought it was like it's

760
00:31:03,900 --> 00:31:09,720
an ethyl like Ethel Merman know that

761
00:31:08,039 --> 00:31:11,909
disco album thurs I never bought another

762
00:31:09,720 --> 00:31:13,558
one Donna's laganas Hebrew name because

763
00:31:11,910 --> 00:31:16,200
she's a caballus Madonna's Hebrew name

764
00:31:13,558 --> 00:31:19,349
is Esther and not only actually speaking

765
00:31:16,200 --> 00:31:21,390
of Hebrew names Mine bialik mine is my

766
00:31:19,349 --> 00:31:23,279
be like as a Hebrew name and my means

767
00:31:21,390 --> 00:31:26,610
water but it's not a common name it's a

768
00:31:23,279 --> 00:31:30,779
little bit like a woman named storm so

769
00:31:26,609 --> 00:31:33,029
you know hey tell that there would be

770

00:31:30,779 --> 00:31:35,359
were there in a way they're kind of

771
00:31:33,029 --> 00:31:38,369
doing doing the world a service by

772
00:31:35,359 --> 00:31:39,899
demystifying celebrity by being so so

773
00:31:38,369 --> 00:31:42,239
silly in those sort of ways they're

774
00:31:39,900 --> 00:31:46,110
actually taking themselves down a few a

775
00:31:42,240 --> 00:31:47,640
few pegs because really big celebrities

776
00:31:46,109 --> 00:31:48,990
held up sites but all they are is

777
00:31:47,640 --> 00:31:52,920
they're just very good at memorizing

778
00:31:48,990 --> 00:31:55,109
lines and repeating them with some kind

779
00:31:52,920 --> 00:31:57,900
of expression and some kind of sound

780
00:31:55,109 --> 00:32:00,689
while the cameras running and you know

781
00:31:57,900 --> 00:32:02,370
just people who have jobs and those jobs

782
00:32:00,690 --> 00:32:04,380
happen to me memorizing

783
00:32:02,369 --> 00:32:06,000
and and making the famous right and and

784
00:32:04,380 --> 00:32:08,010

B but actually that's not that's not

785

00:32:06,000 --> 00:32:09,750

just the case because since about

786

00:32:08,009 --> 00:32:12,000

science which is the UK charity that

787

00:32:09,750 --> 00:32:15,329

most people have heard of every year

788

00:32:12,000 --> 00:32:16,890

they do a celebrity they do a survey of

789

00:32:15,329 --> 00:32:18,779

celebrities them said stupid stuff

790

00:32:16,890 --> 00:32:20,280

during the year and just this year

791

00:32:18,779 --> 00:32:23,430

they've introduced celebrities have done

792

00:32:20,279 --> 00:32:26,160

good stuff for science so last year they

793

00:32:23,430 --> 00:32:29,039

called out i'm julia sawalha who plays

794

00:32:26,160 --> 00:32:31,259

safi on absolutely fabulous because she

795

00:32:29,039 --> 00:32:35,579

only uses homeopathy when she goes to

796

00:32:31,259 --> 00:32:39,150

malaria epidemic countries android jelly

797

00:32:35,579 --> 00:32:42,509

and even joanna lumley who plays Patsy

798

00:32:39,150 --> 00:32:43,980

on a track she believes that cancer is

799
00:32:42,509 --> 00:32:47,609
caused by all the hormones and chemicals

800
00:32:43,980 --> 00:32:49,679
in food and that before we were putting

801
00:32:47,609 --> 00:32:51,509
antibiotics into cows and chickens we

802
00:32:49,679 --> 00:32:53,190
weren't getting cancer but in fact

803
00:32:51,509 --> 00:32:55,440
before we were doing that we were dying

804
00:32:53,190 --> 00:32:57,570
younger because medicine hadn't advanced

805
00:32:55,440 --> 00:32:59,220
so far no no the thing is before we were

806
00:32:57,569 --> 00:33:02,549
putting hormones in chickens and cows

807
00:32:59,220 --> 00:33:04,380
she wasn't getting cancer right well the

808
00:33:02,549 --> 00:33:05,789
point is though that I mean since about

809
00:33:04,380 --> 00:33:08,910
signs make this point that once a

810
00:33:05,789 --> 00:33:12,000
celebrity says something like with a

811
00:33:08,910 --> 00:33:14,130
felter who endorses detox immediately it

812
00:33:12,000 --> 00:33:16,319
spreads it onto the internet into the

813
00:33:14,130 --> 00:33:18,540
women's mags it's just viral you can

814
00:33:16,319 --> 00:33:19,859
never take it out of the people's minds

815
00:33:18,539 --> 00:33:22,470
it's at their forefront of their minds

816
00:33:19,859 --> 00:33:24,119
so to try and counteract that they've

817
00:33:22,470 --> 00:33:25,769
started doing a list of celebrities have

818
00:33:24,119 --> 00:33:27,599
done good things to promote science and

819
00:33:25,769 --> 00:33:29,460
this year actually it was really good

820
00:33:27,599 --> 00:33:31,799
because the top of the list was Amanda

821
00:33:29,460 --> 00:33:35,759
Peet no matter if it's not very well

822
00:33:31,799 --> 00:33:37,950
known to many people but she is very

823
00:33:35,759 --> 00:33:39,509
good for positive campaigning about

824
00:33:37,950 --> 00:33:42,929
vaccinations so she does try to

825
00:33:39,509 --> 00:33:46,890
counteract what Jenny McCarthy go fishin

826
00:33:42,929 --> 00:33:48,929
yes yes yeah but yeah it's a good point

827

00:33:46,890 --> 00:33:50,580
Joe you've raised a really interesting

828
00:33:48,929 --> 00:33:53,880
point I'm sure it's one our listeners

829
00:33:50,579 --> 00:33:57,359
can have a think about that what stage

830
00:33:53,880 --> 00:34:00,059
do you stop enjoying whatever because

831
00:33:57,359 --> 00:34:02,699
the celebrity pushes this or that cause

832
00:34:00,058 --> 00:34:05,788
I think it's also that they come your

833
00:34:02,700 --> 00:34:08,429
time as as a skeptic where you have to

834
00:34:05,788 --> 00:34:12,329
be somewhat selective about where you

835
00:34:08,429 --> 00:34:14,700
put your energies and sometimes walking

836
00:34:12,329 --> 00:34:18,119
down the street and stopping it every

837
00:34:14,699 --> 00:34:19,918
store which is promoting I mean you

838
00:34:18,119 --> 00:34:21,510
really yeah you get to the mall though

839
00:34:19,918 --> 00:34:23,219
exactly and you get to the point where

840
00:34:21,510 --> 00:34:25,619
you really have to filter it out I keep

841
00:34:23,219 --> 00:34:27,750

walking yeah but I think that issue you

842

00:34:25,619 --> 00:34:29,280

raised Rach about the way that the stuff

843

00:34:27,750 --> 00:34:31,980

does filter through into the women's

844

00:34:29,280 --> 00:34:35,309

mags it's absolutely pervasive and it's

845

00:34:31,980 --> 00:34:37,469

and it's sold to women as because these

846

00:34:35,309 --> 00:34:38,849

celebrities are using it there for you

847

00:34:37,469 --> 00:34:40,078

know it's the next thing that they

848

00:34:38,849 --> 00:34:41,669

should be looking at and you can do this

849

00:34:40,079 --> 00:34:44,940

too and how can you do it cheaper and

850

00:34:41,668 --> 00:34:47,539

better and you know and so on but I

851

00:34:44,940 --> 00:34:50,970

thought just particularly in terms of

852

00:34:47,539 --> 00:34:52,440

activism and protest and so on just

853

00:34:50,969 --> 00:34:55,199

thinking about where you invest your

854

00:34:52,440 --> 00:34:57,119

energies with those things it's a very

855

00:34:55,199 --> 00:34:59,068

good point and I know that main art has

856
00:34:57,119 --> 00:35:01,200
been now responsible for promoting many

857
00:34:59,068 --> 00:35:05,548
things over the years as a celebrity

858
00:35:01,199 --> 00:35:07,710
that's right um I'll see no karaoke VHS

859
00:35:05,548 --> 00:35:09,269
tapes um things like that nothing that

860
00:35:07,710 --> 00:35:11,760
will cause a lot of harm except you know

861
00:35:09,269 --> 00:35:14,699
if you're seeing you know and everything

862
00:35:11,760 --> 00:35:16,530
I think you like you like you can't stop

863
00:35:14,699 --> 00:35:17,969
at every store but if there is a person

864
00:35:16,530 --> 00:35:19,680
little protest you can do that makes you

865
00:35:17,969 --> 00:35:21,088
feel better that's good I mean like I

866
00:35:19,679 --> 00:35:22,980
haven't seen a Tom Cruise movie since

867
00:35:21,088 --> 00:35:25,308
Minority Report and I feel better for

868
00:35:22,980 --> 00:35:28,889
that my love it my life is enriched

869
00:35:25,309 --> 00:35:30,630
every time I think of going to see a Tom

870
00:35:28,889 --> 00:35:34,108
Cruise movie I remember far and away

871
00:35:30,630 --> 00:35:36,990
which is our own away one of the worst

872
00:35:34,108 --> 00:35:39,929
films ever made you know it's certainly

873
00:35:36,989 --> 00:35:41,368
no BMX bandits or starstruck it's

874
00:35:39,929 --> 00:35:42,899
certainly not on that leg or it's not

