

The Think Tank Crew



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Maynard

The Skeptic Zone
Show 175 - 25 Feb 2012

1
00:00:12,580 --> 00:00:09,080
welcome to the skeptic zone the podcast

2
00:00:16,430 --> 00:00:12,590
from Australia for science and reason

3
00:00:26,420 --> 00:00:16,440
yuria hosts Richard Saunders and Stefan

4
00:00:28,400 --> 00:00:26,430
psycho hello Richard a steppin I can't

5
00:00:31,220 --> 00:00:28,410
believe I'm actually here that can't be

6
00:00:34,310 --> 00:00:31,230
Hillston park RSL club in the quarantine

7
00:00:36,950 --> 00:00:34,320
holding doc about to go into the tank we

8
00:00:38,660 --> 00:00:36,960
are in a little while you're recording

9
00:00:40,250 --> 00:00:38,670
the think tank great to see you here and

10
00:00:42,139 --> 00:00:40,260
our favorite club down the end of the

11
00:00:44,330 --> 00:00:42,149
street as we like to say that I even let

12
00:00:45,650 --> 00:00:44,340
me in as well which is amazing think

13
00:00:48,830 --> 00:00:45,660

that was a mistake but never mind this

14

00:00:51,319 --> 00:00:48,840

is episode number 175 of the skeptic

15

00:00:54,920 --> 00:00:51,329

zone for the 20 and Counting for the

16

00:00:58,520 --> 00:00:54,930

25th off february 2012 ponyta the last

17

00:01:01,099 --> 00:00:58,530

year of existence make the most of it we

18

00:01:02,540 --> 00:01:01,109

certainly are here we are in fact the

19

00:01:04,340 --> 00:01:02,550

other the other members of the skeptics

20

00:01:05,929 --> 00:01:04,350

owner gathering as we speak they are

21

00:01:07,850 --> 00:01:05,939

vigorously gathering there is a

22

00:01:09,469 --> 00:01:07,860

gatherers together including me no no no

23

00:01:10,760 --> 00:01:09,479

no it's great to be here if anyone's

24

00:01:12,440 --> 00:01:10,770

wondering jee main and what you do when

25

00:01:14,870 --> 00:01:12,450

you're not doing a skeptic zone check

26

00:01:17,300 --> 00:01:14,880

out the mr and ms leather australia

27

00:01:19,280 --> 00:01:17,310

competition which i co-hosted last

28

00:01:21,050 --> 00:01:19,290

sunday night at the oxford hotel it's

29

00:01:23,060 --> 00:01:21,060

not for the squeamish but i was there my

30

00:01:24,620 --> 00:01:23,070

hunter s thompson outfit so when i'm not

31

00:01:26,719 --> 00:01:24,630

the skipped exam that's kind of how it's

32

00:01:28,280 --> 00:01:26,729

been my time they would've been awesome

33

00:01:29,870 --> 00:01:28,290

right it was pretty good but look I tell

34

00:01:31,630 --> 00:01:29,880

you what's coming up on this show is a

35

00:01:34,810 --> 00:01:31,640

bit wild of the what I saw how something

36

00:01:37,670 --> 00:01:34,820

so what is coming up on the show me well

37

00:01:40,130 --> 00:01:37,680

I'm glad you asked if I'm glad you asked

38

00:01:43,219 --> 00:01:40,140

in fact that would kick off the show we

39

00:01:44,630 --> 00:01:43,229

have a Maynard and I rants again oh I'm

40

00:01:46,370 --> 00:01:44,640

not talking about Schrodinger's

41

00:01:47,929 --> 00:01:46,380

Schrodinger's cat that's not the one

42

00:01:49,460 --> 00:01:47,939

where you put the peanut butter toast

43

00:01:51,410 --> 00:01:49,470

strap it to the back and it's keeps

44

00:01:53,300 --> 00:01:51,420

spinning is it is that the cat yeah I

45

00:01:54,830 --> 00:01:53,310

don't think so it's to do with a dead

46

00:01:57,859 --> 00:01:54,840

cat litter BOTS other they kept the box

47

00:02:00,499 --> 00:01:57,869

that's right yes yes find out more one

48

00:02:02,569 --> 00:02:00,509

playing order on interviews no no

49

00:02:04,069 --> 00:02:02,579

Wednesday night interviews Iran people

50

00:02:06,080 --> 00:02:04,079

basically we did something on the dirty

51
00:02:08,010 --> 00:02:06,090
disbelievers which we got our straw our

52
00:02:10,320 --> 00:02:08,020
astrology friend under got it wrong and

53
00:02:13,170 --> 00:02:10,330
got it wrong and I ran rang me up and

54
00:02:15,930 --> 00:02:13,180
anyway already insured time to revisit

55
00:02:18,120 --> 00:02:15,940
time to revisit and after that the rest

56
00:02:20,730 --> 00:02:18,130
of the show is devoted to what promises

57
00:02:23,010 --> 00:02:20,740
to be a very interesting think tank

58
00:02:25,290 --> 00:02:23,020
because the whole gang are here hello

59
00:02:26,940 --> 00:02:25,300
skeptics that the local skeptics are in

60
00:02:30,210 --> 00:02:26,950
the crew not so not luma not an hour

61
00:02:31,980 --> 00:02:30,220
overseas correspondence I penny Chan and

62
00:02:33,570 --> 00:02:31,990
travis roy but everybody else in the

63
00:02:35,280 --> 00:02:33,580

skeptic zone is in the same room same

64

00:02:37,890 --> 00:02:35,290

time big one it's gonna be a big so

65

00:02:39,570 --> 00:02:37,900

that's yourself Boehner dr. Reggie Joe

66

00:02:40,860 --> 00:02:39,580

Benna mu and Imran sir given myself

67

00:02:42,270 --> 00:02:40,870

we're going to be talking about

68

00:02:44,270 --> 00:02:42,280

celebrities we're going to be talking

69

00:02:47,130 --> 00:02:44,280

about friends of science and medicine

70

00:02:49,650 --> 00:02:47,140

pothole of 54 in these wonderful YouTube

71

00:02:51,030 --> 00:02:49,660

videos and the Australian vaccination

72

00:02:52,080 --> 00:02:51,040

network it's all happening I think we

73

00:02:53,640 --> 00:02:52,090

should just get straight on with it

74

00:02:55,620 --> 00:02:53,650

because it is going to be a very huge

75

00:02:57,360 --> 00:02:55,630

show yeah I've got a photo a new none i

76
00:02:59,460 --> 00:02:57,370
want to show you from last sunday so you

77
00:03:01,620 --> 00:02:59,470
better run the show all of this will

78
00:03:04,380 --> 00:03:01,630
look at your photographs of the noon on

79
00:03:07,290 --> 00:03:04,390
Maynard and while we run to the bar and

80
00:03:10,020 --> 00:03:07,300
have another I don't have another drink

81
00:03:19,350 --> 00:03:10,030
will let everybody enjoy the skeptic

82
00:03:24,100 --> 00:03:22,540
the new south wales Supreme Court has

83
00:03:26,350 --> 00:03:24,110
ruled it's not within the jurisdiction

84
00:03:28,510 --> 00:03:26,360
of the health care Complaints Commission

85
00:03:31,770 --> 00:03:28,520
to issue public warnings against a

86
00:03:35,020 --> 00:03:31,780
prominent anti-vaccination group in July

87
00:03:37,210 --> 00:03:35,030
2010 the H Triple C issued a warning

88
00:03:39,339 --> 00:03:37,220

that the Australian vaccination network

89

00:03:42,250 --> 00:03:39,349

provided inaccurate and misleading

90

00:03:44,140 --> 00:03:42,260

information against vaccination it also

91

00:03:46,930 --> 00:03:44,150

accused the network of selectively

92

00:03:48,729 --> 00:03:46,940

quoting research out of context the

93

00:03:50,920 --> 00:03:48,739

network took the H Triple C to the

94

00:03:53,289 --> 00:03:50,930

supreme court to challenge the public

95

00:03:55,420 --> 00:03:53,299

warning today's decision said nothing

96

00:03:57,820 --> 00:03:55,430

about the accuracy of the information on

97

00:03:59,110 --> 00:03:57,830

the network's website the court did not

98

00:04:01,210 --> 00:03:59,120

overturn the new south wales

99

00:04:05,410 --> 00:04:01,220

government's decision to cancel the

100

00:04:10,089 --> 00:04:05,420

vaccination networks charity status well

101
00:04:12,070 --> 00:04:10,099
folks as you probably know by now the in

102
00:04:17,349 --> 00:04:12,080
the case of the Australian vaccination

103
00:04:18,879 --> 00:04:17,359
Network versus the HH Triple C the

104
00:04:21,370 --> 00:04:18,889
judgment was for the Australian

105
00:04:24,310 --> 00:04:21,380
vaccination network so not a good day

106
00:04:27,670 --> 00:04:24,320
for science and reason and medicine

107
00:04:29,980 --> 00:04:27,680
today sitting with me here in our little

108
00:04:31,960 --> 00:04:29,990
post-mortem in a little cafe we've just

109
00:04:34,860 --> 00:04:31,970
come out of the judge or the court case

110
00:04:37,690 --> 00:04:34,870
here's Peter ratbag without inch Peter

111
00:04:39,070 --> 00:04:37,700
yes morning no not there I say good

112
00:04:40,540 --> 00:04:39,080
morning good morning no that's good

113
00:04:43,000 --> 00:04:40,550

morning in the polite Senate rather than

114

00:04:45,820 --> 00:04:43,010

good morning individual sales not the

115

00:04:50,350 --> 00:04:45,830

result I was expecting I must say I

116

00:04:52,510 --> 00:04:50,360

thought that the case was all about

117

00:04:54,129 --> 00:04:52,520

H Triple C having jurisdiction to see

118

00:04:56,499 --> 00:04:54,139

these people providing health care and

119

00:04:57,879 --> 00:04:56,509

the judge didn't see that way it looks

120

00:04:59,529 --> 00:04:57,889

like we won't know we read the full

121

00:05:01,570 --> 00:04:59,539

judgement which will must be available

122

00:05:04,600 --> 00:05:01,580

zoom on the Supreme Court website later

123

00:05:06,159 --> 00:05:04,610

today it looks like she picked up the

124

00:05:08,709 --> 00:05:06,169

fact that the legislation specifically

125

00:05:10,629 --> 00:05:08,719

states he'd use the word individual it

126

00:05:12,249 --> 00:05:10,639

looks like she is interpreting the law

127

00:05:14,800 --> 00:05:12,259

of the legislation to moon but you have

128

00:05:15,969 --> 00:05:14,810

to be an affected individual before you

129

00:05:18,279 --> 00:05:15,979

can make a complaint about a health care

130

00:05:21,550 --> 00:05:18,289

provider and the people who made the

131

00:05:23,379 --> 00:05:21,560

complaints were affected by yeah the

132

00:05:26,589 --> 00:05:23,389

words of the Australian vaccination

133

00:05:29,290 --> 00:05:26,599

deadly so they'd say what you're saying

134

00:05:31,779 --> 00:05:29,300

is that because they had no grounds to

135

00:05:33,490 --> 00:05:31,789

make legal complaint here for the ACE

136

00:05:35,920 --> 00:05:33,500

Triple C had no grounds on which to do

137

00:05:39,159 --> 00:05:35,930

anything about go there it certainly

138

00:05:40,869 --> 00:05:39,169

appeared to me as though it was one a

139

00:05:44,399 --> 00:05:40,879

classic case of a legal technicality

140

00:05:47,439 --> 00:05:44,409

that's right a [h__\h] she did say in the

141

00:05:49,089 --> 00:05:47,449

discussion on Wednesday that she felt

142

00:05:51,999 --> 00:05:49,099

that it was a legislative forum and it's

143

00:05:53,529 --> 00:05:52,009

looking for yeah but we don't the job is

144

00:05:55,510 --> 00:05:53,539

to hit her job is to this twit the law

145

00:05:56,980 --> 00:05:55,520

as it stands I agree she couldn't just

146

00:05:59,079 --> 00:05:56,990

make up her own laws and say well but in

147

00:06:00,369 --> 00:05:59,089

this case I think this see her she can't

148

00:06:05,469 --> 00:06:00,379

she had to stick to the letter of the

149

00:06:09,159 --> 00:06:05,479

law yes I'll get feed her actual

150

00:06:10,390 --> 00:06:09,169

judgment later today and read it I would

151
00:06:12,399 --> 00:06:10,400
almost bet money on that's what she's

152
00:06:15,339 --> 00:06:12,409
saying all right the important message

153
00:06:17,529 --> 00:06:15,349
of course is that what the Australian

154
00:06:19,390 --> 00:06:17,539
vaccination network are doing is still

155
00:06:21,249 --> 00:06:19,400
wrong regardless of whatever ruling was

156
00:06:24,550 --> 00:06:21,259
made today about jurisdiction about one

157
00:06:26,110 --> 00:06:24,560
legal body or another and that we are

158
00:06:29,500 --> 00:06:26,120
not going to

159
00:06:32,730 --> 00:06:29,510
to stop our fight and letting people

160
00:06:36,219 --> 00:06:32,740
know that these people are anti vats and

161
00:06:38,680 --> 00:06:36,229
equipment that it's if we know what

162
00:06:39,850 --> 00:06:38,690
we've had a case here where it's been

163
00:06:42,430 --> 00:06:39,860

said that no action taken by a

164

00:06:43,780 --> 00:06:42,440

government department because there is

165

00:06:45,520 --> 00:06:43,790

still the other couple of Department the

166

00:06:47,710 --> 00:06:45,530

office of lipid gaming and raising that

167

00:06:51,040 --> 00:06:47,720

withdrawing the charity status now I

168

00:06:54,250 --> 00:06:51,050

think any idea that because the OLZ and

169

00:06:57,040 --> 00:06:54,260

I mentioned the H Triple C ruling and

170

00:06:59,290 --> 00:06:57,050

their warnings I think it was assumed

171

00:07:00,460 --> 00:06:59,300

that if this was overturned that the OLG

172

00:07:04,150 --> 00:07:00,470

and I would have to restore the charity

173

00:07:06,790 --> 00:07:04,160

status but i hope you what I syndrome

174

00:07:07,990 --> 00:07:06,800

from the routing of it is that our jury

175

00:07:10,560 --> 00:07:08,000

an hour simply added that to the pile

176

00:07:12,760 --> 00:07:10,570

they took action on the basis of

177

00:07:14,770 --> 00:07:12,770

accounting poor terrible collections

178

00:07:17,350 --> 00:07:14,780

wasn't done correctly and that hasn't

179

00:07:19,560 --> 00:07:17,360

gone away yes I ok so there are more

180

00:07:23,050 --> 00:07:19,570

things looming of course for the

181

00:07:24,969 --> 00:07:23,060

vaccination network look it is not as we

182

00:07:27,850 --> 00:07:24,979

said it's not the result I was expecting

183

00:07:29,379 --> 00:07:27,860

personally but then again I mean that's

184

00:07:33,640 --> 00:07:29,389

why she's the judge and I don't know the

185

00:07:34,960 --> 00:07:33,650

Lord and she does and we'll leave it at

186

00:07:37,930 --> 00:07:34,970

that because we're all just sort of

187

00:07:40,060 --> 00:07:37,940

twittering and going to have this have a

188

00:07:43,360 --> 00:07:40,070

coffee at the moment and think about

189

00:08:02,350 --> 00:07:43,370

this more but Meryl we're not giving up

190

00:08:10,650 --> 00:08:07,550

here's my not spooky action at the

191

00:08:14,980 --> 00:08:13,000

well here we get a favor to crank mail

192

00:08:20,110 --> 00:08:14,990

and we've got some crank mail right now

193

00:08:21,280 --> 00:08:20,120

crank mail great male crank from none

194

00:08:23,170 --> 00:08:21,290

other than the president of the

195

00:08:25,420 --> 00:08:23,180

Australian skeptics Iran said oh have

196

00:08:27,310 --> 00:08:25,430

you around I'm very good man out you

197

00:08:29,320 --> 00:08:27,320

picked a problem with this show dirty

198

00:08:32,140 --> 00:08:29,330

disbelievers when it was on over January

199

00:08:34,720 --> 00:08:32,150

in fact you said your email we are wrong

200

00:08:36,160 --> 00:08:34,730

wrong wrong it's wrong I believe is what

201
00:08:38,230 --> 00:08:36,170
you wrote something along those lines

202
00:08:40,030 --> 00:08:38,240
here make a few more words choice words

203
00:08:42,340 --> 00:08:40,040
to now what we were looking at was the

204
00:08:44,980 --> 00:08:42,350
thought experiment of Schrodinger's cat

205
00:08:48,160 --> 00:08:44,990
and we explained the thought experiment

206
00:08:51,220 --> 00:08:48,170
of Schrodinger's cat Schrodinger's cat

207
00:08:53,170 --> 00:08:51,230
is a hypothetical experiment in which we

208
00:08:55,960 --> 00:08:53,180
put a cat inside a box with some

209
00:08:58,810 --> 00:08:55,970
equipment which releases poisonous gas

210
00:09:02,170 --> 00:08:58,820
after say an hour you wouldn't know

211
00:09:04,600 --> 00:09:02,180
whether the cat is dead or alive as this

212
00:09:07,570 --> 00:09:04,610
can be known only by looking inside the

213
00:09:10,690 --> 00:09:07,580

box this is based on the assumption of

214

00:09:13,810 --> 00:09:10,700

probability and not the fact fact comes

215

00:09:17,290 --> 00:09:13,820

when we actually see inside the box till

216

00:09:21,940 --> 00:09:17,300

then it's all a guess confused so was

217

00:09:24,370 --> 00:09:21,950

the cat we got it wrong what do we get

218

00:09:27,640 --> 00:09:24,380

wrong well he was referred to as being

219

00:09:29,890 --> 00:09:27,650

not knowing until we observe kind of

220

00:09:31,750 --> 00:09:29,900

experiment then of course not knowing

221

00:09:34,030 --> 00:09:31,760

not knowing what the truth is until you

222

00:09:35,920 --> 00:09:34,040

actually observe it is sort of a truism

223

00:09:37,780 --> 00:09:35,930

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

224

00:09:39,760 --> 00:09:37,790

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

225

00:09:42,610 --> 00:09:39,770

definitely not what Schrodinger's cats

226

00:09:46,060 --> 00:09:42,620

thought experiment was meant to show so

227

00:09:48,730 --> 00:09:46,070

because the quantum state of the item is

228

00:09:50,560 --> 00:09:48,740

not known we don't know whether cat is

229

00:09:52,300 --> 00:09:50,570

dead / dead or alive so that that's

230

00:09:53,890 --> 00:09:52,310

basically the the essence of

231

00:09:56,590 --> 00:09:53,900

Schrodinger's cat expert thought

232

00:09:59,470 --> 00:09:56,600

experiment but I would maybe like to say

233

00:10:01,450 --> 00:09:59,480

a few words about the whole idea of what

234

00:10:03,640 --> 00:10:01,460

he means when we don't know about this

235

00:10:04,810 --> 00:10:03,650

the quantum state of the atom you think

236

00:10:06,880 --> 00:10:04,820

that New Age people sometime

237

00:10:09,130 --> 00:10:06,890

misinterpret the whole state of quantum

238

00:10:10,360 --> 00:10:09,140

knowing and not knowing absolutely and

239

00:10:12,070 --> 00:10:10,370

maybe I could say a few words about

240

00:10:15,130 --> 00:10:12,080

first of all quantum mechanics is very

241

00:10:16,540 --> 00:10:15,140

complex Richard Feynman Nobel laureate

242

00:10:18,640 --> 00:10:16,550

for his contributions to quantum

243

00:10:20,980 --> 00:10:18,650

mechanics once said I think I can safely

244

00:10:22,260 --> 00:10:20,990

say that nobody understands quantum

245

00:10:24,210 --> 00:10:22,270

mechanics each

246

00:10:25,920 --> 00:10:24,220

mean that we don't know how it works or

247

00:10:28,110 --> 00:10:25,930

that we don't know that it works because

248

00:10:30,450 --> 00:10:28,120

we definitely do it just remained it

249

00:10:33,000 --> 00:10:30,460

understand in the everyday sense of

250

00:10:34,770 --> 00:10:33,010

understanding as in feeling that we know

251

00:10:36,870 --> 00:10:34,780

what's happening in a sense a bit like

252

00:10:39,450 --> 00:10:36,880

knowing what we do understand why an

253

00:10:41,820 --> 00:10:39,460

Apple falls down from a tree and doesn't

254

00:10:44,220 --> 00:10:41,830

fall away at an angle so what he was

255

00:10:45,930 --> 00:10:44,230

saying is it's not intuitive basically

256

00:10:47,970 --> 00:10:45,940

what he was saying was basing intuition

257

00:10:50,190 --> 00:10:47,980

was not designed to take care of these

258

00:10:53,100 --> 00:10:50,200

things so you see the thing is we

259

00:10:55,350 --> 00:10:53,110

evolved to deal with the scales at our

260

00:10:56,820 --> 00:10:55,360

middle world you know middle size you

261

00:10:59,010 --> 00:10:56,830

know we're not too small not too large

262

00:11:01,620 --> 00:10:59,020

not too slow not too fast but we're not

263

00:11:03,150 --> 00:11:01,630

equipped to deal with those situations

264

00:11:04,800 --> 00:11:03,160

where things are very different it's not

265

00:11:08,040 --> 00:11:04,810

just about quantum mechanics for example

266

00:11:10,290 --> 00:11:08,050

in relativity when it deals with

267

00:11:12,780 --> 00:11:10,300

situations where things travel very very

268

00:11:14,940 --> 00:11:12,790

fast very close to the speed of light in

269

00:11:17,310 --> 00:11:14,950

really weird things happen then you know

270

00:11:18,480 --> 00:11:17,320

things grow larger and they grow heavier

271

00:11:21,150 --> 00:11:18,490

and there's all kinds of things that

272

00:11:22,770 --> 00:11:21,160

happen we and we don't understand it it

273

00:11:24,450 --> 00:11:22,780

seems counterintuitive because we do not

274

00:11:26,220 --> 00:11:24,460

travel at close to the speed of light

275

00:11:28,170 --> 00:11:26,230

and it's the same thing with quantum

276

00:11:29,850 --> 00:11:28,180

quantum mechanics it quantum mechanics

277

00:11:31,710 --> 00:11:29,860

deals with scales of up to a few atoms

278

00:11:34,020 --> 00:11:31,720

and all the way down to subatomic

279

00:11:35,490 --> 00:11:34,030

particles while classical mechanics

280

00:11:37,830 --> 00:11:35,500

deals with objects that are much larger

281

00:11:40,440 --> 00:11:37,840

you know humans and planets and all of

282

00:11:42,900 --> 00:11:40,450

those things how does us knowing or not

283

00:11:45,390 --> 00:11:42,910

knowing is that different from opening

284

00:11:46,950 --> 00:11:45,400

the box and looking I want to explain

285

00:11:48,450 --> 00:11:46,960

what's weird about quantum mechanics

286

00:11:50,550 --> 00:11:48,460

quantum mechanics is a probabilistic

287

00:11:52,170 --> 00:11:50,560

world I'll give you an analogy let's say

288

00:11:55,110 --> 00:11:52,180

that your car has a certain probability

289

00:11:57,990 --> 00:11:55,120

of being blue and another probability of

290

00:11:59,700 --> 00:11:58,000

being read we can't be sure until we

291

00:12:01,470 --> 00:11:59,710

measure the color of your car and

292

00:12:05,700 --> 00:12:01,480

measure is the word that scientists use

293

00:12:07,710 --> 00:12:05,710

to indicate a careful observation so we

294

00:12:09,270 --> 00:12:07,720

can't know that doesn't sound so weird

295

00:12:11,640 --> 00:12:09,280

the thing that's weird about quantum

296

00:12:14,640 --> 00:12:11,650

mechanics is that not only can we not be

297

00:12:17,970 --> 00:12:14,650

sure until we observe there is actually

298

00:12:20,430 --> 00:12:17,980

not a specific color until we observe in

299

00:12:24,690 --> 00:12:20,440

a sense you could say that the car is

300

00:12:26,900 --> 00:12:24,700

both blue and red until we observe so

301
00:12:29,580 --> 00:12:26,910
until we observe there is only a

302
00:12:31,230 --> 00:12:29,590
probability of the car being red and a

303
00:12:33,690 --> 00:12:31,240
probability of the car being blue but

304
00:12:36,270 --> 00:12:33,700
there isn't actually a specific color I

305
00:12:36,660 --> 00:12:36,280
ran this would then directly almost play

306
00:12:39,090 --> 00:12:36,670
in

307
00:12:41,430 --> 00:12:39,100
too much new age theory that the future

308
00:12:43,740 --> 00:12:41,440
can be predicted and there is it said

309
00:12:45,600 --> 00:12:43,750
this is so this sounds exactly like this

310
00:12:47,700 --> 00:12:45,610
makes a lot of things possible in the

311
00:12:49,830 --> 00:12:47,710
New Age world that's actually what

312
00:12:52,290 --> 00:12:49,840
shouting I was trying to show because

313
00:12:53,550 --> 00:12:52,300

the problem is with the concept of

314

00:12:56,460 --> 00:12:53,560

observation what does observation

315

00:12:58,380 --> 00:12:56,470

actually mean does the observer need to

316

00:13:00,570 --> 00:12:58,390

be The Observer need to be conscious for

317

00:13:02,730 --> 00:13:00,580

example does it need to be a human that

318

00:13:05,790 --> 00:13:02,740

understand what's going on or can it be

319

00:13:07,650 --> 00:13:05,800

a cat or can it be a rock New Age people

320

00:13:09,390 --> 00:13:07,660

for example very often refer to quantum

321

00:13:11,880 --> 00:13:09,400

mechanics in and they argue that we

322

00:13:13,440 --> 00:13:11,890

create our own reality but the problem

323

00:13:16,140 --> 00:13:13,450

with that is that it implies some

324

00:13:17,610 --> 00:13:16,150

ability to control the outcome or some

325

00:13:19,590 --> 00:13:17,620

conscious awareness of the subatomic

326

00:13:21,240 --> 00:13:19,600

level but that's nonsense that that's

327

00:13:23,010 --> 00:13:21,250

completely wrong that would be one of

328

00:13:25,260 --> 00:13:23,020

the theories exposed in what the bleep

329

00:13:26,880 --> 00:13:25,270

do we know and I think drew I think drew

330

00:13:28,770 --> 00:13:26,890

barrymore spends a lot of time every

331

00:13:30,510 --> 00:13:28,780

morning imagining what her day is going

332

00:13:31,920 --> 00:13:30,520

to be like I think her futures actually

333

00:13:34,290 --> 00:13:31,930

probably more influenced by the fact

334

00:13:36,630 --> 00:13:34,300

that she's the god daughter of Steven

335

00:13:38,070 --> 00:13:36,640

Spielberg that would have a greater

336

00:13:40,020 --> 00:13:38,080

effect on her future than watching

337

00:13:41,640 --> 00:13:40,030

thinks in the morning absolutely but you

338

00:13:44,070 --> 00:13:41,650

see what shredding go was trying to show

339

00:13:45,630 --> 00:13:44,080

was basically that we know that the cat

340

00:13:47,790 --> 00:13:45,640

is either really either dead or alive

341

00:13:49,320 --> 00:13:47,800

and not in some in-between State he

342

00:13:52,050 --> 00:13:49,330

actually says it in the paper where he

343

00:13:54,270 --> 00:13:52,060

wrote it actually says the cat isn't in

344

00:13:56,640 --> 00:13:54,280

an in-between State but if we take

345

00:13:58,110 --> 00:13:56,650

quantum mechanics to the extreme then we

346

00:14:00,060 --> 00:13:58,120

could say that it is what he was

347

00:14:02,220 --> 00:14:00,070

basically trying to show is that there

348

00:14:04,500 --> 00:14:02,230

is a problem about where does the

349

00:14:07,530 --> 00:14:04,510

microscale the small-scale that which

350

00:14:09,570 --> 00:14:07,540

quantum mechanics applies end and the

351
00:14:11,760 --> 00:14:09,580
macro scale at which we can which we can

352
00:14:14,610 --> 00:14:11,770
call an observer end and therefore when

353
00:14:16,620 --> 00:14:14,620
if the cat interacts with the quantum

354
00:14:18,690 --> 00:14:16,630
level then the head will actually be

355
00:14:21,030 --> 00:14:18,700
dead or alive the cat will be the

356
00:14:23,700 --> 00:14:21,040
observer the cat will be that observers

357
00:14:26,010 --> 00:14:23,710
that actually changes the atom from

358
00:14:27,390 --> 00:14:26,020
being in both state at the same time by

359
00:14:29,970 --> 00:14:27,400
the way that the word for that is super

360
00:14:32,160 --> 00:14:29,980
position it will change it from being in

361
00:14:35,370 --> 00:14:32,170
a superposition of two different states

362
00:14:37,140 --> 00:14:35,380
to the one state basically what we what

363
00:14:39,870 --> 00:14:37,150

we were saying that was incorrect was

364

00:14:42,750 --> 00:14:39,880

what we were probably miss representing

365

00:14:44,760 --> 00:14:42,760

or misunderstanding the essence of the

366

00:14:46,560 --> 00:14:44,770

experiment it was not to show that we

367

00:14:49,800 --> 00:14:46,570

can't know until we tell he was all

368

00:14:50,519 --> 00:14:49,810

about the difference between the state

369

00:14:52,470 --> 00:14:50,529

of super

370

00:14:55,829 --> 00:14:52,480

position that exists at the quantum

371

00:14:58,710 --> 00:14:55,839

level and the state of of specific

372

00:15:00,600 --> 00:14:58,720

situations specific knowing that exists

373

00:15:02,489 --> 00:15:00,610

at the macro level so where is a good

374

00:15:04,559 --> 00:15:02,499

place to go and read up on this now I

375

00:15:06,269 --> 00:15:04,569

would suggest that Wikipedia would not

376

00:15:08,519 --> 00:15:06,279

be the place to go because it's far too

377

00:15:10,230 --> 00:15:08,529

condensed and a little bit confusing

378

00:15:12,059 --> 00:15:10,240

because of it being condensed where is a

379

00:15:13,829 --> 00:15:12,069

good place to go to learn more about

380

00:15:16,499 --> 00:15:13,839

this superposition and things like that

381

00:15:18,720 --> 00:15:16,509

give you a website where I found

382

00:15:21,480 --> 00:15:18,730