875
00:35:41,369 --> 00:35:46,670
even in the big bus by the way the big

876
00:35:42,900 --> 00:35:49,619
bus best movie ever made the big bus

877
00:35:46,670 --> 00:35:51,510
it's the big bus is there's almost a

878
00:35:49,619 --> 00:35:54,450
prerunner to a movie like flying high

879
00:35:51,510 --> 00:35:56,369
it's a lot slower and not not as punchy

880
00:35:54,449 --> 00:35:57,960
but you can see where you would have

881
00:35:56,369 --> 00:35:59,670
seen the big bus and go on are we should

882
00:35:57,960 --> 00:36:01,889
make flying high its bait that an

883
00:35:59,670 --> 00:36:05,280
atomic-powered bus that goes across

884

00:36:01,889 --> 00:36:06,868
America and it gets sabotaged the big

885
00:36:05,280 --> 00:36:08,250
doubt flying high by the way would be

886
00:36:06,869 --> 00:36:10,370
known to most of our listeners as

887
00:36:08,250 --> 00:36:12,590
airplane that's right does the mirror

888
00:36:10,369 --> 00:36:14,420
don't like provocative titles like in

889
00:36:12,590 --> 00:36:16,610
bed with Madonna in Australia was called

890
00:36:14,420 --> 00:36:18,619
something completely something really

891
00:36:16,610 --> 00:36:20,030
familiar in America in bed in bed with

892
00:36:18,619 --> 00:36:22,250
Madonna everywhere in the world except

893
00:36:20,030 --> 00:36:24,400
where Madonna lived and even the harry

894
00:36:22,250 --> 00:36:26,659
potter was there the first one is

895
00:36:24,400 --> 00:36:29,510
instead of philosophers stone he was

896
00:36:26,659 --> 00:36:30,619
changed to the sorceress day may not may

897
00:36:29,510 --> 00:36:32,240
not have got a bit of a bone to pick

898
00:36:30,619 --> 00:36:33,980

with you because I actually was a robber

899

00:36:32,239 --> 00:36:35,959

signal did he disbelievers and you

900

00:36:33,980 --> 00:36:38,630

mentioned a movie called phase four and

901

00:36:35,960 --> 00:36:40,220

that the note series I on a Facebook

902

00:36:38,630 --> 00:36:42,380

that's where the ants take over the

903

00:36:40,219 --> 00:36:45,379

world yeah and Saunders he didn't

904

00:36:42,380 --> 00:36:46,730

believe it he was doing it now while I

905

00:36:45,380 --> 00:36:49,150

was listening to the show I actually

906

00:36:46,730 --> 00:36:52,070

went on iTunes and bought it for that

907

00:36:49,150 --> 00:36:54,079

all right 30 bucks could I took your

908

00:36:52,070 --> 00:36:55,730

recommendation as you were hyping up so

909

00:36:54,079 --> 00:36:58,250

much I went bought the thing and I

910

00:36:55,730 --> 00:37:01,340

watched it that was always the worst

911

00:36:58,250 --> 00:37:02,960

movie I've ever seen ever look really do

912

00:37:01,340 --> 00:37:05,960

i recommend the piracy but in the case

913
00:37:02,960 --> 00:37:07,099
of that I would have down I'm in 30

914
00:37:05,960 --> 00:37:09,019
bucks to find out whether you like a

915
00:37:07,099 --> 00:37:11,150
movie about ants taking over the world

916
00:37:09,019 --> 00:37:13,070
and get this now I can't delete it

917
00:37:11,150 --> 00:37:16,160
because it's a bigger to purchase Apple

918
00:37:13,070 --> 00:37:19,250
wants me to have it forever I cannot

919
00:37:16,159 --> 00:37:21,139
delete good but come on there must have

920
00:37:19,250 --> 00:37:22,489
been some funny moments in it it was

921
00:37:21,139 --> 00:37:24,049
very very good at Yankee we're the ants

922
00:37:22,489 --> 00:37:25,219
get inside the brain and they talk to

923
00:37:24,050 --> 00:37:27,320
each other we are controlling this

924
00:37:25,219 --> 00:37:29,509
person's rain I gotta say I'm gonna

925
00:37:27,320 --> 00:37:34,700
cover and visit you gotta see come

926
00:37:29,510 --> 00:37:36,710
around to see it the next topic on my

927
00:37:34,699 --> 00:37:39,259
list in front of me now is to talk about

928
00:37:36,710 --> 00:37:43,490
the group here in Australia friends of

929
00:37:39,260 --> 00:37:45,290
science in medicine doctor aging oh yeah

930
00:37:43,489 --> 00:37:47,329
well friends of science and medicine

931
00:37:45,289 --> 00:37:49,940
otherwise known as fsm was set up in

932
00:37:47,329 --> 00:37:54,019
Australia only late last year actually

933
00:37:49,940 --> 00:37:56,570
I've ever made a huge impact it's it's

934
00:37:54,019 --> 00:38:00,380
been amazing basically the idea behind

935
00:37:56,570 --> 00:38:02,180
fsm was to gather together academics and

936
00:38:00,380 --> 00:38:03,980
also just concerned citizens who were

937
00:38:02,179 --> 00:38:06,559
concerned about the infiltration of

938
00:38:03,980 --> 00:38:08,570
pseudoscience into universities so in

939
00:38:06,559 --> 00:38:12,559
particular the teaching of credulous

940
00:38:08,570 --> 00:38:16,039
teaching of cans and the idea is to

941

00:38:12,559 --> 00:38:18,199
examine universities and look at their

942
00:38:16,039 --> 00:38:19,550
courses and find areas where perhaps

943
00:38:18,199 --> 00:38:20,619
they're teaching stuff that won't be

944
00:38:19,550 --> 00:38:23,470
considered

945
00:38:20,619 --> 00:38:25,480
you know sorcery I suppose or deep end

946
00:38:23,469 --> 00:38:27,339
stuff yeah like homeopathy or iridology

947
00:38:25,480 --> 00:38:31,000
or you know stuff for which we know

948
00:38:27,340 --> 00:38:32,980
there's no evidence for and really all

949
00:38:31,000 --> 00:38:34,599
that's happened is about 400 people have

950
00:38:32,980 --> 00:38:37,360
signed up to a list that's not even

951
00:38:34,599 --> 00:38:39,819
public not even published yet and the

952
00:38:37,360 --> 00:38:42,070
amount of publicity that we've been

953
00:38:39,820 --> 00:38:45,039
getting I'm on the list full full

954
00:38:42,070 --> 00:38:46,630
disclosure I'm on the list has it been

955
00:38:45,039 --> 00:38:49,090

absolutely massive even to the point of

956

00:38:46,630 --> 00:38:51,190

the New York Times for speeches stories

957

00:38:49,090 --> 00:38:53,170

on us there was a big article in the

958

00:38:51,190 --> 00:38:55,809

British Medical Journal just a couple of

959

00:38:53,170 --> 00:38:57,490

a week ago there's been numerous

960

00:38:55,809 --> 00:38:58,869

articles on the website called the

961

00:38:57,489 --> 00:39:02,949

conversation which is the academic

962

00:38:58,869 --> 00:39:05,469

website here in Australia lots and lots

963

00:39:02,949 --> 00:39:07,359

of articles in the press there was a big

964

00:39:05,469 --> 00:39:09,159

hoo-ha riesling because there was an

965

00:39:07,360 --> 00:39:13,780

article in fairfax which is our sort of

966

00:39:09,159 --> 00:39:16,839

it's not Murdoch is it it's the non

967

00:39:13,780 --> 00:39:19,930

Murdoch press and there was a poll

968

00:39:16,840 --> 00:39:21,610

published as part of this article and at

969

00:39:19,929 --> 00:39:22,779

first it was just people were voting it

970
00:39:21,610 --> 00:39:24,309
seemed to be quite normal and then all

971
00:39:22,780 --> 00:39:26,380
of a sudden it seemed to be heading

972
00:39:24,309 --> 00:39:29,139
towards the people voting much more

973
00:39:26,380 --> 00:39:30,340
towards the yes option it turned out a

974
00:39:29,139 --> 00:39:33,460
couple of days later there was another

975
00:39:30,340 --> 00:39:36,370
article published where the tech guys

976
00:39:33,460 --> 00:39:38,650
that Fairfax had noticed that all of a

977
00:39:36,369 --> 00:39:40,509
sudden this poll was getting slammed

978
00:39:38,650 --> 00:39:42,519
with votes and there were about eight

979
00:39:40,510 --> 00:39:44,950
times more votes on the pole than people

980
00:39:42,519 --> 00:39:47,559
had actually read the page so it became

981
00:39:44,949 --> 00:39:50,859
apparent that it was being it was he was

982
00:39:47,559 --> 00:39:53,219
being botted and then someone found an

983
00:39:50,860 --> 00:39:56,230
email from a guy who's the head of the

984
00:39:53,219 --> 00:39:57,699
complementary health care council who'd

985
00:39:56,230 --> 00:40:00,309
emailed a whole lot of people and said

986
00:39:57,699 --> 00:40:03,219
we want to engineer a gap on this poll

987
00:40:00,309 --> 00:40:05,860
so that we don't give any credibility to

988
00:40:03,219 --> 00:40:08,980
the fsm people because we can make it go

989
00:40:05,860 --> 00:40:10,750
in our favor that's better for us now

990
00:40:08,980 --> 00:40:13,059
this fell into the hands of the

991
00:40:10,750 --> 00:40:16,090