information that I thought was very

383

00:15:27,929 --> 00:15:21,490

useful it was easy to read and the

384

00:15:33,030 --> 00:15:27,939

website is WWMT en masse without the

385

00:15:34,710 --> 00:15:33,040

nest at the end com / cat dot HTML up we

386

00:15:36,869 --> 00:15:34,720

won't even get started on string theory

387

00:15:39,689 --> 00:15:36,879

will we know I don't think we should

388

00:15:41,400 --> 00:15:39,699

president of the Australian skeptics and

389

00:15:42,629 --> 00:15:41,410

and a guy who knows what he's talking

390

00:15:59,020 --> 00:15:42,639

about and isn't scared to let you know

391

00:16:03,100 --> 00:16:01,720

I'm Eugenie Scott executive director of

392

00:16:06,100 --> 00:16:03,110

the National Center for Science

393

00:16:07,900 --> 00:16:06,110

Education in Oakland California we

394

00:16:09,700 --> 00:16:07,910

defend and support the teaching of

395

00:16:11,590 --> 00:16:09,710

evolution and climate change when it

396

00:16:13,720 --> 00:16:11,600

comes under attack for religious and

397

00:16:16,150 --> 00:16:13,730

political reasons we help teachers

398

00:16:18,790 --> 00:16:16,160

parents school boards and other citizens

399

00:16:22,360 --> 00:16:18,800

defend good science in the schools come

400

00:16:24,910 --> 00:16:22,370

visit us at NCSE calm and on youtube and

401
00:16:27,490 --> 00:16:24,920
facebook and let us know if science

402
00:16:34,720 --> 00:16:27,500
comes under attack in your community we

403
00:16:46,460 --> 00:16:38,090
join us now for drinking skeptically in

404
00:16:48,830 --> 00:16:46,470
the think tank I think one of the things

405
00:16:51,830 --> 00:16:48,840
that has taken my attention today folks

406
00:16:54,500 --> 00:16:51,840
as we start this think tank is there is

407
00:16:56,950 --> 00:16:54,510
another tank in this very room if we

408
00:17:02,360 --> 00:16:56,960
look over there and it's a tank full of

409
00:17:04,070 --> 00:17:02,370
noms lobsters folks yes in our think

410
00:17:05,270 --> 00:17:04,080
tank here at our favorite club down the

411
00:17:07,400 --> 00:17:05,280
end of the street and the Chinese

412
00:17:10,550 --> 00:17:07,410
restaurant there is now a giant tank

413
00:17:11,990 --> 00:17:10,560

full of giant lobsters ready to go I

414

00:17:14,090 --> 00:17:12,000

think next time we'll have to order some

415

00:17:16,070 --> 00:17:14,100

dr. ray Jean I know I don't they look um

416

00:17:17,600 --> 00:17:16,080

well I should I feel a bit sorry for

417

00:17:20,600 --> 00:17:17,610

them maybe we should just non them but

418

00:17:21,830 --> 00:17:20,610

now their misery conversation with them

419

00:17:23,360 --> 00:17:21,840

so don't know that you'd really want to

420

00:17:26,540 --> 00:17:23,370

nom them what do you mean have a

421

00:17:28,450 --> 00:17:26,550

conversation with him it's like in The

422

00:17:31,520 --> 00:17:28,460

Hitchhiker's Guide let's meet the meet

423

00:17:36,530 --> 00:17:31,530

and it's good to see you meeting us here

424

00:17:40,970 --> 00:17:36,540

Joe Benna me I return nice to be back

425

00:17:44,360 --> 00:17:40,980

thank you and a welcome sight indeed

426
00:17:47,150 --> 00:17:44,370
tonight is the happy smiling face of yes

427
00:17:49,190 --> 00:17:47,160
may not hello everybody and I want to

428
00:17:52,490 --> 00:17:49,200
thank on behalf of myself and you and

429
00:17:54,350 --> 00:17:52,500
dr. H E and Jay cats everyone who tuned

430
00:17:57,260 --> 00:17:54,360
in to the do disbelievers downloaded it

431
00:18:01,250 --> 00:17:57,270
and gave us support to the ABC it's got

432
00:18:03,890 --> 00:18:01,260
us absolutely nowhere but the show

433
00:18:05,750 --> 00:18:03,900
hasn't been renewed or anything but you

434
00:18:07,250 --> 00:18:05,760
never know yeah it was great you look it

435
00:18:09,080 --> 00:18:07,260
was great fun and if anyone has any

436
00:18:11,090 --> 00:18:09,090
power with the ABC we'd love it would

437
00:18:13,220 --> 00:18:11,100
love to do that show all the time it was

438
00:18:15,380 --> 00:18:13,230

it was a real pleasure to go into the

439

00:18:17,360 --> 00:18:15,390

studios you know and two out of the

440

00:18:18,360 --> 00:18:17,370

three weeks we got studios to work in

441

00:18:20,400 --> 00:18:18,370

and everything

442

00:18:22,080 --> 00:18:20,410

and we only got kicked out the once and

443

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

it just it just goes to show what you

444

00:18:26,340 --> 00:18:23,890

can do when when someone accidentally

445

00:18:28,680 --> 00:18:26,350

puts a tick next to your name I quite

446

00:18:32,040 --> 00:18:28,690

like that lat last studio we ended up in

447

00:18:33,510 --> 00:18:32,050

was very cozy it was a sports to do but

448

00:18:35,040 --> 00:18:33,520

i must thinking about of the ABC and

449

00:18:36,810 --> 00:18:35,050

helping us out with that and an hour

450

00:18:38,610 --> 00:18:36,820

inside man who was great for the whole

451

00:18:40,320 --> 00:18:38,620

thing it really wears you everyone for

452

00:18:42,930 --> 00:18:40,330

listening and shooting it's always good

453

00:18:46,620 --> 00:18:42,940

to have somebody on the inside what was

454

00:18:48,720 --> 00:18:46,630

that pretty yeah I'm the scottish guy

455

00:18:50,190 --> 00:18:48,730

yeah Thank You Scottish producer Thank

456

00:18:52,770 --> 00:18:50,200

You Scottish producer otherwise known as

457

00:18:56,460 --> 00:18:52,780

the man behind the curtain it was I did

458

00:19:01,650 --> 00:18:56,470

you do it it was it's not a bus

459

00:19:03,780 --> 00:19:01,660

announcement it's somebody who's won the

460

00:19:06,600 --> 00:19:03,790

chance to win some money they're having

461

00:19:09,450 --> 00:19:06,610

a raffle or southern here folks here on

462

00:19:11,720 --> 00:19:09,460

circuit hello hello Richard back again

463

00:19:14,160 --> 00:19:11,730

and it's not us who were winning the

464

00:19:16,049 --> 00:19:14,170

8888 dollars today was and we were

465

00:19:19,290 --> 00:19:16,059

losing roughly that amount I think we

466

00:19:21,299 --> 00:19:19,300

are and never a loser its Stefan Soyka

467

00:19:24,299 --> 00:19:21,309

Richard it's great to be here for a

468

00:19:25,740 --> 00:19:24,309

change in the think tank and I think

469

00:19:27,540 --> 00:19:25,750

it's forgive that other tank they I was

470

00:19:29,669 --> 00:19:27,550

actually wondering if those lobsters are

471

00:19:32,280 --> 00:19:29,679

intelligent enough to appreciate that

472

00:19:34,290 --> 00:19:32,290

even though their fate is sealed while

473

00:19:37,020 --> 00:19:34,300

they're waiting in that tank there there

474

00:19:38,580 --> 00:19:37,030

it's a lot of stress free life compared

475

00:19:39,660 --> 00:19:38,590

to life in the wild because when they're

476

00:19:41,250 --> 00:19:39,670

out in the wild there's lots of

477

00:19:42,750 --> 00:19:41,260

predators and stuff so that should

478

00:19:45,419 --> 00:19:42,760

actually be quite chilled and relaxed

479

00:19:46,890 --> 00:19:45,429

they're awaiting their fate because

480

00:19:49,169 --> 00:19:46,900

obviously when it comes it's all over

481

00:19:51,419 --> 00:19:49,179

for them but right now they should be

482

00:19:55,080 --> 00:19:51,429

very cool Stefan here they can see all

483

00:19:57,299 --> 00:19:55,090

their predators in the neck nature that

484

00:19:59,400 --> 00:19:57,309

you think is well like I very highly

485

00:20:00,720 --> 00:19:59,410

stressed they're looking happy enough to

486

00:20:02,549 --> 00:20:00,730

look into pockets there they are they're

487

00:20:04,860 --> 00:20:02,559

moving around now look they've heard us

488

00:20:06,909 --> 00:20:04,870

look at that city by our until I think

489

00:20:09,609 --> 00:20:06,919

they're trying to escape

490

00:20:10,960 --> 00:20:09,619

happy lobsters well we'll be happily

491

00:20:12,879 --> 00:20:10,970

eating those lobsters maybe in a couple

492

00:20:16,330 --> 00:20:12,889

of weeks I don't know a lot to get

493

00:20:17,950 --> 00:20:16,340

through on tonight's think tank now the

494

00:20:20,320 --> 00:20:17,960

strange thing is of course we are

495

00:20:21,609 --> 00:20:20,330

recording this on a Thursday evening not

496

00:20:23,830 --> 00:20:21,619

just any Thursday evening its

497

00:20:26,049 --> 00:20:23,840

international Howard Jones day it's his

498

00:20:27,340 --> 00:20:26,059

birthday today yes the man who recorded

499

00:20:29,379 --> 00:20:27,350

what is love things can only get better

500

00:20:31,269 --> 00:20:29,389

and like to get you know you will and is

501
00:20:32,710 --> 00:20:31,279
often confused with nik kershaw it's his

502
00:20:33,820 --> 00:20:32,720
birthday today that's probably last

503
00:20:37,749 --> 00:20:33,830
you'll hear from me the think tank

504
00:20:40,989 --> 00:20:37,759
tonight an interesting fact about that

505
00:20:43,029 --> 00:20:40,999
man and he's played here I've seen him

506
00:20:45,070 --> 00:20:43,039
play here at this video at this venue

507
00:20:48,249 --> 00:20:45,080
yeah this menu I came and saw him here

508
00:20:49,930 --> 00:20:48,259
about two years ago it's what and

509
00:20:51,519 --> 00:20:49,940
bringing up the subject of thursday is

510
00:20:53,109 --> 00:20:51,529
that we're recording this on a thursday

511
00:20:57,399 --> 00:20:53,119
night and tomorrow morning friday

512
00:20:59,739 --> 00:20:57,409
morning the decision gets handed down in

513
00:21:02,799 --> 00:20:59,749

the court case the Australian

514

00:21:05,649 --> 00:21:02,809

vaccination network vs the H Triple C

515

00:21:08,950 --> 00:21:05,659

dr. H E yeah this has been going on for

516

00:21:12,009 --> 00:21:08,960

a while this resulted because the H

517

00:21:14,409 --> 00:21:12,019

Triple C in July 2010 issued a public

518

00:21:17,289 --> 00:21:14,419

warning a public health warning about

519

00:21:18,940 --> 00:21:17,299

the avian because they investigated

520

00:21:20,739 --> 00:21:18,950

their website for over 12 months and

521

00:21:22,930 --> 00:21:20,749

determined that their information was

522

00:21:25,509 --> 00:21:22,940

misleading they cherry-picked research

523

00:21:26,950 --> 00:21:25,519

to make vaccines look bad and they were

524

00:21:31,389 --> 00:21:26,960

purely providing anti-vaccination

525

00:21:33,669 --> 00:21:31,399

information now the avian obviously

526

00:21:35,169 --> 00:21:33,679

weren't happy with this so they

527

00:21:37,570 --> 00:21:35,179

challenged this decision in the Supreme

528

00:21:40,690 --> 00:21:37,580

Court and the case has been going on now

529

00:21:44,859 --> 00:21:40,700

for over six months yeah maybe eight

530

00:21:48,789 --> 00:21:44,869

months a long time the final hearing was

531

00:21:51,609 --> 00:21:48,799

on Wednesday yesterday where it's now

532

00:21:53,440 --> 00:21:51,619

come down to semantics it was the

533

00:21:55,960 --> 00:21:53,450

barristers arguing for three and a half

534

00:21:59,619 --> 00:21:55,970

to four hours about the definition of

535

00:22:02,830 --> 00:21:59,629

the term each in section 7 B of the

536

00:22:05,259 --> 00:22:02,840

Public Health Act of 1993 where it

537

00:22:07,570 --> 00:22:05,269

states something along the lines of the

538

00:22:10,930 --> 00:22:07,580

clause is something about the

539

00:22:13,570 --> 00:22:10,940

information must demonstrate that it has

540

00:22:16,749 --> 00:22:13,580

harmed somebody or harmed caused harm to

541

00:22:18,940 --> 00:22:16,759

eat right so how do you interpret each

542

00:22:20,230 --> 00:22:18,950

is a person in particular like an

543

00:22:23,320 --> 00:22:20,240

individual person

544

00:22:26,110 --> 00:22:23,330

is it the public is it an organization

545

00:22:28,600 --> 00:22:26,120

so essentially the judge was saying to

546

00:22:29,890 --> 00:22:28,610

the barrister for the H Triple C you

547

00:22:32,740 --> 00:22:29,900

need to demonstrate that this

548

00:22:34,840 --> 00:22:32,750

information has influenced each whether

549

00:22:37,360 --> 00:22:34,850

that be one person's decision to not

550

00:22:39,070 --> 00:22:37,370

vaccinate or a bunch of people's

551

00:22:40,780 --> 00:22:39,080

decisions so it was three and a half

552

00:22:43,570 --> 00:22:40,790

hours of semantics about the meaning of

553

00:22:46,390 --> 00:22:43,580

the term each I guess it's like come was

554

00:22:48,040 --> 00:22:46,400

it Clinton messaging and in fact it was

555

00:22:51,370 --> 00:22:48,050

the same word they are good about there

556

00:22:53,620 --> 00:22:51,380

was the meaning of it was that yeah okay

557

00:22:55,690 --> 00:22:53,630

well that's what it was yesterday it or

558

00:22:59,500 --> 00:22:55,700

is it was 11 i think it was is with

559

00:23:01,720 --> 00:22:59,510

clinton so anyway the judge who was

560

00:23:02,860 --> 00:23:01,730

presiding yesterday is a new judge in

561

00:23:06,340 --> 00:23:02,870

the Supreme Court she's only just

562

00:23:08,560 --> 00:23:06,350

recently been appointed the judge you

563

00:23:10,660 --> 00:23:08,570

see they say she so that's not center

564

00:23:12,880 --> 00:23:10,670

that was there the first time judge this

565

00:23:17,080 --> 00:23:12,890

is a brand-new judge who only came in on

566

00:23:19,900 --> 00:23:17,090

Wednesday so the decision will be handed

567

00:23:21,940 --> 00:23:19,910

down tomorrow morning but I wasn't there

568

00:23:23,860 --> 00:23:21,950

but I have information from people who

569

00:23:26,740 --> 00:23:23,870

were one of the things that was

570

00:23:30,760 --> 00:23:26,750

interesting is that she picked up on the

571

00:23:33,010 --> 00:23:30,770

the whole idea that the avn perceiving

572

00:23:34,690 --> 00:23:33,020

the judge she been the judge that the

573

00:23:37,480 --> 00:23:34,700