newspaper who then wrote an article

992
00:40:13,059 --> 00:40:19,509
saying this but this poll has been

993
00:40:16,090 --> 00:40:21,460
gained and hijacked by the olt meant

994
00:40:19,510 --> 00:40:23,350
people because they sent around the

995
00:40:21,460 --> 00:40:26,820
email saying everyone please go and like

996
00:40:23,349 --> 00:40:30,250
crushes poll so it ended up having over

997
00:40:26,820 --> 00:40:31,150
850,000 votes by the end of the voting

998

00:40:30,250 --> 00:40:33,550
period

999
00:40:31,150 --> 00:40:35,289
the most votes Fairfax have ever had on

1000
00:40:33,550 --> 00:40:36,820
a pole I tell you there's one final

1001
00:40:35,289 --> 00:40:38,500
thing about this that was so funny

1002
00:40:36,820 --> 00:40:40,600
because the second article where they

1003
00:40:38,500 --> 00:40:43,360
expose that have been bottled by the cam

1004
00:40:40,599 --> 00:40:45,190
people which was also bad polls yeah

1005
00:40:43,360 --> 00:40:47,260
which is I how bad like you can't

1006
00:40:45,190 --> 00:40:48,970
actually trust polls and it was a whole

1007
00:40:47,260 --> 00:40:50,530
sorry about well you know people trust

1008
00:40:48,969 --> 00:40:52,480
online polls but this brings it all into

1009
00:40:50,530 --> 00:40:54,460
question looks like he has if anyone had

1010
00:40:52,480 --> 00:40:58,240
any way and in that article they had a

1011
00:40:54,460 --> 00:41:00,849
poll we said do you think you can trust

1012
00:40:58,239 --> 00:41:04,389

online polls and guess what happened to

1013

00:41:00,849 --> 00:41:07,239

that pole that pole was meant to be open

1014

00:41:04,389 --> 00:41:10,359

for five days after one day it had eight

1015

00:41:07,239 --> 00:41:12,549

hundred ninety thousand votes in favor

1016

00:41:10,360 --> 00:41:15,760

of yes you should take online poll

1017

00:41:12,550 --> 00:41:18,820

seriously it was ninety-five percent 5%

1018

00:41:15,760 --> 00:41:20,860

they shut it down that is that is more

1019

00:41:18,820 --> 00:41:24,640

votes than than the poll should we ana

1020

00:41:20,860 --> 00:41:26,320

get back together with Chris Brown I'm

1021

00:41:24,639 --> 00:41:28,150

shocked to hear that all right you just

1022

00:41:26,320 --> 00:41:30,070

wanted to add something about the

1023

00:41:28,150 --> 00:41:32,650

origins of FSS I think it's important

1024

00:41:30,070 --> 00:41:34,630

yes so yeah I think it's important to

1025

00:41:32,650 --> 00:41:36,840

point out that obviously we share a lot

1026

00:41:34,630 --> 00:41:39,220

of the ideas and thoughts with the

1027
00:41:36,840 --> 00:41:42,850
Friends of science and medicine but they

1028
00:41:39,219 --> 00:41:45,879
also started because or very much based

1029
00:41:42,849 --> 00:41:48,339
on a couple of articles a series a

1030
00:41:45,880 --> 00:41:50,559
two-part series of articles written in

1031
00:41:48,340 --> 00:41:53,079
the skeptic magazine they were written

1032
00:41:50,559 --> 00:41:56,019
by Tim with a huge amount of assistance

1033
00:41:53,079 --> 00:41:59,440
from Joe and in these articles were

1034
00:41:56,019 --> 00:42:02,679
about the what quackery at universities

1035
00:41:59,440 --> 00:42:03,880
yeah and the guys from the Friends of

1036
00:42:02,679 --> 00:42:05,829
science and medicine I mean particularly

1037
00:42:03,880 --> 00:42:08,320
Loretta who is the CEO of the

1038
00:42:05,829 --> 00:42:10,090
organization they read this they got

1039
00:42:08,320 --> 00:42:12,070
really upset at the same time there was

1040
00:42:10,090 --> 00:42:14,260
the whole issue with chiropractic an

1041
00:42:12,070 --> 00:42:16,180
RMIT the guy from the guy who managed

1042
00:42:14,260 --> 00:42:17,890
chiropractic RMIT moved to the

1043
00:42:16,179 --> 00:42:19,449
university of central Central Queensland

1044
00:42:17,889 --> 00:42:22,690
there was all of that happening at the

1045
00:42:19,449 --> 00:42:25,389
same time and obviously they that

1046
00:42:22,690 --> 00:42:28,690
created the momentum and then Loretta

1047
00:42:25,389 --> 00:42:31,629
and five professors started the

1048
00:42:28,690 --> 00:42:33,789
organization many from our organization

1049
00:42:31,630 --> 00:42:37,300
world that some of the first to sign

1050
00:42:33,789 --> 00:42:38,559
sign up to become signatories to the

1051
00:42:37,300 --> 00:42:40,680
organization or members of the

1052
00:42:38,559 --> 00:42:40,679
organization

1053
00:42:40,760 --> 00:42:46,790
and yeah and your alien skeptics as an

1054
00:42:43,730 --> 00:42:49,449
organization is also a member so yeah of

1055

00:42:46,789 --> 00:42:52,130
course we have very close links to them

1056
00:42:49,449 --> 00:42:54,879
and we wish them every success and so

1057
00:42:52,130 --> 00:42:57,890
far they've been doing amazing work in

1058
00:42:54,880 --> 00:43:00,260
pressing the universities to stop this

1059
00:42:57,889 --> 00:43:02,059
nonsense and not teach things that are

1060
00:43:00,260 --> 00:43:03,320
doona that are not supported by evidence

1061
00:43:02,059 --> 00:43:05,059
there was actually something really

1062
00:43:03,320 --> 00:43:07,160
great the university I think it was

1063
00:43:05,059 --> 00:43:08,299
Charles was it Charles Sturt one of the

1064
00:43:07,159 --> 00:43:12,469
universities I don't remember which

1065
00:43:08,300 --> 00:43:14,660
university on their quackery page on the

1066
00:43:12,469 --> 00:43:17,509
uh no sir they only there was the page

1067
00:43:14,659 --> 00:43:20,949
where they were advertising or promoting

1068
00:43:17,510 --> 00:43:24,740
their complimentary complimentary

1069
00:43:20,949 --> 00:43:27,619

modalities courses they actually said

1070

00:43:24,739 --> 00:43:30,409

that this basically they they took it

1071

00:43:27,619 --> 00:43:32,569

they put a disclaimer that said this is

1072

00:43:30,409 --> 00:43:34,819

we do not actually teach those non

1073

00:43:32,570 --> 00:43:38,000

evidence-based modalities what this

1074

00:43:34,820 --> 00:43:39,380

course is is a course for people who

1075

00:43:38,000 --> 00:43:41,360

already practiced those modalities so

1076

00:43:39,380 --> 00:43:43,280

they learn about the science it's kind

1077

00:43:41,360 --> 00:43:45,559

of to enrich them about the science and

1078

00:43:43,280 --> 00:43:47,420

to understand how to how to better

1079

00:43:45,559 --> 00:43:49,159

investigate what evidence there is I

1080

00:43:47,420 --> 00:43:51,170

don't know whether it's true or not but

1081

00:43:49,159 --> 00:43:53,960

the fact that if University was felt

1082

00:43:51,170 --> 00:43:56,150

compelled to do that is a really gritty

1083

00:43:53,960 --> 00:43:57,740

good time and I hope that they continue

1084
00:43:56,150 --> 00:43:59,360
to do other certainly people feeling a

1085
00:43:57,739 --> 00:44:01,579
lot of pressure and a lot of people are

1086
00:43:59,360 --> 00:44:03,320
very threatened by this this group of

1087
00:44:01,579 --> 00:44:04,519
friends of science and medicine I've got

1088
00:44:03,320 --> 00:44:07,309
to say I've been involved in this

1089
00:44:04,519 --> 00:44:08,539
discussion for a long time and in fact

1090
00:44:07,309 --> 00:44:10,279
if anyone's interested go to the

1091
00:44:08,539 --> 00:44:13,489
conversation the conversation calm today

1092
00:44:10,280 --> 00:44:14,840
you and look for an article called what

1093
00:44:13,489 --> 00:44:17,000
cam courses should look like in

1094
00:44:14,840 --> 00:44:18,860
universities it's just been published so

1095
00:44:17,000 --> 00:44:20,690
it should be on the homepage it's a

1096
00:44:18,860 --> 00:44:22,070
really really good summary and overview

1097
00:44:20,690 --> 00:44:25,070
have really what we're about and what

1098
00:44:22,070 --> 00:44:26,930
we're trying to achieve and it's not as

1099
00:44:25,070 --> 00:44:28,789
some people are interpreting it apply a

1100
00:44:26,929 --> 00:44:32,059
flamethrower to Cameron you lose that's

1101
00:44:28,789 --> 00:44:35,420
exactly not what we're about we're about

1102
00:44:32,059 --> 00:44:38,570
looking at each modality at face value

1103
00:44:35,420 --> 00:44:41,240
and working out whether it's justified

1104
00:44:38,570 --> 00:44:45,180
to keep it in universities so that means

1105
00:44:41,239 --> 00:44:48,568
homeopathy gone supplementary like

1106
00:44:45,179 --> 00:44:50,969
yeah I'm afraid so supplements and like

1107
00:44:48,568 --> 00:44:54,989
herbal medicine no of course we got

1108
00:44:50,969 --> 00:44:56,489
flush though that what's really it's

1109
00:44:54,989 --> 00:44:59,568
sort of irritating me about it is that

1110
00:44:56,489 --> 00:45:04,588
they are it's almost a deliberate

1111
00:44:59,568 --> 00:45:06,300
changing of fsm argument or distortion

1112

00:45:04,588 --> 00:45:08,190
of it to make it look like what's being

1113
00:45:06,300 --> 00:45:09,660
said is get rid of it we don't want to

1114
00:45:08,190 --> 00:45:13,769
know we don't we don't even want to look

1115
00:45:09,659 --> 00:45:16,618
into it and it's really it's really sort

1116
00:45:13,769 --> 00:45:18,989
of misleading the public as to what the

1117
00:45:16,619 --> 00:45:20,579
aims of fsm oh I agree but I don't think

1118
00:45:18,989 --> 00:45:22,229
people are able to understand that joy

1119
00:45:20,579 --> 00:45:24,390
because the article that's on the

1120
00:45:22,230 --> 00:45:27,539
conversation now the one about what cam

1121
00:45:24,389 --> 00:45:29,670
courses should look like really clearly

1122
00:45:27,539 --> 00:45:31,440
explains that that it's not about

1123
00:45:29,670 --> 00:45:32,909
throwing out everything yet you read the

1124
00:45:31,440 --> 00:45:34,740
comments and there's still comments from

1125
00:45:32,909 --> 00:45:36,210
people going you want to throw out heads

1126
00:45:34,739 --> 00:45:38,308

but what about some john's wort and what

1127

00:45:36,210 --> 00:45:39,929

about aspirin it came from a tree and as

1128

00:45:38,309 --> 00:45:42,210

know if you read the article it's

1129

00:45:39,929 --> 00:45:43,739

absolutely not what he's saying so it

1130

00:45:42,210 --> 00:45:46,260

says cognitive dissonance i think that

1131

00:45:43,739 --> 00:45:48,088

people have it suits the other side to

1132

00:45:46,260 --> 00:45:49,200

pay just like that and also you must

1133

00:45:48,088 --> 00:45:52,108

remember that the people who are making

1134

00:45:49,199 --> 00:45:54,899

those comments they they're high on omni

1135

00:45:52,108 --> 00:45:56,460

APPA the-- anyway so you've got because

1136

00:45:54,900 --> 00:45:59,250

can i think is seen to them as an

1137

00:45:56,460 --> 00:46:03,240

umbrella thing whereas we are trying to

1138

00:45:59,250 --> 00:46:05,519

look at evidence and case by case on

1139

00:46:03,239 --> 00:46:06,899

face value yeah but they can't seem to

1140

00:46:05,519 --> 00:46:08,250

do that and someone made this

1141
00:46:06,900 --> 00:46:11,490
observation recently and i think it's

1142
00:46:08,250 --> 00:46:13,920
really true is that if that even if it's

1143
00:46:11,489 --> 00:46:15,179
if a modality i care modality is proven

1144
00:46:13,920 --> 00:46:18,088
not to work they cling to what even

1145
00:46:15,179 --> 00:46:20,460
tighter you know but they're unable to

1146
00:46:18,088 --> 00:46:23,219
dissociate from dogma it doesn't seem at

1147
00:46:20,460 --> 00:46:25,650
all so but it's a really interesting

1148
00:46:23,219 --> 00:46:27,000
argument absolutely theories come in you

1149
00:46:25,650 --> 00:46:28,829
know that yeah they're big pharma

1150
00:46:27,000 --> 00:46:31,409
shipment karma's shoes yeah you know and

1151
00:46:28,829 --> 00:46:33,599
the fact that obviously big supplement

1152
00:46:31,409 --> 00:46:36,558
makes no money do they big homeopathy

1153
00:46:33,599 --> 00:46:39,420
also you know the thing is ken harvey

1154
00:46:36,559 --> 00:46:42,269
complains about pharmaceutical big

1155
00:46:39,420 --> 00:46:43,940
pharma almost as often as it complains

1156
00:46:42,269 --> 00:46:46,769
about alternative medicines i

1157
00:46:43,940 --> 00:46:48,539
participated in a hearing representative

1158
00:46:46,769 --> 00:46:50,009
pharmacist together with ken in a

1159
00:46:48,539 --> 00:46:52,170
hearing in which a pharmaceutical got

1160
00:46:50,010 --> 00:46:55,020
fine forty thousand dollars because of

1161
00:46:52,170 --> 00:46:56,670
our testimony we we are not afraid to

1162
00:46:55,019 --> 00:46:57,759
attack big farmer when a big pharma

1163
00:46:56,670 --> 00:46:59,590
falls afoul of what they

1164
00:46:57,760 --> 00:47:01,810
should be doing if you're an example of

1165
00:46:59,590 --> 00:47:04,690
something so ridiculous that you won't

1166
00:47:01,809 --> 00:47:06,460
believe it right I am an editor on a

1167
00:47:04,690 --> 00:47:07,840
complementary medicine journal called

1168
00:47:06,460 --> 00:47:10,360
focus on alternative and complementary

1169

00:47:07,840 --> 00:47:12,730
therapies I published about five

1170
00:47:10,360 --> 00:47:14,530
articles in there one of which is a

1171
00:47:12,730 --> 00:47:17,110
review of acupuncture which came out

1172
00:47:14,530 --> 00:47:19,600
today I got accused of being a big

1173
00:47:17,110 --> 00:47:21,460
pharma shell because that journal is

1174
00:47:19,599 --> 00:47:24,909
supported by the British pharmaceutical

1175
00:47:21,460 --> 00:47:26,710
Association well it's a complementary

1176
00:47:24,909 --> 00:47:30,909
medicine journal where I write about

1177
00:47:26,710 --> 00:47:33,400
acupuncture chi gong tai chi by no but

1178
00:47:30,909 --> 00:47:35,230
you're a shield to be great but what's

1179
00:47:33,400 --> 00:47:36,960
really appalling about that is that if

1180
00:47:35,230 --> 00:47:38,740
the stuff that you're publishing

1181
00:47:36,960 --> 00:47:40,900
actually is finding that these

1182
00:47:38,739 --> 00:47:43,779
modalities don't work it's there for

1183
00:47:40,900 --> 00:47:45,250

saying big it's it's saying well if

1184

00:47:43,780 --> 00:47:46,960

you're finding that the stuff doesn't

1185

00:47:45,250 --> 00:47:49,150

work then you must be supported by big

1186

00:47:46,960 --> 00:47:51,309

farmer and therefore you can only you

1187

00:47:49,150 --> 00:47:52,450

couldn't possibly be doing stuff to

1188

00:47:51,309 --> 00:47:54,400

support I think you're not saying that

1189

00:47:52,449 --> 00:47:56,230

it work that is making the assumption

1190

00:47:54,400 --> 00:47:57,789

they bother to read my research show and

1191

00:47:56,230 --> 00:47:59,320

they didn't they just saw that it is

1192

00:47:57,789 --> 00:48:01,449

supported by the British people just

1193

00:47:59,320 --> 00:48:04,000

simply regard you as a big pharma show

1194

00:48:01,449 --> 00:48:06,129

they said because I write for this kind

1195

00:48:04,000 --> 00:48:08,920

of entertainer I mean how ridiculous

1196

00:48:06,130 --> 00:48:11,050

awesome right dr. age I yeah I just have

1197

00:48:08,920 --> 00:48:15,150

to look at your 7-series BMW and I

1198
00:48:11,050 --> 00:48:20,289
thought and I start to get suspicious

1199
00:48:15,150 --> 00:48:21,700
just stop just to clarify what you said

1200
00:48:20,289 --> 00:48:22,929
before it is actually Charles Sturt

1201
00:48:21,699 --> 00:48:24,699
University that have put their

1202
00:48:22,929 --> 00:48:26,139
disclaimer what what what's interesting

1203
00:48:24,699 --> 00:48:29,649
is when you actually look at the course

1204
00:48:26,139 --> 00:48:32,529
content it is a health sciences degree

1205
00:48:29,650 --> 00:48:34,450
and the you know they make it quite

1206
00:48:32,530 --> 00:48:37,210
explicit that they do not that this

1207
00:48:34,449 --> 00:48:39,429
disclaimer says that CSU does not teach

1208
00:48:37,210 --> 00:48:40,750
homeopathy iridology reflexology or any

1209
00:48:39,429 --> 00:48:44,769
other subjects that are not based on

1210
00:48:40,750 --> 00:48:46,599
experimental evidence and it goes on but

1211
00:48:44,769 --> 00:48:48,639
you know you look at what that's what

1212
00:48:46,599 --> 00:48:50,650
the course covers and its

1213
00:48:48,639 --> 00:48:52,420
pathophysiology and pharmacology

1214
00:48:50,650 --> 00:48:54,519
evidence-based complementary medicine

1215
00:48:52,420 --> 00:48:57,039
what I want to know is I would love them

1216
00:48:54,519 --> 00:49:00,159
to actually do some research of the

1217
00:48:57,039 --> 00:49:01,009
students coming out of these horses to

1218
00:49:00,159 --> 00:49:02,899
see

1219
00:49:01,010 --> 00:49:04,400
watch they're actually then practicing

1220
00:49:02,900 --> 00:49:07,280
because if they're coming in there if a

1221
00:49:04,400 --> 00:49:08,720