ABN pushed that they're pro-choice not

574

00:23:39,549 --> 00:23:37,490

anti-vaccine and she mentioned three

575

00:23:41,400 --> 00:23:39,559

times that they sell a t-shirt called

576

00:23:45,310 --> 00:23:41,410

love them protect them never inject them

577

00:23:48,910 --> 00:23:45,320

and at one point she actually said in

578

00:23:51,490 --> 00:23:48,920

court the judge said why are you so coy

579

00:23:53,770 --> 00:23:51,500

or shy about being upfront about what

580

00:23:54,970 --> 00:23:53,780

you do basically saying how come you

581

00:23:58,169 --> 00:23:54,980

don't want to admit that you're

582

00:24:00,640 --> 00:23:58,179

anti-vaccine like what's wrong with that

583

00:24:02,950 --> 00:24:00,650

so she she picked up on that quite a few

584

00:24:06,130 --> 00:24:02,960

times one of the funniest things that

585

00:24:08,680 --> 00:24:06,140

happened was that during closing the

586

00:24:10,240 --> 00:24:08,690

barrister for the avn asked if meryl's

587

00:24:15,010 --> 00:24:10,250

testimony could be struck from the

588

00:24:17,650 --> 00:24:15,020

record if it could be determined to be

589

00:24:21,250 --> 00:24:17,660

inadmissible and the judge just laughed

590

00:24:22,570 --> 00:24:21,260

and said no because one of the things

591

00:24:23,910 --> 00:24:22,580

that's happened throughout the course of

592

00:24:26,440 --> 00:24:23,920

these hearings is that Merrill

593

00:24:28,150 --> 00:24:26,450

originally the reason that they

594

00:24:30,880 --> 00:24:28,160

originally went into this case was

595

00:24:32,870 --> 00:24:30,890

because Merrill deems that they were not

596

00:24:35,030 --> 00:24:32,880

a health care provider

597

00:24:36,860 --> 00:24:35,040

she said therefore the H Triple C does

598

00:24:40,040 --> 00:24:36,870

not have jurisdiction over us they can't

599

00:24:42,080 --> 00:24:40,050

make any laws about us right when she

600

00:24:45,440 --> 00:24:42,090

was in court under oath she admitted she

601
00:24:47,030 --> 00:24:45,450
was a health care provider so the first

602
00:24:50,240 --> 00:24:47,040
one that's the one that I attended she

603
00:24:53,030 --> 00:24:50,250
admitted that it very quickly the first

604
00:24:56,750 --> 00:24:53,040
time around was it now on close to six

605
00:24:59,360 --> 00:24:56,760
months ago they started talking about

606
00:25:01,820 --> 00:24:59,370
some technicalities like this section 7

607
00:25:04,730 --> 00:25:01,830
B or whatever under whether the content

608
00:25:06,320 --> 00:25:04,740
the way the complaint was dealt with was

609
00:25:07,730 --> 00:25:06,330
appropriate it was nothing to do with

610
00:25:10,790 --> 00:25:07,740
being a health care provider or will

611
00:25:12,410 --> 00:25:10,800
being pro-choice or auntie vax was

612
00:25:16,160 --> 00:25:12,420
always right from the beginning about

613
00:25:18,230 --> 00:25:16,170

technical legal technicalities I think

614

00:25:19,910 --> 00:25:18,240

that maybe is why her barrister ask her

615

00:25:23,240 --> 00:25:19,920

evidence to be struck from the record

616

00:25:24,860 --> 00:25:23,250

because she has said some stuff that has

617

00:25:28,460 --> 00:25:24,870

really put herself in the [h__h] as you

618

00:25:30,920 --> 00:25:28,470

like to say in Australia but the judge

619

00:25:33,680 --> 00:25:30,930

didn't allow that the judge said no that

620

00:25:35,090 --> 00:25:33,690

will not happen so yeah ten o'clock

621

00:25:38,210 --> 00:25:35,100

tomorrow morning is when the decision

622

00:25:40,220 --> 00:25:38,220

will be passed down it's very difficult

623

00:25:42,590 --> 00:25:40,230

to know at this point which way it could

624

00:25:44,240 --> 00:25:42,600

go I guess by the time this podcast goes

625

00:25:47,120 --> 00:25:44,250

out everyone will know the strange thing

626

00:25:49,610 --> 00:25:47,130

is of course at the top of the show near

627

00:25:51,830 --> 00:25:49,620

the beginning of that today's show we

628

00:25:54,620 --> 00:25:51,840

know we know yeah we all know unlike all

629

00:25:56,570 --> 00:25:54,630

the others so but as recording we don't

630

00:25:58,610 --> 00:25:56,580

however it is scheduled for tomorrow

631

00:26:00,860 --> 00:25:58,620

morning but also things do get bumped

632

00:26:05,810 --> 00:26:00,870

from the Supreme Court so at this stage

633

00:26:08,250 --> 00:26:05,820

is going ahead but it depends yeah yeah

634

00:26:10,890 --> 00:26:08,260

what was that that was the lobsters

635

00:26:13,380 --> 00:26:10,900

trying to escape I think so enjoyed

636

00:26:14,940 --> 00:26:13,390

mission as a as a thing will will just

637

00:26:20,160 --> 00:26:14,950

disappear off the planet no no one will

638

00:26:21,930 --> 00:26:20,170

ever have to be vaccine never again the

639

00:26:24,660 --> 00:26:21,940

next next step is fluoride in the water

640

00:26:26,370 --> 00:26:24,670

and then and then sunblock you know

641

00:26:28,500 --> 00:26:26,380

these people are also get rid of the

642

00:26:29,790 --> 00:26:28,510

people who rail against sunblock say

643

00:26:31,200 --> 00:26:29,800

it's poison that we're putting on our

644

00:26:32,970 --> 00:26:31,210

skin and everything we got him we got to

645

00:26:36,090 --> 00:26:32,980

put our turn our water pipes back in the

646

00:26:37,890 --> 00:26:36,100

lid I think that was something put out

647

00:26:40,320 --> 00:26:37,900

by the Cancer Council recently we said

648

00:26:42,150 --> 00:26:40,330

that they would concern that it was to

649

00:26:44,280 --> 00:26:42,160

do with people's fear of nanoparticles

650

00:26:47,210 --> 00:26:44,290

in sunscreen the council council are

651
00:26:50,300 --> 00:26:47,220
genuinely concerned that some of those

652
00:26:53,100 --> 00:26:50,310
scare mongering is actually gaining

653
00:26:55,290 --> 00:26:53,110
traction that there are more and more

654
00:26:56,910 --> 00:26:55,300
people who are concerned about the

655
00:26:59,820 --> 00:26:56,920
health effects of nanoparticles in

656
00:27:02,130 --> 00:26:59,830
sunscreen and are not using sunscreen as

657
00:27:03,780 --> 00:27:02,140
a result or or trying other things and

658
00:27:05,670 --> 00:27:03,790
the cancer council actually you know

659
00:27:08,160 --> 00:27:05,680
felt that it was something that was

660
00:27:09,660 --> 00:27:08,170
actually worth looking into an actual

661
00:27:13,620 --> 00:27:09,670
and putting the message out there that

662
00:27:15,330 --> 00:27:13,630
there you know the risks the small risks

663
00:27:17,910 --> 00:27:15,340

which at this point they don't even know

664

00:27:19,710 --> 00:27:17,920

where there are outweighed by the

665

00:27:21,360 --> 00:27:19,720

benefits of wearing sunscreen it's a

666

00:27:23,820 --> 00:27:21,370

pretty big no-brainer isn't it

667

00:27:25,830 --> 00:27:23,830

no-brainer not exactly like nanobots

668

00:27:28,770 --> 00:27:25,840

that go tunneling tunneling through your

669

00:27:31,050 --> 00:27:28,780

flesh you know they give in to you in

670

00:27:33,120 --> 00:27:31,060

motor neurons and make you walk like a

671

00:27:35,610 --> 00:27:33,130

dig them with the little mini shovels

672

00:27:37,410 --> 00:27:35,620

bender and in futurama did you see the

673

00:27:39,750 --> 00:27:37,420

one way it makes little clones of

674

00:27:42,090 --> 00:27:39,760

himself right down to nectar microscopic

675

00:27:45,620 --> 00:27:42,100

cancer but you know who used as

676
00:27:49,170 --> 00:27:45,630
sunscreens Joan wait to hear this segue

677
00:27:50,850 --> 00:27:49,180
celebrities like using sunscreen and

678
00:27:54,810 --> 00:27:50,860
speaking of celebrity right hands and

679
00:27:57,180 --> 00:27:54,820
goodness knows what else um so I a lot

680
00:28:02,580 --> 00:27:57,190
of people who read respectful insolence

681
00:28:04,230 --> 00:28:02,590
the wonderful blog by Iraq might have

682
00:28:07,440 --> 00:28:04,240
seen the post over the last couple of

683
00:28:10,650 --> 00:28:07,450
days about my Envy Alec the actress who

684
00:28:11,730 --> 00:28:10,660
plays any Farrah Fowler on on Big Bang

685
00:28:17,460 --> 00:28:11,740
Theory

686
00:28:21,480 --> 00:28:17,470
and the actress mine bialik actually has

687
00:28:23,250 --> 00:28:21,490
a PhD in neuroscience and it turns out

688
00:28:26,520 --> 00:28:23,260

that despite this scientific background

689

00:28:28,710 --> 00:28:26,530

she is heavily heavily into alternative

690

00:28:31,140 --> 00:28:28,720

treatments and goodness knows what she

691

00:28:33,830 --> 00:28:31,150

is she's involved with an organization

692

00:28:36,450 --> 00:28:33,840

called the holistic moms network and

693

00:28:38,190 --> 00:28:36,460

some of the people who are on the board

694

00:28:42,030 --> 00:28:38,200

of this organization include barbara lee

695

00:28:44,700 --> 00:28:42,040

fisher and a lot of prominent names from

696

00:28:47,340 --> 00:28:44,710

you know auntie vax groups and all sorts

697

00:28:49,200 --> 00:28:47,350

of whoo um now aside from the fact that

698

00:28:51,570 --> 00:28:49,210

I was you know a little bit irked by

699

00:28:54,360 --> 00:28:51,580

this I i I'd really enjoy the show and I

700

00:28:56,220 --> 00:28:54,370

and you know I kind of knowing a bit

701
00:28:57,900 --> 00:28:56,230
about her background in science I

702
00:29:00,720 --> 00:28:57,910
thought it was quite inspiring that this

703
00:29:02,310 --> 00:29:00,730
actress who was in the show also had a

704
00:29:04,460 --> 00:29:02,320
science background and that was a great

705
00:29:07,380 --> 00:29:04,470
thing so to find out that in fact she is

706
00:29:09,060 --> 00:29:07,390
incredibly into all sorts of weird

707
00:29:10,530 --> 00:29:09,070
wonderful things she's actually I read

708
00:29:12,000 --> 00:29:10,540
an article where she was quoted as

709
00:29:13,730 --> 00:29:12,010
saying that they are a non vaccinating

710
00:29:16,200 --> 00:29:13,740
family I just got a number of children

711
00:29:18,180 --> 00:29:16,210
they've got me thinking not so much

712
00:29:20,850 --> 00:29:18,190
about her specifically but just

713
00:29:24,000 --> 00:29:20,860

generally about celebrities and their

714

00:29:27,360 --> 00:29:24,010

weird beliefs and at what point do we

715

00:29:29,400 --> 00:29:27,370

how do we respond to these things as you

716

00:29:31,200 --> 00:29:29,410

know people who enjoy movies and music

717

00:29:33,240 --> 00:29:31,210

and so on when when a celebrity who we

718

00:29:36,090 --> 00:29:33,250

admire in one way or another we find out

719

00:29:38,130 --> 00:29:36,100

that they have let us down in some way

720

00:29:41,310 --> 00:29:38,140

with their beliefs what do we do about

721

00:29:44,850 --> 00:29:41,320

that because you know Tom Cruise for

722

00:29:46,830 --> 00:29:44,860

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

723

00:29:49,770 --> 00:29:46,840

that the man is in because he irks me so

724

00:29:51,510 --> 00:29:49,780

much but is it really worth the silent

725

00:29:53,250 --> 00:29:51,520

protest of not paying the money to see a

726

00:29:57,110 --> 00:29:53,260

Tom Cruise movie give myself the

727

00:30:02,540 --> 00:29:59,390

can I ride need to watch a movie with

728

00:30:04,460 --> 00:30:02,550

ginger ever my god I kind of a day to

729

00:30:07,850 --> 00:30:04,470

watch a porno with Jenny McCarthy again

730

00:30:11,150 --> 00:30:07,860

oh yeah shall we get the unofficial ones

731

00:30:13,850 --> 00:30:11,160

and they good beside what about the

732

00:30:16,220 --> 00:30:13,860

simpsons dishes i love the simpsons

733

00:30:20,090 --> 00:30:16,230

can't you go absolutely i know when i

734

00:30:21,830 --> 00:30:20,100

found that out again it irked me now it

735

00:30:24,230 --> 00:30:21,840

just I wonder what your thought about

736

00:30:27,140 --> 00:30:24,240

those sort of little protests are those

737

00:30:28,960 --> 00:30:27,150

little protests worthwhile does it those

738

00:30:31,549 --> 00:30:28,970

are is it really worth the effort to

739

00:30:32,960 --> 00:30:31,559

kind of make those silent protests or

740

00:30:34,610 --> 00:30:32,970

you know when it comes to something like

741

00:30:35,810 --> 00:30:34,620

Jenny McCarthy and the vaccination issue

742

00:30:37,070 --> 00:30:35,820

that's how that we can really get our

743

00:30:38,690 --> 00:30:37,080

teeth into because we're dealing with

744

00:30:40,430 --> 00:30:38,700

the bigger issue when you've got some

745

00:30:42,919 --> 00:30:40,440

celebrity who just happens to use a

746

00:30:45,830 --> 00:30:42,929

particular you know practices Kabbalah

747

00:30:47,450 --> 00:30:45,840

or something like that oh you know when

748

00:30:49,610 --> 00:30:47,460

do we make the protests where does it

749

00:30:55,040 --> 00:30:49,620

start engaging on your enjoyment as

750

00:30:57,440 --> 00:30:55,050

movie esters CDs esta then you know

751

00:31:00,560 --> 00:30:57,450

where stir is that's Madonna's Hebrew

752

00:31:03,890 --> 00:31:00,570

name are you telling us you bought them

753

00:31:08,030 --> 00:31:03,900

before yeah I thought it was like it's

754

00:31:09,710 --> 00:31:08,040

an ethyl like Ethel Merman know that

755

00:31:11,900 --> 00:31:09,720

disco album thurs I never bought another

756

00:31:13,549 --> 00:31:11,910

one Donna's laganas Hebrew name because

757

00:31:16,190 --> 00:31:13,559

she's a caballus Madonna's Hebrew name

758

00:31:19,340 --> 00:31:16,200

is Esther and not only actually speaking

759

00:31:21,380 --> 00:31:19,350

of Hebrew names Mine bialik mine is my

760

00:31:23,270 --> 00:31:21,390

be like as a Hebrew name and my means

761

00:31:26,600 --> 00:31:23,280

water but it's not a common name it's a

762

00:31:30,770 --> 00:31:26,610

little bit like a woman named storm so

763

00:31:33,020 --> 00:31:30,780

you know hey tell that there would be