naturopath or you know an acupuncturist

1222
00:49:07,280 --> 00:49:10,519
or whatever the person is doing that

1223
00:49:08,719 --> 00:49:13,579
course does the course with the aim of

1224
00:49:10,519 --> 00:49:15,320
them learning better evidence based

1225
00:49:13,579 --> 00:49:16,940
practice they come out of the course

1226

00:49:15,320 --> 00:49:18,680
they go out there and they're practicing

1227
00:49:16,940 --> 00:49:21,200
as a naturopath and an acupuncturist

1228
00:49:18,679 --> 00:49:23,059
well ultimately if they're using things

1229
00:49:21,199 --> 00:49:24,469
that the evidence shows doesn't work

1230
00:49:23,059 --> 00:49:26,840
then what is the course actually

1231
00:49:24,469 --> 00:49:29,029
achieving is it just is it just going it

1232
00:49:26,840 --> 00:49:30,740
up and saying therefore we've now got

1233
00:49:29,030 --> 00:49:31,640
this degree so I'm more legitimate but

1234
00:49:30,739 --> 00:49:33,379
I'm still going to just keep practicing

1235
00:49:31,639 --> 00:49:35,029
what I'm practicing that their argument

1236
00:49:33,380 --> 00:49:36,920
for that I have had a look into this and

1237
00:49:35,030 --> 00:49:38,450
their argument is that there are a lot

1238
00:49:36,920 --> 00:49:40,099
of they say and I haven't seen any

1239
00:49:38,449 --> 00:49:41,809
evidence for this they say that a lot of

1240
00:49:40,099 --> 00:49:43,639

people that get into that stream are

1241

00:49:41,809 --> 00:49:45,710

then offered alternatives to go into

1242

00:49:43,639 --> 00:49:49,250

medicine physiology sorry farmer

1243

00:49:45,710 --> 00:49:51,650

pharmacy and nursing after that so they

1244

00:49:49,250 --> 00:49:54,320

filter them in from whoo they put them

1245

00:49:51,650 --> 00:49:56,809

into this evidence-based two year is it

1246

00:49:54,320 --> 00:49:59,300

postgrad course and then some of them go

1247

00:49:56,809 --> 00:50:01,369

off and do real science but I don't know

1248

00:49:59,300 --> 00:50:02,810

where many that is and I couldn't find

1249

00:50:01,369 --> 00:50:04,250

any information about I've been really

1250

00:50:02,809 --> 00:50:06,590

interested to know that because I mean I

1251

00:50:04,250 --> 00:50:09,559

think if it is actually having a

1252

00:50:06,590 --> 00:50:11,180

positive outcome if it is actually you

1253

00:50:09,559 --> 00:50:13,460

know churning out students who are

1254

00:50:11,179 --> 00:50:14,779

thinking more critically and who are

1255
00:50:13,460 --> 00:50:16,550
actually prepared to look at the way

1256
00:50:14,780 --> 00:50:18,110
they're practicing these alternative

1257
00:50:16,550 --> 00:50:19,730
modalities and say hang on a second

1258
00:50:18,110 --> 00:50:20,960
actually be able to chose this doesn't

1259
00:50:19,730 --> 00:50:23,150
work maybe I shouldn't be doing yeah

1260
00:50:20,960 --> 00:50:25,070
then that's that's a good thing I could

1261
00:50:23,150 --> 00:50:26,030
I can I can live with that but if

1262
00:50:25,070 --> 00:50:28,730
they're just coming out the other end

1263
00:50:26,030 --> 00:50:30,980
and just Carolina I couldn't find the

1264
00:50:28,730 --> 00:50:33,980
evidence for that yet I'm looking for it

1265
00:50:30,980 --> 00:50:37,130
though sounds suspicious to me like

1266
00:50:33,980 --> 00:50:39,980
the bad outcome of that would be it's

1267
00:50:37,130 --> 00:50:42,619
just helping them to sound more credible

1268
00:50:39,980 --> 00:50:43,849
that's the point exactly that's the

1269
00:50:42,619 --> 00:50:44,990
point and that's one of the arguments

1270
00:50:43,849 --> 00:50:47,029
that we've been having with some

1271
00:50:44,989 --> 00:50:49,579
ultimate people is they're saying that

1272
00:50:47,030 --> 00:50:51,500
you shouldn't take cam and ultimate out

1273
00:50:49,579 --> 00:50:53,239
of unions because at least then we know

1274
00:50:51,500 --> 00:50:55,159
they're getting trained properly come

1275
00:50:53,239 --> 00:50:56,689
out as a veteran that to us and they

1276
00:50:55,159 --> 00:50:58,069
would have they came out of the

1277
00:50:56,690 --> 00:51:00,349
Australian college of natural therapies

1278
00:50:58,070 --> 00:51:02,359
but where's the evidence for that where

1279
00:51:00,349 --> 00:51:04,400
is it I don't see it and the thing is is

1280
00:51:02,358 --> 00:51:07,190
that Southern Cross who had Merrill Dory

1281
00:51:04,400 --> 00:51:10,190
teaching vaccinations to neone in a

1282
00:51:07,190 --> 00:51:12,079
neonatal class oh sure about that one we

1283

00:51:10,190 --> 00:51:13,670
do I exciting yes I remember something

1284
00:51:12,079 --> 00:51:14,960
Meryl Dory was teaching someone at

1285
00:51:13,670 --> 00:51:18,500
Southern Cross which I've never been out

1286
00:51:14,960 --> 00:51:19,940
of 5 and I'm still looking for that is

1287
00:51:18,500 --> 00:51:21,320
that just because that was taught me

1288
00:51:19,940 --> 00:51:22,730
Unni doesn't mean you come out any less

1289
00:51:21,320 --> 00:51:23,900
anti backs and if you learnt it in the

1290
00:51:22,730 --> 00:51:26,869
Blue Mountains in a secret meeting

1291
00:51:23,900 --> 00:51:29,780
underground you know absolutely thank

1292
00:51:26,869 --> 00:51:31,490
you man now one of the major forces in

1293
00:51:29,780 --> 00:51:34,369
the the Friends of science and medicine

1294
00:51:31,489 --> 00:51:36,739
is professor john dwyer iran professor

1295
00:51:34,369 --> 00:51:40,490
john dwyer and he is actually speaking

1296
00:51:36,739 --> 00:51:43,069
here in sydney on the thirty-first of

1297
00:51:40,489 --> 00:51:46,179

marsh at an Australian skeptics dinner

1298

00:51:43,070 --> 00:51:48,590

meeting the first one of 2012 yes and

1299

00:51:46,179 --> 00:51:51,019

I'm not sure whether the information is

1300

00:51:48,590 --> 00:51:52,130

on our website just yet but if it isn't

1301

00:51:51,019 --> 00:51:57,590

then it will be in the next few days

1302

00:51:52,130 --> 00:51:58,730

yeah wwc XCOM a youth you're in Sydney

1303

00:51:57,590 --> 00:52:01,460

and you want to find out more about

1304

00:51:58,730 --> 00:52:02,869

friends of science in medicine come

1305

00:52:01,460 --> 00:52:06,139

along to our dinner meeting which is

1306

00:52:02,869 --> 00:52:09,170

great fun it is a good dinner and an

1307

00:52:06,139 --> 00:52:11,989

interesting speakers now rhe a quick

1308

00:52:09,170 --> 00:52:14,210

shout out to our friends in Canberra

1309

00:52:11,989 --> 00:52:17,118

because you and I have both gone down in

1310

00:52:14,210 --> 00:52:19,250

the last month's to speak in Canberra

1311

00:52:17,119 --> 00:52:20,720

our nation's capital and you were only

1312
00:52:19,250 --> 00:52:22,519
there the other day you had a great time

1313
00:52:20,719 --> 00:52:25,159
I had a great time the guys in Canberra

1314
00:52:22,519 --> 00:52:27,108
are so professional do a fantastic job

1315
00:52:25,159 --> 00:52:30,409
brought me wine and dinner that has

1316
00:52:27,108 --> 00:52:32,389
nothing to do but they have this

1317
00:52:30,409 --> 00:52:34,250
fantastic venue and your shield women

1318
00:52:32,389 --> 00:52:37,429
that was Michelle payment you're a skill

1319
00:52:34,250 --> 00:52:39,500
for big whiner and and Big Train oak and

1320
00:52:37,429 --> 00:52:42,230
their panera at Reno trip as well

1321
00:52:39,500 --> 00:52:44,869
venom and bustle they have a great venue

1322
00:52:42,230 --> 00:52:50,119
it's the CSIRO discovery center yes

1323
00:52:44,869 --> 00:52:52,099
which is part of Anu and we had about 80

1324
00:52:50,119 --> 00:52:54,349
to 100 people there Fred I gave a talk

1325
00:52:52,099 --> 00:52:57,380
about health information on the internet

1326
00:52:54,349 --> 00:52:59,389
so as my god dr. google talk but a

1327
00:52:57,380 --> 00:53:02,059
little bit expanded from what I've done

1328
00:52:59,389 --> 00:53:05,389
before with puppets yed puppets and

1329
00:53:02,059 --> 00:53:07,759
interpretive dance like the ABC

1330
00:53:05,389 --> 00:53:13,940
interpretive bandicut you know the one

1331
00:53:07,760 --> 00:53:15,890
that first up on the moon remember that

1332
00:53:13,940 --> 00:53:17,840
one camera a camera skeptics are doing

1333
00:53:15,889 --> 00:53:20,629
great stuff that and they're great talks

1334
00:53:17,840 --> 00:53:23,600
and and they're doing the convention in

1335
00:53:20,630 --> 00:53:26,150
2013 but if anyone is in Canberra they