764

00:31:35,350 --> 00:31:33,030

were there in a way they're kind of

765

00:31:38,360 --> 00:31:35,360

doing doing the world a service by

766

00:31:39,890 --> 00:31:38,370

demystifying celebrity by being so so

767

00:31:42,230 --> 00:31:39,900

silly in those sort of ways they're

768

00:31:46,100 --> 00:31:42,240

actually taking themselves down a few a

769

00:31:47,630 --> 00:31:46,110

few pegs because really big celebrities

770

00:31:48,980 --> 00:31:47,640

held up sites but all they are is

771

00:31:52,910 --> 00:31:48,990

they're just very good at memorizing

772

00:31:55,100 --> 00:31:52,920

lines and repeating them with some kind

773

00:31:57,890 --> 00:31:55,110

of expression and some kind of sound

774

00:32:00,680 --> 00:31:57,900

while the cameras running and you know

775

00:32:02,360 --> 00:32:00,690

just people who have jobs and those jobs

776

00:32:04,370 --> 00:32:02,370

happen to me memorizing

777

00:32:05,990 --> 00:32:04,380

and and making the famous right and and

778

00:32:08,000 --> 00:32:06,000

B but actually that's not that's not

779

00:32:09,740 --> 00:32:08,010

just the case because since about

780

00:32:11,990 --> 00:32:09,750

science which is the UK charity that

781

00:32:15,320 --> 00:32:12,000

most people have heard of every year

782

00:32:16,880 --> 00:32:15,330

they do a celebrity they do a survey of

783

00:32:18,770 --> 00:32:16,890

celebrities them said stupid stuff

784

00:32:20,270 --> 00:32:18,780

during the year and just this year

785

00:32:23,420 --> 00:32:20,280

they've introduced celebrities have done

786

00:32:26,150 --> 00:32:23,430

good stuff for science so last year they

787

00:32:29,030 --> 00:32:26,160

called out i'm julia sawalha who plays

788

00:32:31,250 --> 00:32:29,040

safi on absolutely fabulous because she

789

00:32:35,570 --> 00:32:31,260

only uses homeopathy when she goes to

790

00:32:39,140 --> 00:32:35,580

malaria epidemic countries android jelly

791

00:32:42,500 --> 00:32:39,150

and even joanna lumley who plays Patsy

792

00:32:43,970 --> 00:32:42,510

on a track she believes that cancer is

793

00:32:47,600 --> 00:32:43,980

caused by all the hormones and chemicals

794

00:32:49,669 --> 00:32:47,610

in food and that before we were putting

795

00:32:51,500 --> 00:32:49,679

antibiotics into cows and chickens we

796

00:32:53,180 --> 00:32:51,510

weren't getting cancer but in fact

797

00:32:55,430 --> 00:32:53,190

before we were doing that we were dying

798

00:32:57,560 --> 00:32:55,440

younger because medicine hadn't advanced

799

00:32:59,210 --> 00:32:57,570

so far no no the thing is before we were

800

00:33:02,540 --> 00:32:59,220

putting hormones in chickens and cows

801
00:33:04,370 --> 00:33:02,550
she wasn't getting cancer right well the

802
00:33:05,780 --> 00:33:04,380
point is though that I mean since about

803
00:33:08,900 --> 00:33:05,790
signs make this point that once a

804
00:33:11,990 --> 00:33:08,910
celebrity says something like with a

805
00:33:14,120 --> 00:33:12,000
feltro who endorses detox immediately it

806
00:33:16,310 --> 00:33:14,130
spreads it onto the internet into the

807
00:33:18,530 --> 00:33:16,320
women's mags it's just viral you can

808
00:33:19,850 --> 00:33:18,540
never take it out of the people's minds

809
00:33:22,460 --> 00:33:19,860
it's at their forefront of their minds

810
00:33:24,110 --> 00:33:22,470
so to try and counteract that they've

811
00:33:25,760 --> 00:33:24,120
started doing a list of celebrities have

812
00:33:27,590 --> 00:33:25,770
done good things to promote science and

813
00:33:29,450 --> 00:33:27,600

this year actually it was really good

814

00:33:31,790 --> 00:33:29,460

because the top of the list was Amanda

815

00:33:35,750 --> 00:33:31,800

Peet no matter if it's not very well

816

00:33:37,940 --> 00:33:35,760

known to many people but she is very

817

00:33:39,500 --> 00:33:37,950

good for positive campaigning about

818

00:33:42,919 --> 00:33:39,510

vaccinations so she does try to

819

00:33:46,880 --> 00:33:42,929

counteract what Jenny McCarthy go fishin

820

00:33:48,919 --> 00:33:46,890

yes yes yeah but yeah it's a good point

821

00:33:50,570 --> 00:33:48,929

Joe you've raised a really interesting

822

00:33:53,870 --> 00:33:50,580

point I'm sure it's one our listeners

823

00:33:57,350 --> 00:33:53,880

can have a think about that what stage

824

00:34:00,049 --> 00:33:57,360

do you stop enjoying whatever because

825

00:34:02,690 --> 00:34:00,059

the celebrity pushes this or that cause

826

00:34:05,779 --> 00:34:02,700

I think it's also that they come your

827

00:34:08,419 --> 00:34:05,789

time as as a skeptic where you have to

828

00:34:12,319 --> 00:34:08,429

be somewhat selective about where you

829

00:34:14,690 --> 00:34:12,329

put your energies and sometimes walking

830

00:34:18,109 --> 00:34:14,700

down the street and stopping it every

831

00:34:19,909 --> 00:34:18,119

store which is promoting I mean you

832

00:34:21,500 --> 00:34:19,919

really yeah you get to the mall though

833

00:34:23,210 --> 00:34:21,510

exactly and you get to the point where

834

00:34:25,609 --> 00:34:23,220

you really have to filter it out I keep

835

00:34:27,740 --> 00:34:25,619

walking yeah but I think that issue you

836

00:34:29,270 --> 00:34:27,750

raised Rach about the way that the stuff

837

00:34:31,970 --> 00:34:29,280

does filter through into the women's

838

00:34:35,299 --> 00:34:31,980

mags it's absolutely pervasive and it's

839

00:34:37,460 --> 00:34:35,309

and it's sold to women as because these

840

00:34:38,839 --> 00:34:37,470

celebrities are using it there for you

841

00:34:40,069 --> 00:34:38,849

know it's the next thing that they

842

00:34:41,659 --> 00:34:40,079

should be looking at and you can do this

843

00:34:44,930 --> 00:34:41,669

too and how can you do it cheaper and

844

00:34:47,530 --> 00:34:44,940

better and you know and so on but I

845

00:34:50,960 --> 00:34:47,540

thought just particularly in terms of

846

00:34:52,430 --> 00:34:50,970

activism and protest and so on just

847

00:34:55,190 --> 00:34:52,440

thinking about where you invest your

848

00:34:57,109 --> 00:34:55,200

energies with those things it's a very

849

00:34:59,059 --> 00:34:57,119

good point and I know that main art has

850

00:35:01,190 --> 00:34:59,069

been now responsible for promoting many

851

00:35:05,539 --> 00:35:01,200

things over the years as a celebrity

852

00:35:07,700 --> 00:35:05,549

that's right um I'll see no karaoke VHS

853

00:35:09,260 --> 00:35:07,710

tapes um things like that nothing that

854

00:35:11,750 --> 00:35:09,270

will cause a lot of harm except you know

855

00:35:14,690 --> 00:35:11,760

if you're seeing you know and everything

856

00:35:16,520 --> 00:35:14,700

I think you like you like you can't stop

857

00:35:17,960 --> 00:35:16,530

at every store but if there is a person

858

00:35:19,670 --> 00:35:17,970

little protest you can do that makes you

859

00:35:21,079 --> 00:35:19,680

feel better that's good I mean like I

860

00:35:22,970 --> 00:35:21,089

haven't seen a Tom Cruise movie since

861

00:35:25,299 --> 00:35:22,980

Minority Report and I feel better for

862

00:35:28,880 --> 00:35:25,309

that my love it my life is enriched

863

00:35:30,620 --> 00:35:28,890

every time I think of going to see a Tom

864

00:35:34,099 --> 00:35:30,630

Cruise movie I remember far and away

865

00:35:36,980 --> 00:35:34,109

which is our own away one of the worst

866

00:35:39,920 --> 00:35:36,990

films ever made you know it's certainly

867

00:35:41,359 --> 00:35:39,930

no BMX bandits or starstruck it's

868

00:35:42,890 --> 00:35:41,369

certainly not on that leg or it's not

869

00:35:46,660 --> 00:35:42,900

even in the big bus by the way the big

870

00:35:49,609 --> 00:35:46,670

bus best movie ever made the big bus

871

00:35:51,500 --> 00:35:49,619

it's the big bus is there's almost a

872

00:35:54,440 --> 00:35:51,510

prerunner to a movie like flying high

873

00:35:56,359 --> 00:35:54,450

it's a lot slower and not not as punchy

874

00:35:57,950 --> 00:35:56,369

but you can see where you would have

875

00:35:59,660 --> 00:35:57,960

seen the big bus and go on are we should

876

00:36:01,880 --> 00:35:59,670

make flying high its bait that an

877

00:36:05,270 --> 00:36:01,890

atomic-powered bus that goes across

878

00:36:06,859 --> 00:36:05,280

America and it gets sabotaged the big

879

00:36:08,240 --> 00:36:06,869

doubt flying high by the way would be

880

00:36:10,360 --> 00:36:08,250

known to most of our listeners as

881

00:36:12,580 --> 00:36:10,370

airplane that's right does the mirror

882

00:36:14,410 --> 00:36:12,590

don't like provocative titles like in

883

00:36:16,600 --> 00:36:14,420

bed with Madonna in Australia was called

884

00:36:18,610 --> 00:36:16,610

something completely something really

885

00:36:20,020 --> 00:36:18,620

familiar in America in bed in bed with

886

00:36:22,240 --> 00:36:20,030

Madonna everywhere in the world except

887

00:36:24,390 --> 00:36:22,250

where Madonna lived and even the harry

888

00:36:26,650 --> 00:36:24,400

potter was there the first one is

889

00:36:29,500 --> 00:36:26,660

instead of philosophers stone he was

890

00:36:30,610 --> 00:36:29,510

changed to the sorceress day may not may

891

00:36:32,230 --> 00:36:30,620

not have got a bit of a bone to pick

892

00:36:33,970 --> 00:36:32,240

with you because I actually was a robber

893

00:36:35,950 --> 00:36:33,980

signal did he disbelievers and you

894

00:36:38,620 --> 00:36:35,960

mentioned a movie called phase four and

895

00:36:40,210 --> 00:36:38,630

that the note series I on a Facebook

896

00:36:42,370 --> 00:36:40,220

that's where the ants take over the

897

00:36:45,370 --> 00:36:42,380

world yeah and Saunders he didn't

898

00:36:46,720 --> 00:36:45,380

believe it he was doing it now while I

899

00:36:49,140 --> 00:36:46,730

was listening to the show I actually

900

00:36:52,060 --> 00:36:49,150

went on iTunes and bought it for that

901
00:36:54,070 --> 00:36:52,070
all right 30 bucks could I took your

902
00:36:55,720 --> 00:36:54,080
recommendation as you were hyping up so

903
00:36:58,240 --> 00:36:55,730
much I went bought the thing and I

904
00:37:01,330 --> 00:36:58,250
watched it that was always the worst

905
00:37:02,950 --> 00:37:01,340
movie I've ever seen ever look really do

906
00:37:05,950 --> 00:37:02,960
i recommend the piracy but in the case

907
00:37:07,090 --> 00:37:05,960
of that I would have down I'm in 30

908
00:37:09,010 --> 00:37:07,100
bucks to find out whether you like a

909
00:37:11,140 --> 00:37:09,020
movie about ants taking over the world

910
00:37:13,060 --> 00:37:11,150
and get this now I can't delete it

911
00:37:16,150 --> 00:37:13,070
because it's a bigger to purchase Apple

912
00:37:19,240 --> 00:37:16,160
wants me to have it forever I cannot

913
00:37:21,130 --> 00:37:19,250

delete good but come on there must have

914

00:37:22,480 --> 00:37:21,140

been some funny moments in it it was

915

00:37:24,040 --> 00:37:22,490

very very good at Yankee we're the ants

916

00:37:25,210 --> 00:37:24,050

get inside the brain and they talk to

917

00:37:27,310 --> 00:37:25,220

each other we are controlling this

918

00:37:29,500 --> 00:37:27,320

person's rain I gotta say I'm gonna

919

00:37:34,690 --> 00:37:29,510

cover and visit you gotta see come

920

00:37:36,700 --> 00:37:34,700

around to see it the next topic on my

921

00:37:39,250 --> 00:37:36,710

list in front of me now is to talk about

922

00:37:43,480 --> 00:37:39,260

the group here in Australia friends of

923

00:37:45,280 --> 00:37:43,490

science in medicine doctor aging oh yeah

924

00:37:47,320 --> 00:37:45,290

well friends of science and medicine

925

00:37:49,930 --> 00:37:47,330

otherwise known as fsm was set up in

926

00:37:54,010 --> 00:37:49,940

Australia only late last year actually

927

00:37:56,560 --> 00:37:54,020

I've ever made a huge impact it's it's

928

00:38:00,370 --> 00:37:56,570

been amazing basically the idea behind

929

00:38:02,170 --> 00:38:00,380

fsm was to gather together academics and

930

00:38:03,970 --> 00:38:02,180

also just concerned citizens who were

931

00:38:06,550 --> 00:38:03,980

concerned about the infiltration of

932

00:38:08,560 --> 00:38:06,560

pseudoscience into universities so in

933

00:38:12,550 --> 00:38:08,570

particular the teaching of credulous

934

00:38:16,030 --> 00:38:12,560

teaching of cans and the idea is to

935

00:38:18,190 --> 00:38:16,040

examine universities and look at their

936

00:38:19,540 --> 00:38:18,200

courses and find areas where perhaps

937

00:38:20,610 --> 00:38:19,550

they're teaching stuff that won't be

938

00:38:23,460 --> 00:38:20,620

considered

939

00:38:25,470 --> 00:38:23,470

you know sorcery I suppose or deep end

940

00:38:27,330 --> 00:38:25,480

stuff yeah like homeopathy or iridology

941

00:38:30,990 --> 00:38:27,340

or you know stuff for which we know

942

00:38:32,970 --> 00:38:31,000

there's no evidence for and really all

943

00:38:34,590 --> 00:38:32,980

that's happened is about 400 people have

944

00:38:37,350 --> 00:38:34,600

signed up to a list that's not even

945

00:38:39,810 --> 00:38:37,360

public not even published yet and the

946

00:38:42,060 --> 00:38:39,820

amount of publicity that we've been

947

00:38:45,030 --> 00:38:42,070

getting I'm on the list full full

948

00:38:46,620 --> 00:38:45,040

disclosure I'm on the list has it been

949

00:38:49,080 --> 00:38:46,630

absolutely massive even to the point of

950

00:38:51,180 --> 00:38:49,090

the New York Times for speeches stories

951

00:38:53,160 --> 00:38:51,190

on us there was a big article in the

952

00:38:55,800 --> 00:38:53,170

British Medical Journal just a couple of

953

00:38:57,480 --> 00:38:55,810

a week ago there's been numerous

954

00:38:58,860 --> 00:38:57,490

articles on the website called the

955

00:39:02,940 --> 00:38:58,870

conversation which is the academic

956

00:39:05,460 --> 00:39:02,950

website here in Australia lots and lots

957

00:39:07,350 --> 00:39:05,470

of articles in the press there was a big

958

00:39:09,150 --> 00:39:07,360

hoo-ha riesling because there was an

959

00:39:13,770 --> 00:39:09,160

article in fairfax which is our sort of

960

00:39:16,830 --> 00:39:13,780

it's not Murdoch is it it's the non

961

00:39:19,920 --> 00:39:16,840

Murdoch press and there was a poll

962

00:39:21,600 --> 00:39:19,930

published as part of this article and at

963

00:39:22,770 --> 00:39:21,610

first it was just people were voting it

964

00:39:24,300 --> 00:39:22,780

seemed to be quite normal and then all

965

00:39:26,370 --> 00:39:24,310

of a sudden it seemed to be heading

966

00:39:29,130 --> 00:39:26,380

towards the people voting much more

967

00:39:30,330 --> 00:39:29,140

towards the yes option it turned out a

968

00:39:33,450 --> 00:39:30,340

couple of days later there was another

969

00:39:36,360 --> 00:39:33,460

article published where the tech guys

970

00:39:38,640 --> 00:39:36,370

that Fairfax had noticed that all of a

971

00:39:40,500 --> 00:39:38,650

sudden this poll was getting slammed

972

00:39:42,510 --> 00:39:40,510

with votes and there were about eight

973

00:39:44,940 --> 00:39:42,520

times more votes on the pole than people

974

00:39:47,550 --> 00:39:44,950

had actually read the page so it became

975

00:39:50,850 --> 00:39:47,560

apparent that it was being it was he was

976
00:39:53,210 --> 00:39:50,860
being botted and then someone found an

977
00:39:56,220 --> 00:39:53,220
email from a guy who's the head of the

978
00:39:57,690 --> 00:39:56,230
complementary health care council who'd

979
00:40:00,300 --> 00:39:57,700
emailed a whole lot of people and said

980
00:40:03,210 --> 00:40:00,310
we want to engineer a gap on this poll

981
00:40:05,850 --> 00:40:03,220
so that we don't give any credibility to

982
00:40:08,970 --> 00:40:05,860
the fsm people because we can make it go

983
00:40:10,740 --> 00:40:08,980
in our favor that's better for us now

984
00:40:13,050 --> 00:40:10,750
this fell into the hands of the

985
00:40:16,080 --> 00:40:13,060
newspaper who then wrote an article

986
00:40:19,500 --> 00:40:16,090
saying this but this poll has been

987
00:40:21,450 --> 00:40:19,510
gained and hijacked by the olt meant

988
00:40:23,340 --> 00:40:21,460

people because they sent around the

989

00:40:26,810 --> 00:40:23,350

email saying everyone please go and like

990

00:40:30,240 --> 00:40:26,820

crushes poll so it ended up having over

991

00:40:31,140 --> 00:40:30,250

850,000 votes by the end of the voting

992

00:40:33,540 --> 00:40:31,150

period

993

00:40:35,280 --> 00:40:33,550

the most votes Fairfax have ever had on

994

00:40:36,810 --> 00:40:35,290

a pole I tell you there's one final

995

00:40:38,490 --> 00:40:36,820

thing about this that was so funny

996

00:40:40,590 --> 00:40:38,500

because the second article where they

997

00:40:43,350 --> 00:40:40,600

expose that have been bottled by the cam

998

00:40:45,180 --> 00:40:43,360

people which was also bad polls yeah

999

00:40:47,250 --> 00:40:45,190

which is I how bad like you can't

1000

00:40:48,960 --> 00:40:47,260

actually trust polls and it was a whole

1001
00:40:50,520 --> 00:40:48,970
sorry about well you know people trust

1002
00:40:52,470 --> 00:40:50,530
online polls but this brings it all into

1003
00:40:54,450 --> 00:40:52,480
question looks like he has if anyone had

1004
00:40:58,230 --> 00:40:54,460
any way and in that article they had a

1005
00:41:00,840 --> 00:40:58,240
poll we said do you think you can trust

1006
00:41:04,380 --> 00:41:00,850
online polls and guess what happened to

1007
00:41:07,230 --> 00:41:04,390
that pole that pole was meant to be open

1008
00:41:10,350 --> 00:41:07,240
for five days after one day it had eight

1009
00:41:12,540 --> 00:41:10,360
hundred ninety thousand votes in favor

1010
00:41:15,750 --> 00:41:12,550
of yes you should take online poll

1011
00:41:18,810 --> 00:41:15,760
seriously it was ninety-five percent 5%

1012
00:41:20,850 --> 00:41:18,820
they shut it down that is that is more

1013
00:41:24,630 --> 00:41:20,860

votes than than the poll should we ana

1014

00:41:26,310 --> 00:41:24,640

get back together with Chris Brown I'm

1015

00:41:28,140 --> 00:41:26,320

shocked to hear that all right you just

1016

00:41:30,060 --> 00:41:28,150

wanted to add something about the

1017

00:41:32,640 --> 00:41:30,070

origins of FSS I think it's important

1018

00:41:34,620 --> 00:41:32,650

yes so yeah I think it's important to

1019

00:41:36,830 --> 00:41:34,630

point out that obviously we share a lot

1020

00:41:39,210 --> 00:41:36,840

of the ideas and thoughts with the

1021

00:41:42,840 --> 00:41:39,220

Friends of science and medicine but they

1022

00:41:45,870 --> 00:41:42,850

also started because or very much based

1023

00:41:48,330 --> 00:41:45,880

on a couple of articles a series a

1024

00:41:50,550 --> 00:41:48,340

two-part series of articles written in

1025

00:41:53,070 --> 00:41:50,560

the skeptic magazine they were written

1026
00:41:56,010 --> 00:41:53,080
by Tim with a huge amount of assistance

1027
00:41:59,430 --> 00:41:56,020
from Joe and in these articles were

1028
00:42:02,670 --> 00:41:59,440
about the what quackery at universities

1029
00:42:03,870 --> 00:42:02,680
yeah and the guys from the Friends of

1030
00:42:05,820 --> 00:42:03,880
science and medicine I mean particularly

1031
00:42:08,310 --> 00:42:05,830
Loretta who is the CEO of the

1032
00:42:10,080 --> 00:42:08,320
organization they read this they got

1033
00:42:12,060 --> 00:42:10,090
really upset at the same time there was

1034
00:42:14,250 --> 00:42:12,070
the whole issue with chiropractic an

1035
00:42:16,170 --> 00:42:14,260
RMIT the guy from the guy who managed

1036
00:42:17,880 --> 00:42:16,180
chiropractic RMIT moved to the

1037
00:42:19,440 --> 00:42:17,890
university of central Central Queensland

1038
00:42:22,680 --> 00:42:19,450

there was all of that happening at the

1039

00:42:25,380 --> 00:42:22,690

same time and obviously they that

1040

00:42:28,680 --> 00:42:25,390

created the momentum and then Loretta

1041

00:42:31,620 --> 00:42:28,690

and five professors started the

1042

00:42:33,780 --> 00:42:31,630

organization many from our organization

1043

00:42:37,290 --> 00:42:33,790

world that some of the first to sign

1044

00:42:38,550 --> 00:42:37,300

sign up to become signatories to the

1045

00:42:40,750 --> 00:42:38,560

organization or members of the

1046

00:42:46,780 --> 00:42:43,720

and yeah and your alien skeptics as an

1047

00:42:49,440 --> 00:42:46,790

organization is also a member so yeah of

1048

00:42:52,120 --> 00:42:49,450

course we have very close links to them

1049

00:42:54,870 --> 00:42:52,130

and we wish them every success and so

1050

00:42:57,880 --> 00:42:54,880

far they've been doing amazing work in

1051

00:43:00,250 --> 00:42:57,890

pressing the universities to stop this

1052

00:43:02,050 --> 00:43:00,260

nonsense and not teach things that are

1053

00:43:03,310 --> 00:43:02,060

doona that are not supported by evidence

1054

00:43:05,050 --> 00:43:03,320

there was actually something really

1055

00:43:07,150 --> 00:43:05,060

great the university I think it was

1056

00:43:08,290 --> 00:43:07,160

Charles was it Charles Sturt one of the

1057

00:43:12,460 --> 00:43:08,300

universities I don't remember which

1058

00:43:14,650 --> 00:43:12,470

university on their quackery page on the

1059

00:43:17,500 --> 00:43:14,660

uh no sir they only there was the page

1060

00:43:20,940 --> 00:43:17,510

where they were advertising or promoting

1061

00:43:24,730 --> 00:43:20,950

their complimentary complimentary

1062

00:43:27,610 --> 00:43:24,740

modalities courses they actually said

1063

00:43:30,400 --> 00:43:27,620

that this basically they they took it

1064

00:43:32,560 --> 00:43:30,410

they put a disclaimer that said this is

1065

00:43:34,810 --> 00:43:32,570

we do not actually teach those non

1066

00:43:37,990 --> 00:43:34,820

evidence-based modalities what this

1067

00:43:39,370 --> 00:43:38,000

course is is a course for people who

1068

00:43:41,350 --> 00:43:39,380

already practiced those modalities so

1069

00:43:43,270 --> 00:43:41,360

they learn about the science it's kind

1070

00:43:45,550 --> 00:43:43,280

of to enrich them about the science and

1071

00:43:47,410 --> 00:43:45,560

to understand how to how to better

1072

00:43:49,150 --> 00:43:47,420

investigate what evidence there is I

1073

00:43:51,160 --> 00:43:49,160

don't know whether it's true or not but

1074

00:43:53,950 --> 00:43:51,170

the fact that if University was felt

1075

00:43:56,140 --> 00:43:53,960

compelled to do that is a really gritty

1076
00:43:57,730 --> 00:43:56,150
good time and I hope that they continue

1077
00:43:59,350 --> 00:43:57,740
to do other certainly people feeling a

1078
00:44:01,570 --> 00:43:59,360
lot of pressure and a lot of people are

1079
00:44:03,310 --> 00:44:01,580
very threatened by this this group of

1080
00:44:04,510 --> 00:44:03,320
friends of science and medicine I've got

1081
00:44:07,300 --> 00:44:04,520
to say I've been involved in this

1082
00:44:08,530 --> 00:44:07,310
discussion for a long time and in fact

1083
00:44:10,270 --> 00:44:08,540
if anyone's interested go to the

1084
00:44:13,480 --> 00:44:10,280
conversation the conversation calm today

1085
00:44:14,830 --> 00:44:13,490
you and look for an article called what

1086
00:44:16,990 --> 00:44:14,840
cam courses should look like in

1087
00:44:18,850 --> 00:44:17,000
universities it's just been published so

1088
00:44:20,680 --> 00:44:18,860

it should be on the homepage it's a

1089

00:44:22,060 --> 00:44:20,690

really really good summary and overview

1090

00:44:25,060 --> 00:44:22,070

have really what we're about and what

1091

00:44:26,920 --> 00:44:25,070

we're trying to achieve and it's not as

1092

00:44:28,780 --> 00:44:26,930

some people are interpreting it apply a

1093

00:44:32,050 --> 00:44:28,790

flamethrower to Cameron you lose that's

1094

00:44:35,410 --> 00:44:32,060

exactly not what we're about we're about

1095

00:44:38,560 --> 00:44:35,420

looking at each modality at face value

1096

00:44:41,230 --> 00:44:38,570

and working out whether it's justified

1097

00:44:45,170 --> 00:44:41,240

to keep it in universities so that means

1098

00:44:48,559 --> 00:44:45,180

homeopathy gone supplementary like

1099

00:44:50,960 --> 00:44:48,569

yeah I'm afraid so supplements and like

1100

00:44:54,980 --> 00:44:50,970

herbal medicine no of course we got

1101

00:44:56,480 --> 00:44:54,990

flush though that what's really it's

1102

00:44:59,559 --> 00:44:56,490

sort of irritating me about it is that

1103

00:45:04,579 --> 00:44:59,569

they are it's almost a deliberate

1104

00:45:06,290 --> 00:45:04,589

changing of fsm argument or distortion

1105

00:45:08,180 --> 00:45:06,300

of it to make it look like what's being

1106

00:45:09,650 --> 00:45:08,190

said is get rid of it we don't want to

1107

00:45:13,760 --> 00:45:09,660

know we don't we don't even want to look

1108

00:45:16,609 --> 00:45:13,770

into it and it's really it's really sort

1109

00:45:18,980 --> 00:45:16,619

of misleading the public as to what the

1110

00:45:20,569 --> 00:45:18,990

aims of fsm oh I agree but I don't think

1111

00:45:22,220 --> 00:45:20,579

people are able to understand that joy

1112

00:45:24,380 --> 00:45:22,230

because the article that's on the

1113

00:45:27,530 --> 00:45:24,390

conversation now the one about what cam

1114

00:45:29,660 --> 00:45:27,540

courses should look like really clearly

1115

00:45:31,430 --> 00:45:29,670

explains that that it's not about

1116

00:45:32,900 --> 00:45:31,440

throwing out everything yet you read the

1117

00:45:34,730 --> 00:45:32,910

comments and there's still comments from

1118

00:45:36,200 --> 00:45:34,740

people going you want to throw out heads

1119

00:45:38,299 --> 00:45:36,210

but what about some john's wort and what

1120

00:45:39,920 --> 00:45:38,309

about aspirin it came from a tree and as

1121

00:45:42,200 --> 00:45:39,930

know if you read the article it's

1122

00:45:43,730 --> 00:45:42,210

absolutely not what he's saying so it

1123

00:45:46,250 --> 00:45:43,740

says cognitive dissonance i think that

1124

00:45:48,079 --> 00:45:46,260

people have it suits the other side to

1125

00:45:49,190 --> 00:45:48,089

pay just like that and also you must

1126

00:45:52,099 --> 00:45:49,200

remember that the people who are making

1127

00:45:54,890 --> 00:45:52,109

those comments they they're high on omni

1128

00:45:56,450 --> 00:45:54,900

APPA the-- anyway so you've got because

1129

00:45:59,240 --> 00:45:56,460

can i think is seen to them as an

1130

00:46:03,230 --> 00:45:59,250

umbrella thing whereas we are trying to

1131

00:46:05,510 --> 00:46:03,240

look at evidence and case by case on

1132

00:46:06,890 --> 00:46:05,520

face value yeah but they can't seem to

1133

00:46:08,240 --> 00:46:06,900

do that and someone made this

1134

00:46:11,480 --> 00:46:08,250

observation recently and i think it's

1135

00:46:13,910 --> 00:46:11,490

really true is that if that even if it's

1136

00:46:15,170 --> 00:46:13,920

if a modality i care modality is proven

1137

00:46:18,079 --> 00:46:15,180

not to work they cling to what even

1138

00:46:20,450 --> 00:46:18,089

tighter you know but they're unable to

1139

00:46:23,210 --> 00:46:20,460

dissociate from dogma it doesn't seem at

1140

00:46:25,640 --> 00:46:23,220

all so but it's a really interesting

1141

00:46:26,990 --> 00:46:25,650

argument absolutely theories come in you

1142

00:46:28,819 --> 00:46:27,000

know that yeah they're big pharma

1143

00:46:31,400 --> 00:46:28,829

shipment karma's shoes yeah you know and