1336
00:53:23,599 --> 00:53:28,429
do skeptics in the pub I think on some

1337
00:53:26,150 --> 00:53:29,780
it sunday afternoons once a month I

1338
00:53:28,429 --> 00:53:31,609
haven't got that information to hand but

1339
00:53:29,780 --> 00:53:33,320
people please google camera settings

1340

00:53:31,610 --> 00:53:35,960
camera skeptic stood all today you i

1341
00:53:33,320 --> 00:53:38,059
think but yeah never they're fantastic

1342
00:53:35,960 --> 00:53:41,119
and in fact i just got a little

1343
00:53:38,059 --> 00:53:43,000
notification about 2013 the australian

1344
00:53:41,119 --> 00:53:45,170
skeptics national convention in canberra

1345
00:53:43,000 --> 00:53:49,190
something to do with the 50th

1346
00:53:45,170 --> 00:53:52,760
anniversary of JFK may night oh look

1347
00:53:49,190 --> 00:53:54,769
again look when is that Patsy get when

1348
00:53:52,760 --> 00:53:56,900
you're going to give that guy rest ok if

1349
00:53:54,769 --> 00:53:59,269
Oswald had gone to trial we wouldn't be

1350
00:53:56,900 --> 00:54:02,329
here now talking about them he did and

1351
00:53:59,269 --> 00:54:04,309
I've got the video ah yes well well

1352
00:54:02,329 --> 00:54:06,440
that's a big shield from big y know I

1353
00:54:04,309 --> 00:54:08,449
think you're fired up there but I will

1354
00:54:06,440 --> 00:54:10,550

watch that anyway and it's and anyone

1355

00:54:08,449 --> 00:54:11,960

who did listen to the disbelievers we

1356

00:54:10,550 --> 00:54:13,730

had it we had a bit of an altercation on

1357

00:54:11,960 --> 00:54:15,409

it at all on the last episode which

1358

00:54:13,730 --> 00:54:18,170

would make a good episode seven if we

1359

00:54:15,409 --> 00:54:20,690

ever do 150 years next year since that

1360

00:54:18,170 --> 00:54:23,420

that day that's incredible now I run a

1361

00:54:20,690 --> 00:54:27,200

little note here to talk about the TGA

1362

00:54:23,420 --> 00:54:31,789

and something called undo it yes undo it

1363

00:54:27,199 --> 00:54:34,939

is another well hundred should I go it's

1364

00:54:31,789 --> 00:54:37,639

a slimming agent of sword now I think

1365

00:54:34,940 --> 00:54:40,700

you undo you undo it because the idea is

1366

00:54:37,639 --> 00:54:43,789

that you you can take it you can eat

1367

00:54:40,699 --> 00:54:46,460

whatever you want and counter it by

1368

00:54:43,789 --> 00:54:49,309

taking a pill appeal is worth about a

1369
00:54:46,460 --> 00:54:51,720
dollar and say they say that a chocolate

1370
00:54:49,309 --> 00:54:54,779
biscuit so you can counter with

1371
00:54:51,719 --> 00:55:01,769
with one pill a tub of ice cream is two

1372
00:54:54,780 --> 00:55:03,660
pills and Yeah Yeah right right just

1373
00:55:01,769 --> 00:55:05,579
doing the minding here for a big tub of

1374
00:55:03,659 --> 00:55:07,949
ice cream hard drive he doesn't see how

1375
00:55:05,579 --> 00:55:11,009
big the tub of ice cream is when there's

1376
00:55:07,949 --> 00:55:12,569
actually a pharmaceutical drug that does

1377
00:55:11,010 --> 00:55:14,640
this called xenical that used to be

1378
00:55:12,570 --> 00:55:16,050
about that would bind with the fat and

1379
00:55:14,639 --> 00:55:17,909
pass it out of your body which was a

1380
00:55:16,050 --> 00:55:19,680
really bad idea in actos action after

1381
00:55:17,909 --> 00:55:21,358
they started using it is it something

1382
00:55:19,679 --> 00:55:23,219
like the xenical of the farmer

1383
00:55:21,358 --> 00:55:25,529
pharmaceuticals I don't know I don't

1384
00:55:23,219 --> 00:55:27,149
know all the claims i looked at their ad

1385
00:55:25,530 --> 00:55:28,560
it was it was very simplistic he didn't

1386
00:55:27,150 --> 00:55:30,570
provide a lot of information but the

1387
00:55:28,559 --> 00:55:32,759
point is that if it were then it would

1388
00:55:30,570 --> 00:55:35,010
be unsafe and would not be he'll out to

1389
00:55:32,760 --> 00:55:37,080
we could not be used I suppose it

1390
00:55:35,010 --> 00:55:39,119
probably isn't it's probably another

1391
00:55:37,079 --> 00:55:40,679
another scam we we can't be sure of

1392
00:55:39,119 --> 00:55:47,369
course we don't know all the details but

1393
00:55:40,679 --> 00:55:48,960
ken harvey complain to the DGA energy

1394
00:55:47,369 --> 00:55:50,430
and time and time again and he just gets

1395
00:55:48,960 --> 00:55:52,920
knocked back it I know that I need the

1396
00:55:50,429 --> 00:55:54,779
TJ did did actually respond very

1397

00:55:52,920 --> 00:55:59,789
positively said they took note of his

1398
00:55:54,780 --> 00:56:02,180
complaint oh it is isn't it got a

1399
00:55:59,789 --> 00:56:04,588
response is is that a sort of a

1400
00:56:02,179 --> 00:56:07,469
bureaucrat talk for we answered the

1401
00:56:04,588 --> 00:56:11,130
phone pretty much yeah it's what do you

1402
00:56:07,469 --> 00:56:13,919
mean look that cuz they didn't dismiss

1403
00:56:11,130 --> 00:56:17,070
it completely but let's say this way ken

1404
00:56:13,920 --> 00:56:18,570
would have to keep on top of it to make

1405
00:56:17,070 --> 00:56:20,430
anything happen about it now the good

1406
00:56:18,570 --> 00:56:22,320
thing about ken is that he will keep on

1407
00:56:20,429 --> 00:56:24,690
top of it he will continue to pressure

1408
00:56:22,320 --> 00:56:27,088
them and if this thing continues to be

1409
00:56:24,690 --> 00:56:29,070
marketed then eventually something will

1410
00:56:27,088 --> 00:56:30,539
happen but it could take a very long

1411
00:56:29,070 --> 00:56:31,650

time in the meantime they'll make a lot

1412

00:56:30,539 --> 00:56:34,369

of money and you know these things

1413

00:56:31,650 --> 00:56:36,809

eventually they disappear and they

1414

00:56:34,369 --> 00:56:38,550

dissipate because there is an issue

1415

00:56:36,809 --> 00:56:41,039

there's some initial hype about it then

1416

00:56:38,550 --> 00:56:43,380

people take it just like one two three

1417

00:56:41,039 --> 00:56:46,219

gut flush oh that's right that's taking

1418

00:56:43,380 --> 00:56:49,220

off big time since our presentation yeah

1419

00:56:46,219 --> 00:56:50,839

unbelievable I think one of the points

1420

00:56:49,219 --> 00:56:52,429

though that ken was making he wrote an

1421

00:56:50,840 --> 00:56:54,890

article on the conversation again today

1422

00:56:52,429 --> 00:56:56,750

about this was that there was a review

1423

00:56:54,889 --> 00:56:59,480

of the TGA in the last couple of months

1424

00:56:56,750 --> 00:57:00,679

and it involved a huge amount of people

1425

00:56:59,480 --> 00:57:02,269

that spent a lot of time going through

1426
00:57:00,679 --> 00:57:04,519
the legislation and working out where

1427
00:57:02,269 --> 00:57:06,559
changes should be made one of the things

1428
00:57:04,519 --> 00:57:08,269
that they cited as a really important

1429
00:57:06,559 --> 00:57:10,969
thing that should be changed is that

1430
00:57:08,269 --> 00:57:12,559
when sponsors are listing a product they

1431
00:57:10,969 --> 00:57:14,358
just have an open little box where they

1432
00:57:12,559 --> 00:57:16,639
can type any kinds they like about this

1433
00:57:14,358 --> 00:57:18,380
product so they can say this is a magic

1434
00:57:16,639 --> 00:57:20,179
pill that reverses the norm she just had

1435
00:57:18,380 --> 00:57:23,480
they don't need to provide any evidence

1436
00:57:20,179 --> 00:57:25,309
of that now it was recommended that that

1437
00:57:23,480 --> 00:57:27,230
should be stopped that they didn't have

1438
00:57:25,309 --> 00:57:29,659
the option to put free text in to make

1439
00:57:27,230 --> 00:57:31,159
up sheets basically and the teeth the

1440
00:57:29,659 --> 00:57:33,259
government just went now that's too hard

1441
00:57:31,159 --> 00:57:35,868
we're not going to do that so all that

1442
00:57:33,260 --> 00:57:37,010
effort of people making going through

1443
00:57:35,869 --> 00:57:38,630
all this legislation and then

1444
00:57:37,010 --> 00:57:41,210
potentially tightening up that

1445
00:57:38,630 --> 00:57:43,070
legislation was just dismissed by the

1446
00:57:41,210 --> 00:57:44,869
government so now these people who are

1447
00:57:43,070 --> 00:57:47,180
making this undo it's tougher going ha

1448
00:57:44,869 --> 00:57:49,940
ha ha ha we'll just make up more

1449
00:57:47,179 --> 00:57:52,159
it's not just people like undo it it's