1144

00:46:33,589 --> 00:46:31,410

the fact that obviously big supplement

1145

00:46:36,549 --> 00:46:33,599

makes no money do they big homeopathy

1146

00:46:39,410 --> 00:46:36,559

also you know the thing is ken harvey

1147

00:46:42,260 --> 00:46:39,420

complains about pharmaceutical big

1148

00:46:43,930 --> 00:46:42,270

pharma almost as often as it complains

1149

00:46:46,760 --> 00:46:43,940

about alternative medicines i

1150

00:46:48,530 --> 00:46:46,770

participated in a hearing representative

1151

00:46:50,000 --> 00:46:48,540

pharmacist together with ken in a

1152

00:46:52,160 --> 00:46:50,010

hearing in which a pharmaceutical got

1153

00:46:55,010 --> 00:46:52,170

fine forty thousand dollars because of

1154

00:46:56,660 --> 00:46:55,020

our testimony we we are not afraid to

1155

00:46:57,750 --> 00:46:56,670

attack big farmer when a big pharma

1156

00:46:59,580 --> 00:46:57,760

falls afoul of what they

1157

00:47:01,800 --> 00:46:59,590

should be doing if you're an example of

1158

00:47:04,680 --> 00:47:01,810

something so ridiculous that you won't

1159

00:47:06,450 --> 00:47:04,690

believe it right I am an editor on a

1160

00:47:07,830 --> 00:47:06,460

complementary medicine journal called

1161

00:47:10,350 --> 00:47:07,840

focus on alternative and complementary

1162

00:47:12,720 --> 00:47:10,360

therapies I published about five

1163

00:47:14,520 --> 00:47:12,730

articles in there one of which is a

1164

00:47:17,100 --> 00:47:14,530

review of acupuncture which came out

1165

00:47:19,590 --> 00:47:17,110

today I got accused of being a big

1166

00:47:21,450 --> 00:47:19,600

pharma shell because that journal is

1167

00:47:24,900 --> 00:47:21,460

supported by the British pharmaceutical

1168

00:47:26,700 --> 00:47:24,910

Association well it's a complementary

1169

00:47:30,900 --> 00:47:26,710

medicine journal where I write about

1170

00:47:33,390 --> 00:47:30,910

acupuncture chi gong tai chi by no but

1171

00:47:35,220 --> 00:47:33,400

you're a shield to be great but what's

1172

00:47:36,950 --> 00:47:35,230

really appalling about that is that if

1173

00:47:38,730 --> 00:47:36,960

the stuff that you're publishing

1174

00:47:40,890 --> 00:47:38,740

actually is finding that these

1175

00:47:43,770 --> 00:47:40,900

modalities don't work it's there for

1176

00:47:45,240 --> 00:47:43,780

saying big it's it's saying well if

1177

00:47:46,950 --> 00:47:45,250

you're finding that the stuff doesn't

1178

00:47:49,140 --> 00:47:46,960

work then you must be supported by big

1179

00:47:51,300 --> 00:47:49,150

farmer and therefore you can only you

1180

00:47:52,440 --> 00:47:51,310

couldn't possibly be doing stuff to

1181

00:47:54,390 --> 00:47:52,450

support I think you're not saying that

1182

00:47:56,220 --> 00:47:54,400

it work that is making the assumption

1183

00:47:57,780 --> 00:47:56,230

they bother to read my research show and

1184

00:47:59,310 --> 00:47:57,790

they didn't they just saw that it is

1185

00:48:01,440 --> 00:47:59,320

supported by the British people just

1186

00:48:03,990 --> 00:48:01,450

simply regard you as a big pharma show

1187

00:48:06,120 --> 00:48:04,000

they said because I write for this kind

1188

00:48:08,910 --> 00:48:06,130

of entertainer I mean how ridiculous

1189

00:48:11,040 --> 00:48:08,920

awesome right dr. age I yeah I just have

1190

00:48:15,140 --> 00:48:11,050

to look at your 7-series BMW and I

1191

00:48:20,280 --> 00:48:15,150

thought and I start to get suspicious

1192

00:48:21,690 --> 00:48:20,290

just stop just to clarify what you said

1193

00:48:22,920 --> 00:48:21,700

before it is actually Charles Sturt

1194

00:48:24,690 --> 00:48:22,930

University that have put their

1195

00:48:26,130 --> 00:48:24,700

disclaimer what what what's interesting

1196

00:48:29,640 --> 00:48:26,140

is when you actually look at the course

1197

00:48:32,520 --> 00:48:29,650

content it is a health sciences degree

1198

00:48:34,440 --> 00:48:32,530

and the you know they make it quite

1199

00:48:37,200 --> 00:48:34,450

explicit that they do not that this

1200

00:48:39,420 --> 00:48:37,210

disclaimer says that CSU does not teach

1201
00:48:40,740 --> 00:48:39,430
homeopathy iridology reflexology or any

1202
00:48:44,760 --> 00:48:40,750
other subjects that are not based on

1203
00:48:46,590 --> 00:48:44,770
experimental evidence and it goes on but

1204
00:48:48,630 --> 00:48:46,600
you know you look at what that's what

1205
00:48:50,640 --> 00:48:48,640
the course covers and its

1206
00:48:52,410 --> 00:48:50,650
pathophysiology and pharmacology

1207
00:48:54,510 --> 00:48:52,420
evidence-based complementary medicine

1208
00:48:57,030 --> 00:48:54,520
what I want to know is I would love them

1209
00:49:00,150 --> 00:48:57,040
to actually do some research of the

1210
00:49:01,000 --> 00:49:00,160
students coming out of these horses to

1211
00:49:02,890 --> 00:49:01,010
see

1212
00:49:04,390 --> 00:49:02,900
watch they're actually then practicing

1213
00:49:07,270 --> 00:49:04,400

because if they're coming in there if a

1214

00:49:08,710 --> 00:49:07,280

naturopath or you know an acupuncturist

1215

00:49:10,510 --> 00:49:08,720

or whatever the person is doing that

1216

00:49:13,570 --> 00:49:10,520

course does the course with the aim of

1217

00:49:15,310 --> 00:49:13,580

them learning better evidence based

1218

00:49:16,930 --> 00:49:15,320

practice they come out of the course

1219

00:49:18,670 --> 00:49:16,940

they go out there and they're practicing

1220

00:49:21,190 --> 00:49:18,680

as a naturopath and an acupuncturist

1221

00:49:23,050 --> 00:49:21,200

well ultimately if they're using things

1222

00:49:24,460 --> 00:49:23,060

that the evidence shows doesn't work

1223

00:49:26,830 --> 00:49:24,470

then what is the course actually

1224

00:49:29,020 --> 00:49:26,840

achieving is it just is it just going it

1225

00:49:30,730 --> 00:49:29,030

up and saying therefore we've now got

1226

00:49:31,630 --> 00:49:30,740

this degree so I'm more legitimate but

1227

00:49:33,370 --> 00:49:31,640

I'm still going to just keep practicing

1228

00:49:35,020 --> 00:49:33,380

what I'm practicing that their argument

1229

00:49:36,910 --> 00:49:35,030

for that I have had a look into this and

1230

00:49:38,440 --> 00:49:36,920

their argument is that there are a lot

1231

00:49:40,090 --> 00:49:38,450

of they say and I haven't seen any

1232

00:49:41,800 --> 00:49:40,100

evidence for this they say that a lot of

1233

00:49:43,630 --> 00:49:41,810

people that get into that stream are

1234

00:49:45,700 --> 00:49:43,640

then offered alternatives to go into

1235

00:49:49,240 --> 00:49:45,710

medicine physiology sorry farmer

1236

00:49:51,640 --> 00:49:49,250

pharmacy and nursing after that so they

1237

00:49:54,310 --> 00:49:51,650

filter them in from whoo they put them

1238

00:49:56,800 --> 00:49:54,320

into this evidence-based two year is it

1239

00:49:59,290 --> 00:49:56,810

postgrad course and then some of them go

1240

00:50:01,360 --> 00:49:59,300

off and do real science but I don't know

1241

00:50:02,800 --> 00:50:01,370

where many that is and I couldn't find

1242

00:50:04,240 --> 00:50:02,810

any information about I've been really

1243

00:50:06,580 --> 00:50:04,250

interested to know that because I mean I

1244

00:50:09,550 --> 00:50:06,590

think if it is actually having a

1245

00:50:11,170 --> 00:50:09,560

positive outcome if it is actually you

1246

00:50:13,450 --> 00:50:11,180

know churning out students who are

1247

00:50:14,770 --> 00:50:13,460

thinking more critically and who are

1248

00:50:16,540 --> 00:50:14,780

actually prepared to look at the way

1249

00:50:18,100 --> 00:50:16,550

they're practicing these alternative

1250

00:50:19,720 --> 00:50:18,110

modalities and say hang on a second

1251

00:50:20,950 --> 00:50:19,730

actually be able to chose this doesn't

1252

00:50:23,140 --> 00:50:20,960

work maybe I shouldn't be doing yeah

1253

00:50:25,060 --> 00:50:23,150

then that's that's a good thing I could

1254

00:50:26,020 --> 00:50:25,070

I can I can live with that but if

1255

00:50:28,720 --> 00:50:26,030

they're just coming out the other end

1256

00:50:30,970 --> 00:50:28,730

and just Carolina I couldn't find the

1257

00:50:33,970 --> 00:50:30,980

evidence for that yet I'm looking for it

1258

00:50:37,120 --> 00:50:33,980

though sounds suspicious to me like

1259

00:50:39,970 --> 00:50:37,130

the bad outcome of that would be it's

1260

00:50:42,609 --> 00:50:39,980

just helping them to sound more credible

1261

00:50:43,840 --> 00:50:42,619

that's the point exactly that's the

1262

00:50:44,980 --> 00:50:43,850

point and that's one of the arguments

1263

00:50:47,020 --> 00:50:44,990

that we've been having with some

1264

00:50:49,570 --> 00:50:47,030

ultimate people is they're saying that

1265

00:50:51,490 --> 00:50:49,580

you shouldn't take cam and ultimate out

1266

00:50:53,230 --> 00:50:51,500

of unions because at least then we know

1267

00:50:55,150 --> 00:50:53,240

they're getting trained properly come

1268

00:50:56,680 --> 00:50:55,160

out as a veteran that to us and they

1269

00:50:58,060 --> 00:50:56,690

would have they came out of the

1270

00:51:00,340 --> 00:50:58,070

Australian college of natural therapies

1271

00:51:02,349 --> 00:51:00,350

but where's the evidence for that where

1272

00:51:04,390 --> 00:51:02,359

is it I don't see it and the thing is is

1273

00:51:07,180 --> 00:51:04,400

that Southern Cross who had Merrill Dory

1274

00:51:10,180 --> 00:51:07,190

teaching vaccinations to neone in a

1275

00:51:12,070 --> 00:51:10,190

neonatal class oh sure about that one we

1276

00:51:13,660 --> 00:51:12,080

do I exciting yes I remember something

1277

00:51:14,950 --> 00:51:13,670

Meryl Dory was teaching someone at

1278

00:51:18,490 --> 00:51:14,960

Southern Cross which I've never been out

1279

00:51:19,930 --> 00:51:18,500

of 5 and I'm still looking for that is

1280

00:51:21,310 --> 00:51:19,940

that just because that was taught me

1281

00:51:22,720 --> 00:51:21,320

Unni doesn't mean you come out any less

1282

00:51:23,890 --> 00:51:22,730

anti backs and if you learnt it in the

1283

00:51:26,859 --> 00:51:23,900

Blue Mountains in a secret meeting

1284

00:51:29,770 --> 00:51:26,869

underground you know absolutely thank

1285

00:51:31,480 --> 00:51:29,780

you man now one of the major forces in

1286

00:51:34,359 --> 00:51:31,490

the the Friends of science and medicine

1287

00:51:36,730 --> 00:51:34,369

is professor john dwyer iran professor

1288

00:51:40,480 --> 00:51:36,740

john dwyer and he is actually speaking

1289

00:51:43,060 --> 00:51:40,490

here in sydney on the thirty-first of

1290

00:51:46,170 --> 00:51:43,070

marsh at an Australian skeptics dinner

1291

00:51:48,580 --> 00:51:46,180

meeting the first one of 2012 yes and

1292

00:51:51,010 --> 00:51:48,590

I'm not sure whether the information is

1293

00:51:52,120 --> 00:51:51,020

on our website just yet but if it isn't

1294

00:51:57,580 --> 00:51:52,130

then it will be in the next few days

1295

00:51:58,720 --> 00:51:57,590

yeah wwc XCOM a youth you're in Sydney

1296

00:52:01,450 --> 00:51:58,730

and you want to find out more about

1297

00:52:02,859 --> 00:52:01,460

friends of science in medicine come

1298

00:52:06,130 --> 00:52:02,869

along to our dinner meeting which is

1299

00:52:09,160 --> 00:52:06,140

great fun it is a good dinner and an

1300

00:52:11,980 --> 00:52:09,170

interesting speakers now rhe a quick

1301

00:52:14,200 --> 00:52:11,990

shout out to our friends in Canberra

1302

00:52:17,109 --> 00:52:14,210

because you and I have both gone down in

1303

00:52:19,240 --> 00:52:17,119

the last month's to speak in Canberra

1304

00:52:20,710 --> 00:52:19,250

our nation's capital and you were only

1305

00:52:22,510 --> 00:52:20,720

there the other day you had a great time

1306

00:52:25,150 --> 00:52:22,520

I had a great time the guys in Canberra

1307

00:52:27,099 --> 00:52:25,160

are so professional do a fantastic job

1308

00:52:30,400 --> 00:52:27,109

brought me wine and dinner that has

1309

00:52:32,380 --> 00:52:30,410

nothing to do but they have this

1310

00:52:34,240 --> 00:52:32,390

fantastic venue and your shield women

1311

00:52:37,420 --> 00:52:34,250

that was Michelle payment you're a skill

1312

00:52:39,490 --> 00:52:37,430

for big whiner and and Big Train oak and

1313

00:52:42,220 --> 00:52:39,500

their panera at Reno trip as well

1314

00:52:44,860 --> 00:52:42,230

venom and bustle they have a great venue

1315

00:52:50,110 --> 00:52:44,870

it's the CSIRO discovery center yes

1316

00:52:52,090 --> 00:52:50,120

which is part of Anu and we had about 80

1317

00:52:54,340 --> 00:52:52,100

to 100 people there Fred I gave a talk

1318

00:52:57,370 --> 00:52:54,350

about health information on the internet

1319

00:52:59,380 --> 00:52:57,380

so as my god dr. google talk but a

1320

00:53:02,050 --> 00:52:59,390

little bit expanded from what I've done

1321

00:53:05,380 --> 00:53:02,060

before with puppets yed puppets and

1322

00:53:07,750 --> 00:53:05,390

interpretive dance like the ABC

1323

00:53:13,930 --> 00:53:07,760

interpretive bandicut you know the one

1324

00:53:15,880 --> 00:53:13,940

that first up on the moon remember that

1325

00:53:17,830 --> 00:53:15,890

one camera a camera skeptics are doing

1326

00:53:20,620 --> 00:53:17,840

great stuff that and they're great talks

1327

00:53:23,590 --> 00:53:20,630

and and they're doing the convention in

1328

00:53:26,140 --> 00:53:23,600

2013 but if anyone is in Canberra they

1329

00:53:28,420 --> 00:53:26,150

do skeptics in the pub I think on some

1330

00:53:29,770 --> 00:53:28,430

it sunday afternoons once a month I

1331

00:53:31,600 --> 00:53:29,780

haven't got that information to hand but

1332

00:53:33,310 --> 00:53:31,610