1450
00:57:49,940 --> 00:57:53,510
also real pharmaceuticals and we had

1451
00:57:52,159 --> 00:57:55,579
this situation I with the people who

1452
00:57:53,510 --> 00:57:58,130
sell nurofen where they were there were

1453
00:57:55,579 --> 00:57:59,329
twice there were twice told to stop

1454

00:57:58,130 --> 00:58:02,000
doing what they were doing because one

1455
00:57:59,329 --> 00:58:04,130
one time they were you may remember that

1456
00:58:02,000 --> 00:58:07,039
they were given the shonky last year

1457
00:58:04,130 --> 00:58:10,640
because they were selling nurofen the

1458
00:58:07,039 --> 00:58:12,559
migraine pain and europe admits period

1459
00:58:10,639 --> 00:58:15,409
pain and all those kind of thing they're

1460
00:58:12,559 --> 00:58:17,570
all exactly the same just like

1461
00:58:15,409 --> 00:58:20,389
homeopathy yeah we handed twenty four

1462
00:58:17,570 --> 00:58:23,000
milligrams I think it was a lie yeah 425

1463
00:58:20,389 --> 00:58:25,129
was it something is they are all exactly

1464
00:58:23,000 --> 00:58:27,650
the same formulation different colored

1465
00:58:25,130 --> 00:58:33,289
box and different prices and and then

1466
00:58:27,650 --> 00:58:34,579
the TGA actually also not the CRP there

1467
00:58:33,289 --> 00:58:36,800
the complaint resolution panel which is

1468
00:58:34,579 --> 00:58:39,170

all about advertising ruled against them

1469

00:58:36,800 --> 00:58:42,200

because they were advertising nurofen as

1470

00:58:39,170 --> 00:58:45,409

being targeting the source of the pain

1471

00:58:42,199 --> 00:58:48,199

which is nonsense it's systemic it

1472

00:58:45,409 --> 00:58:50,029

targets Atari every brain it's a there's

1473

00:58:48,199 --> 00:58:51,949

nothing to do with targeting the yeah

1474

00:58:50,030 --> 00:58:53,750

the site of the pain you take Italy goes

1475

00:58:51,949 --> 00:58:54,969

who I'm gonna go up this over here in

1476

00:58:53,750 --> 00:58:57,159

debate

1477

00:58:54,969 --> 00:58:59,019

and they have ads that clearly show it

1478

00:58:57,159 --> 00:59:01,629

as if it is going to the side of the

1479

00:58:59,019 --> 00:59:06,759

pain that's me hey there's been two

1480

00:59:01,630 --> 00:59:07,990

boxes thank you exactly or oh no no no

1481

00:59:06,760 --> 00:59:10,870

none of you are getting your shield

1482

00:59:07,989 --> 00:59:13,479

checks is not know and the thing is this

1483
00:59:10,869 --> 00:59:15,789
company got a ruling against it and they

1484
00:59:13,480 --> 00:59:17,920
ignored it and worse than that i write

1485
00:59:15,789 --> 00:59:20,199
this facetious littles like flippity

1486
00:59:17,920 --> 00:59:21,730
response going we will continue to

1487
00:59:20,199 --> 00:59:25,839
target our product in this manner that's

1488
00:59:21,730 --> 00:59:28,630
right basically shove it up your bum yes

1489
00:59:25,840 --> 00:59:30,820
they know that because no consequences

1490
00:59:28,630 --> 00:59:32,230
and they say if those people who sell on

1491
00:59:30,820 --> 00:59:36,730
me up a thick and can do whatever they

1492
00:59:32,230 --> 00:59:40,630
want why can't we and they can so that's

1493
00:59:36,730 --> 00:59:42,130
right at the moment yeah we're on their

1494
00:59:40,630 --> 00:59:45,369
tail we're on their case we're on their

1495
00:59:42,130 --> 00:59:49,329
case now before we wrap up a big plug to

1496
00:59:45,369 --> 00:59:52,389
a guy who we all enjoy the videos when

1497
00:59:49,329 --> 00:59:54,489
he produces videos potholder 54 on

1498
00:59:52,389 --> 00:59:58,210
youtube folks if you're not subscribed

1499
00:59:54,489 --> 01:00:00,969
to pot Hall of 54 what's stopping you

1500
00:59:58,210 --> 01:00:02,820
please do his latest video he often has

1501
01:00:00,969 --> 01:00:06,069
wonderful things about creationism

1502
01:00:02,820 --> 01:00:08,590
actually and absolutely in here words

1503
01:00:06,070 --> 01:00:12,400
the golden Crocodoc the continuity to

1504
01:00:08,590 --> 01:00:14,440
the winning creationist moron lunacy out

1505
01:00:12,400 --> 01:00:16,389
there but he's turned his attention just

1506
01:00:14,440 --> 01:00:19,179
recently his latest video is health

1507
01:00:16,389 --> 01:00:20,949
vaccinations and junk science really

1508
01:00:19,179 --> 01:00:24,480
great and this is going to be the first

1509
01:00:20,949 --> 01:00:24,480
of the series where he

1510
01:00:25,139 --> 01:00:30,129
us about the bus announcement after all

1511

01:00:28,090 --> 01:00:31,750
these months but he's Tony's attentional

1512
01:00:30,130 --> 01:00:36,340
Swagger's a lot of bass wish that get

1513
01:00:31,750 --> 01:00:38,260
that right please subscribe to potholer

1514
01:00:36,340 --> 01:00:40,470
54 have a look at his latest video

1515
01:00:38,260 --> 01:00:44,620
health vaccinations and junk science a

1516
01:00:40,469 --> 01:00:47,019
wonderful start of a series which I'm

1517
01:00:44,619 --> 01:00:48,609
delighted to say good good one he's

1518
01:00:47,019 --> 01:00:50,469
name's Peter Hadfield Peter Hadfield

1519
01:00:48,610 --> 01:00:52,660
field he came from spoken a secret

1520
01:00:50,469 --> 01:00:55,480
identity yeah well no notes no this

1521
01:00:52,659 --> 01:00:57,639
can't open no secret he spoke at our

1522
01:00:55,480 --> 01:00:59,980
last convention of course yeah and

1523
01:00:57,639 --> 01:01:03,179
before we go it's a present job rachey

1524
01:00:59,980 --> 01:01:06,990
because I just know she loves new moon

1525
01:01:03,179 --> 01:01:11,109

so so this some this is something called

1526

01:01:06,989 --> 01:01:13,239

ECR it's some energetic cellular release

1527

01:01:11,110 --> 01:01:16,059

and was developed by a very clever

1528

01:01:13,239 --> 01:01:19,509

naturopath this is like flashes and the

1529

01:01:16,059 --> 01:01:21,670

purpose of NCR the purpose of ECR is a

1530

01:01:19,510 --> 01:01:23,110

technique to retrain the cells organs

1531

01:01:21,670 --> 01:01:25,450

and glands of the body to react in a

1532

01:01:23,110 --> 01:01:27,190

positive manner to stimuli by releasing

1533

01:01:25,449 --> 01:01:30,669

energetic memories stored in the cells

1534

01:01:27,190 --> 01:01:31,869

of those tissues sorry but but what I

1535

01:01:30,670 --> 01:01:34,119

thought you'd be particularly interested

1536

01:01:31,869 --> 01:01:36,609

in is you know we always talked a lot

1537

01:01:34,119 --> 01:01:37,960

about you no contraindications and you

1538

01:01:36,610 --> 01:01:40,780

know you shouldn't mix medications

1539

01:01:37,960 --> 01:01:43,840

together that have you know interactions

1540
01:01:40,780 --> 01:01:45,310
and so on well apparently there are some

1541
01:01:43,840 --> 01:01:49,269
special instructions that need to be

1542
01:01:45,309 --> 01:01:50,710
taken into account if you have ECR when

1543
01:01:49,269 --> 01:01:52,780
coming to a session it is best that the

1544
01:01:50,710 --> 01:01:55,539
person not be hungry too stressed or to

1545
01:01:52,780 --> 01:01:57,970
fatigue also for three hours afterwards

1546
01:01:55,539 --> 01:01:59,800
avoid any strenuous exercise or energy

1547
01:01:57,969 --> 01:02:05,018
balancing techniques such as acupuncture

1548
01:01:59,800 --> 01:02:13,869
all right here boy don't like to play

1549
01:02:05,018 --> 01:02:16,298
that should be a general rule thanks Joe

1550
01:02:13,869 --> 01:02:17,769
what an interesting way to anything take

1551
01:02:16,298 --> 01:02:19,478
well thank you everybody it's great we I

1552
01:02:17,768 --> 01:02:22,508
don't do think tanks too often anymore

1553
01:02:19,478 --> 01:02:25,148
we should do it illegally I think I know

1554
01:02:22,509 --> 01:02:27,068
the fans are really enjoy it's like

1555
01:02:25,148 --> 01:02:28,509
you're with us everybody listening out

1556
01:02:27,068 --> 01:02:29,918
there it's like you're sitting there you

1557
01:02:28,509 --> 01:02:31,418
are at the end of the table and you're

1558
01:02:29,918 --> 01:02:33,278
raising your guys actually just got a

1559
01:02:31,418 --> 01:02:35,168
tweet from Lucas Randall organizer of

1560
01:02:33,278 --> 01:02:37,239
Melbourne skeptic and he just said hello

1561
01:02:35,168 --> 01:02:38,798
wants to wave to us all here so the your

1562
01:02:37,239 --> 01:02:40,688
you're here with us now actually they're

1563
01:02:38,798 --> 01:02:41,949
recording the science on top podcast at

1564
01:02:40,688 --> 01:02:44,469
the same time as we're recording the

1565
01:02:41,949 --> 01:02:46,989
think tank it so it's all happening but

1566
01:02:44,469 --> 01:02:48,548
Joe thank you for coming along to think

1567
01:02:46,989 --> 01:02:50,949
please note great to see you doctor

1568

01:02:48,548 --> 01:02:52,659
eight years ever thank you I had fun and

1569
01:02:50,949 --> 01:02:54,639
you had some noms to earlier which and

1570
01:02:52,659 --> 01:02:56,798
there's some lobsters lobsters over

1571
01:02:54,639 --> 01:02:58,088
there may not look I had a great time I

1572
01:02:56,798 --> 01:03:00,309
just wanna remind people that Thomas

1573
01:02:58,088 --> 01:03:01,659
Dolby recently visited Australia and was

1574
01:03:00,309 --> 01:03:03,130
interviewed by Tim Ritchie and that's

1575
01:03:01,659 --> 01:03:05,619
available as a podcast find out what

1576
01:03:03,130 --> 01:03:08,289
Thomas Toby's been doing his song toad

1577
01:03:05,619 --> 01:03:09,969
liquors is a real winner and he modem

1578
01:03:08,289 --> 01:03:11,499
he'd made most of his money if you own a

1579
01:03:09,969 --> 01:03:13,958
nokia phone and it's got one of those

1580
01:03:11,498 --> 01:03:17,588
devices in their way you can make your

1581
01:03:13,958 --> 01:03:20,168
own ringtone him he invented that so hit

1582
01:03:17,588 --> 01:03:21,308

every nokia phone sold during the 90s he

1583

01:03:20,168 --> 01:03:23,048

would have got a little bit of a royalty

1584

01:03:21,309 --> 01:03:24,548

on because he was co-inventor of the

1585

01:03:23,048 --> 01:03:26,168

little synth inside there where he could

1586

01:03:24,548 --> 01:03:28,239

make your own was it polyphonic

1587

01:03:26,168 --> 01:03:30,338

ringtones or yeah yeah yeah whatever was

1588

01:03:28,239 --> 01:03:31,688

it made that ringtone every nokia phone

1589

01:03:30,338 --> 01:03:32,889

you got for a while so i'd say he

1590

01:03:31,688 --> 01:03:34,618

probably made more out that they ever

1591

01:03:32,889 --> 01:03:37,179

made out of music that's why he has a

1592

01:03:34,619 --> 01:03:39,579

lifeboat as a studio next to his house

1593

01:03:37,179 --> 01:03:41,829

on the coast of the coast of Wales where

1594

01:03:39,579 --> 01:03:44,048

he lives yet and that's why we have may

1595

01:03:41,829 --> 01:03:48,399

not come along think tank everybody here

1596

01:03:44,048 --> 01:03:49,538

in science but by god I can drink Iran's

1597
01:03:48,398 --> 01:03:51,998
the give thank you for coming alone

1598
01:03:49,539 --> 01:03:54,099
thanks very much sweeter and Stefan yeah

1599
01:03:51,998 --> 01:03:55,868
are you lets us be great to be here this

1600
01:03:54,099 --> 01:03:57,818
once in a blue moon I actually get

1601
01:03:55,869 --> 01:03:59,919
released and allowed to come to the

1602
01:03:57,818 --> 01:04:01,748
today actually not true at all blue

1603
01:03:59,918 --> 01:04:03,398
moons happen much more often there well

1604
01:04:01,748 --> 01:04:05,648
they have happened twice in the last two

1605
01:04:03,398 --> 01:04:08,409
months but this is about it until 2014

1606
01:04:05,648 --> 01:04:10,148
it's been fantastic thank you and until

1607
01:04:08,409 --> 01:04:14,278
our next think tank which I hope is not

1608
01:04:10,148 --> 01:04:14,278
too far down the track cheers everybody

1609
01:04:14,750 --> 01:04:18,650
nobody glasses all that

1610
01:04:48,079 --> 01:04:55,789
hey Kenny oh hi Tom I say this part yeah

1611
01:04:52,289 --> 01:04:58,199
yes great weather oh look a unicorn

1612
01:04:55,789 --> 01:05:01,380
unicorn there are no such things as

1613
01:04:58,199 --> 01:05:03,569
unicorns silly yes there is no there

1614
01:05:01,380 --> 01:05:06,690
isn't hey guys what are you arguing

1615
01:05:03,570 --> 01:05:09,450
about tom thinks unicorns are real hey

1616
01:05:06,690 --> 01:05:12,210
so are let's look us up in the skeptics

1617
01:05:09,449 --> 01:05:14,309
dictionary the what how can we do this

1618
01:05:12,210 --> 01:05:15,990
in this park there is the computer here

1619
01:05:14,309 --> 01:05:18,059
you guys probably don't know about the

1620
01:05:15,989 --> 01:05:20,969
skeptics dictionary app available now

1621
01:05:18,059 --> 01:05:24,480
for iPhone iPad and iPod touch in the

1622
01:05:20,969 --> 01:05:26,309
app store Wow cool the app lets you

1623
01:05:24,480 --> 01:05:27,990
access all of the great skeptics

1624
01:05:26,309 --> 01:05:31,349
dictionary articles when you're on the

1625

01:05:27,989 --> 01:05:34,199
go here let me look up unicorns not cool

1626
01:05:31,349 --> 01:05:36,269
Kenny prepare to be proven wrong it says

1627
01:05:34,199 --> 01:05:40,019
here the Unicorn is a creature from

1628
01:05:36,269 --> 01:05:41,519
fables aha actually I see now that

1629
01:05:40,019 --> 01:05:44,309
someone just dumped their ice cream cone

1630
01:05:41,519 --> 01:05:47,780
on that horse's head thanks skeptics

1631
01:05:44,309 --> 01:05:47,779
dictionary iphone app

1632
01:05:55,750 --> 01:06:01,010
Richard I'm exhausted Oh Stefan what a

1633
01:05:59,030 --> 01:06:02,930
think tank know what I think team up my

1634
01:06:01,010 --> 01:06:04,849
mom is expanding exploding and

1635
01:06:02,929 --> 01:06:06,949
contracting again Maynard's on the floor

1636
01:06:04,849 --> 01:06:08,750
dr. Rietz in Iran are fighting in the

1637
01:06:06,949 --> 01:06:10,250
corner Joe's gone I don't even I can't

1638
01:06:08,750 --> 01:06:12,338
see us here she's going to look at the

1639
01:06:10,250 --> 01:06:14,449

lobsters I think yeah but one thing that

1640

01:06:12,338 --> 01:06:16,429

dr. Rachel she mentioned something about

1641

01:06:14,449 --> 01:06:18,710

challenging the word it in a court case

1642

01:06:16,429 --> 01:06:20,779

about what the word it means that's

1643

01:06:18,710 --> 01:06:23,150

doing my head in every turn it from now

1644

01:06:20,780 --> 01:06:25,010

on every time I hear the word it I'm

1645

01:06:23,150 --> 01:06:26,930

trying to wonder what what the actual

1646

01:06:25,010 --> 01:06:30,890

meaning of that word is it's it's it's

1647

01:06:26,929 --> 01:06:33,139

difficult it's hard it's it's a it's a

1648

01:06:30,889 --> 01:06:35,299

problem I'm bringing up but yeah look

1649

01:06:33,139 --> 01:06:37,338

great show great show and what were we

1650

01:06:35,300 --> 01:06:41,869

coming back next week with anything well

1651

01:06:37,338 --> 01:06:43,429

I'm off again yeah and a couple in fact

1652

01:06:41,869 --> 01:06:44,720

tomorrow I'm on a plane heading for

1653

01:06:43,429 --> 01:06:46,819

Singapore I'll be here a couple of days

1654
01:06:44,719 --> 01:06:49,039
Oh then I'll be in Edinburgh for about a

1655
01:06:46,820 --> 01:06:50,420
week where I'll be talking to the local

1656
01:06:49,039 --> 01:06:52,190
skeptics mmm we're looking forward to

1657
01:06:50,420 --> 01:06:55,250
that and then I'm heading to Manchester

1658
01:06:52,190 --> 01:06:58,099
for QED Oh Richard why did you come with

1659
01:06:55,250 --> 01:07:01,818
us on though you have the most enviable

1660
01:06:58,099 --> 01:07:05,329
job in the world Maynard's under the

1661
01:07:01,818 --> 01:07:06,380
table come back okay thank you yes well

1662
01:07:05,329 --> 01:07:07,849
I guess we'll be looking forward to

1663
01:07:06,380 --> 01:07:11,140
hearing what's the reports from all your

1664
01:07:07,849 --> 01:07:14,000
journey and I hope so jet lag reports

1665
01:07:11,139 --> 01:07:16,338
but I'll be sending those in producing

1666
01:07:14,000 --> 01:07:19,099
the zone on the fly on the fly fly on

1667
01:07:16,338 --> 01:07:21,588
the old iPad well on the little netbook

1668
01:07:19,099 --> 01:07:23,180
oh really an excellent well I think we

1669
01:07:21,588 --> 01:07:25,190
should just let you get up get packing I

1670
01:07:23,179 --> 01:07:26,719
better go hasport run downstairs and

1671
01:07:25,190 --> 01:07:29,510
start packing my bags get some

1672
01:07:26,719 --> 01:07:32,019
vaccinations I will hello you know see

1673
01:07:29,510 --> 01:07:32,020
you next time

1674
01:07:35,030 --> 01:07:42,050
you've been listening to the skeptic

1675
01:07:37,070 --> 01:07:45,830
zone visit our website at [www skeptics](http://www.skeptics)

1676
01:07:42,050 --> 01:07:48,760
on TV for comments contacts and extra

1677
01:07:45,829 --> 01:07:48,759
video reports