people please google camera settings

1333

00:53:35,950 --> 00:53:33,320

camera skeptic stood all today you i

1334

00:53:38,050 --> 00:53:35,960

think but yeah never they're fantastic

1335

00:53:41,110 --> 00:53:38,060

and in fact i just got a little

1336

00:53:42,990 --> 00:53:41,120

notification about 2013 the australian

1337

00:53:45,160 --> 00:53:43,000

skeptics national convention in canberra

1338

00:53:49,180 --> 00:53:45,170

something to do with the 50th

1339

00:53:52,750 --> 00:53:49,190

anniversary of JFK may night oh look

1340

00:53:54,760 --> 00:53:52,760

again look when is that Patsy get when

1341

00:53:56,890 --> 00:53:54,770

you're going to give that guy rest ok if

1342

00:53:59,260 --> 00:53:56,900

Oswald had gone to trial we wouldn't be

1343

00:54:02,320 --> 00:53:59,270

here now talking about them he did and

1344

00:54:04,300 --> 00:54:02,330

I've got the video ah yes well well

1345

00:54:06,430 --> 00:54:04,310

that's a big shield from big y know I

1346

00:54:08,440 --> 00:54:06,440

think you're fired up there but I will

1347

00:54:10,540 --> 00:54:08,450

watch that anyway and it's and anyone

1348

00:54:11,950 --> 00:54:10,550

who did listen to the disbelievers we

1349

00:54:13,720 --> 00:54:11,960

had it we had a bit of an altercation on

1350

00:54:15,400 --> 00:54:13,730

it at all on the last episode which

1351
00:54:18,160 --> 00:54:15,410
would make a good episode seven if we

1352
00:54:20,680 --> 00:54:18,170
ever do 150 years next year since that

1353
00:54:23,410 --> 00:54:20,690
that day that's incredible now I run a

1354
00:54:27,190 --> 00:54:23,420
little note here to talk about the TGA

1355
00:54:31,780 --> 00:54:27,200
and something called undo it yes undo it

1356
00:54:34,930 --> 00:54:31,790
is another well hundred should I go it's

1357
00:54:37,630 --> 00:54:34,940
a slimming agent of sword now I think

1358
00:54:40,690 --> 00:54:37,640
you undo you undo it because the idea is

1359
00:54:43,780 --> 00:54:40,700
that you you can take it you can eat

1360
00:54:46,450 --> 00:54:43,790
whatever you want and counter it by

1361
00:54:49,300 --> 00:54:46,460
taking a pill appeal is worth about a

1362
00:54:51,710 --> 00:54:49,310
dollar and say they say that a chocolate

1363
00:54:54,770 --> 00:54:51,720

biscuit so you can counter with

1364

00:55:01,760 --> 00:54:54,780

with one pill a tub of ice cream is two

1365

00:55:03,650 --> 00:55:01,770

pills and Yeah Yeah right right just

1366

00:55:05,570 --> 00:55:03,660

doing the minding here for a big tub of

1367

00:55:07,940 --> 00:55:05,580

ice cream hard drive he doesn't see how

1368

00:55:11,000 --> 00:55:07,950

big the tub of ice cream is when there's

1369

00:55:12,560 --> 00:55:11,010

actually a pharmaceutical drug that does

1370

00:55:14,630 --> 00:55:12,570

this called xenical that used to be

1371

00:55:16,040 --> 00:55:14,640

about that would bind with the fat and

1372

00:55:17,900 --> 00:55:16,050

pass it out of your body which was a

1373

00:55:19,670 --> 00:55:17,910

really bad idea in actos action after

1374

00:55:21,349 --> 00:55:19,680

they started using it is it something

1375

00:55:23,210 --> 00:55:21,359

like the xenical of the farmer

1376

00:55:25,520 --> 00:55:23,220

pharmaceuticals I don't know I don't

1377

00:55:27,140 --> 00:55:25,530

know all the claims i looked at their ad

1378

00:55:28,550 --> 00:55:27,150

it was it was very simplistic he didn't

1379

00:55:30,560 --> 00:55:28,560

provide a lot of information but the

1380

00:55:32,750 --> 00:55:30,570

point is that if it were then it would

1381

00:55:35,000 --> 00:55:32,760

be unsafe and would not be he'll out to

1382

00:55:37,070 --> 00:55:35,010

we could not be used I suppose it

1383

00:55:39,109 --> 00:55:37,080

probably isn't it's probably another

1384

00:55:40,670 --> 00:55:39,119

another scam we we can't be sure of

1385

00:55:47,359 --> 00:55:40,680

course we don't know all the details but

1386

00:55:48,950 --> 00:55:47,369

ken harvey complain to the DGA energy

1387

00:55:50,420 --> 00:55:48,960

and time and time again and he just gets

1388

00:55:52,910 --> 00:55:50,430

knocked back it I know that I need the

1389

00:55:54,770 --> 00:55:52,920

TJ did did actually respond very

1390

00:55:59,780 --> 00:55:54,780

positively said they took note of his

1391

00:56:02,170 --> 00:55:59,790

complaint oh it is isn't it got a

1392

00:56:04,579 --> 00:56:02,180

response is is that a sort of a

1393

00:56:07,460 --> 00:56:04,589

bureaucrat talk for we answered the

1394

00:56:11,120 --> 00:56:07,470

phone pretty much yeah it's what do you

1395

00:56:13,910 --> 00:56:11,130

mean look that cuz they didn't dismiss

1396

00:56:17,060 --> 00:56:13,920

it completely but let's say this way ken

1397

00:56:18,560 --> 00:56:17,070

would have to keep on top of it to make

1398

00:56:20,420 --> 00:56:18,570

anything happen about it now the good

1399

00:56:22,310 --> 00:56:20,430

thing about ken is that he will keep on

1400

00:56:24,680 --> 00:56:22,320

top of it he will continue to pressure

1401
00:56:27,079 --> 00:56:24,690
them and if this thing continues to be

1402
00:56:29,060 --> 00:56:27,089
marketed then eventually something will

1403
00:56:30,530 --> 00:56:29,070
happen but it could take a very long

1404
00:56:31,640 --> 00:56:30,540
time in the meantime they'll make a lot

1405
00:56:34,359 --> 00:56:31,650
of money and you know these things

1406
00:56:36,800 --> 00:56:34,369
eventually they disappear and they

1407
00:56:38,540 --> 00:56:36,810
dissipate because there is an issue

1408
00:56:41,030 --> 00:56:38,550
there's some initial hype about it then

1409
00:56:43,370 --> 00:56:41,040
people take it just like one two three

1410
00:56:46,210 --> 00:56:43,380
gut flush oh that's right that's taking

1411
00:56:49,210 --> 00:56:46,220
off big time since our presentation yeah

1412
00:56:50,830 --> 00:56:49,220
unbelievable I think one of the points

1413
00:56:52,420 --> 00:56:50,840

though that ken was making he wrote an

1414

00:56:54,880 --> 00:56:52,430

article on the conversation again today

1415

00:56:56,740 --> 00:56:54,890

about this was that there was a review

1416

00:56:59,470 --> 00:56:56,750

of the TGA in the last couple of months

1417

00:57:00,670 --> 00:56:59,480

and it involved a huge amount of people

1418

00:57:02,260 --> 00:57:00,680

that spent a lot of time going through

1419

00:57:04,510 --> 00:57:02,270

the legislation and working out where

1420

00:57:06,550 --> 00:57:04,520

changes should be made one of the things

1421

00:57:08,260 --> 00:57:06,560

that they cited as a really important

1422

00:57:10,960 --> 00:57:08,270

thing that should be changed is that

1423

00:57:12,550 --> 00:57:10,970

when sponsors are listing a product they

1424

00:57:14,349 --> 00:57:12,560

just have an open little box where they

1425

00:57:16,630 --> 00:57:14,359

can type any kinds they like about this

1426

00:57:18,370 --> 00:57:16,640

product so they can say this is a magic

1427

00:57:20,170 --> 00:57:18,380

pill that reverses the norm she just had

1428

00:57:23,470 --> 00:57:20,180

they don't need to provide any evidence

1429

00:57:25,300 --> 00:57:23,480

of that now it was recommended that that

1430

00:57:27,220 --> 00:57:25,310

should be stopped that they didn't have

1431

00:57:29,650 --> 00:57:27,230

the option to put free text in to make

1432

00:57:31,150 --> 00:57:29,660

up sheets basically and the teeth the

1433

00:57:33,250 --> 00:57:31,160

government just went now that's too hard

1434

00:57:35,859 --> 00:57:33,260

we're not going to do that so all that

1435

00:57:37,000 --> 00:57:35,869

effort of people making going through

1436

00:57:38,620 --> 00:57:37,010

all this legislation and then

1437

00:57:41,200 --> 00:57:38,630

potentially tightening up that

1438

00:57:43,060 --> 00:57:41,210

legislation was just dismissed by the

1439

00:57:44,859 --> 00:57:43,070

government so now these people who are

1440

00:57:47,170 --> 00:57:44,869

making this undo it's tougher going ha

1441

00:57:49,930 --> 00:57:47,180

ha ha ha we'll just make up more [h__h]

1442

00:57:52,150 --> 00:57:49,940

it's not just people like undo it it's

1443

00:57:53,500 --> 00:57:52,160

also real pharmaceuticals and we had

1444

00:57:55,570 --> 00:57:53,510

this situation I with the people who

1445

00:57:58,120 --> 00:57:55,580

sell nurofen where they were there were

1446

00:57:59,320 --> 00:57:58,130

twice there were twice told to stop

1447

00:58:01,990 --> 00:57:59,330

doing what they were doing because one

1448

00:58:04,120 --> 00:58:02,000

one time they were you may remember that

1449

00:58:07,030 --> 00:58:04,130

they were given the shonky last year

1450

00:58:10,630 --> 00:58:07,040

because they were selling nurofen the

1451
00:58:12,550 --> 00:58:10,640
migraine pain and europe admits period

1452
00:58:15,400 --> 00:58:12,560
pain and all those kind of thing they're

1453
00:58:17,560 --> 00:58:15,410
all exactly the same just like

1454
00:58:20,380 --> 00:58:17,570
homeopathy yeah we handed twenty four

1455
00:58:22,990 --> 00:58:20,390
milligrams I think it was a lie yeah 425

1456
00:58:25,120 --> 00:58:23,000
was it something is they are all exactly

1457
00:58:27,640 --> 00:58:25,130
the same formulation different colored

1458
00:58:33,280 --> 00:58:27,650
box and different prices and and then

1459
00:58:34,570 --> 00:58:33,290
the TGA actually also not the CRP there

1460
00:58:36,790 --> 00:58:34,580
the complaint resolution panel which is

1461
00:58:39,160 --> 00:58:36,800
all about advertising ruled against them

1462
00:58:42,190 --> 00:58:39,170
because they were advertising nurofen as

1463
00:58:45,400 --> 00:58:42,200

being targeting the source of the pain

1464

00:58:48,190 --> 00:58:45,410

which is nonsense it's systemic it

1465

00:58:50,020 --> 00:58:48,200

targets Atari every brain it's a there's

1466

00:58:51,940 --> 00:58:50,030

nothing to do with targeting the yeah

1467

00:58:53,740 --> 00:58:51,950

the site of the pain you take Italy goes

1468

00:58:54,960 --> 00:58:53,750

who I'm gonna go up this over here in

1469

00:58:57,150 --> 00:58:54,970

debate

1470

00:58:59,010 --> 00:58:57,160

and they have ads that clearly show it

1471

00:59:01,620 --> 00:58:59,020

as if it is going to the side of the

1472

00:59:06,750 --> 00:59:01,630

pain that's me hey there's been two

1473

00:59:07,980 --> 00:59:06,760

boxes thank you exactly or oh no no no

1474

00:59:10,860 --> 00:59:07,990

none of you are getting your shield

1475

00:59:13,470 --> 00:59:10,870

checks is not know and the thing is this

1476
00:59:15,780 --> 00:59:13,480
company got a ruling against it and they

1477
00:59:17,910 --> 00:59:15,790
ignored it and worse than that i write

1478
00:59:20,190 --> 00:59:17,920
this facetious littles like flippity

1479
00:59:21,720 --> 00:59:20,200
response going we will continue to

1480
00:59:25,830 --> 00:59:21,730
target our product in this manner that's

1481
00:59:28,620 --> 00:59:25,840
right basically shove it up your bum yes

1482
00:59:30,810 --> 00:59:28,630
they know that because no consequences

1483
00:59:32,220 --> 00:59:30,820
and they say if those people who sell on

1484
00:59:36,720 --> 00:59:32,230
me up a thick and can do whatever they

1485
00:59:40,620 --> 00:59:36,730
want why can't we and they can so that's

1486
00:59:42,120 --> 00:59:40,630
right at the moment yeah we're on their

1487
00:59:45,360 --> 00:59:42,130
tail we're on their case we're on their

1488
00:59:49,320 --> 00:59:45,370

case now before we wrap up a big plug to

1489

00:59:52,380 --> 00:59:49,330

a guy who we all enjoy the videos when

1490

00:59:54,480 --> 00:59:52,390

he produces videos potholder 54 on

1491

00:59:58,200 --> 00:59:54,490

youtube folks if you're not subscribed

1492

01:00:00,960 --> 00:59:58,210

to pot Hall of 54 what's stopping you

1493

01:00:02,810 --> 01:00:00,970

please do his latest video he often has

1494

01:00:06,060 --> 01:00:02,820

wonderful things about creationism

1495

01:00:08,580 --> 01:00:06,070

actually and absolutely in here words

1496

01:00:12,390 --> 01:00:08,590

the golden Crocodoc the continuity to

1497

01:00:14,430 --> 01:00:12,400

the winning creationist [h__h] lunacy out

1498

01:00:16,380 --> 01:00:14,440

there but he's turned his attention just

1499

01:00:19,170 --> 01:00:16,390

recently his latest video is health

1500

01:00:20,940 --> 01:00:19,180

vaccinations and junk science really

1501

01:00:25,130 --> 01:00:20,950

great and this is going to be the first

1502

01:00:30,120 --> 01:00:28,080

us about the bus announcement after all

1503

01:00:31,740 --> 01:00:30,130

these months but he's Tony's attentional

1504

01:00:36,330 --> 01:00:31,750

Swagger's a lot of bass wish that get

1505

01:00:38,250 --> 01:00:36,340

that right please subscribe to potholer

1506

01:00:40,460 --> 01:00:38,260

54 have a look at his latest video

1507

01:00:44,610 --> 01:00:40,470

health vaccinations and junk science a

1508

01:00:47,010 --> 01:00:44,620

wonderful start of a series which I'm

1509

01:00:48,600 --> 01:00:47,020

delighted to say good good one he's

1510

01:00:50,460 --> 01:00:48,610

name's Peter Hadfield Peter Hadfield

1511

01:00:52,650 --> 01:00:50,470

field he came from spoken a secret

1512

01:00:55,470 --> 01:00:52,660

identity yeah well no notes no this

1513

01:00:57,630 --> 01:00:55,480

can't open no secret he spoke at our

1514

01:00:59,970 --> 01:00:57,640

last convention of course yeah and

1515

01:01:03,170 --> 01:00:59,980

before we go it's a present job rachey

1516

01:01:06,980 --> 01:01:03,180

because I just know she loves new moon

1517

01:01:11,100 --> 01:01:06,990

so so this some this is something called

1518

01:01:13,230 --> 01:01:11,110

ECR it's some energetic cellular release

1519

01:01:16,050 --> 01:01:13,240

and was developed by a very clever

1520

01:01:19,500 --> 01:01:16,060

naturopath this is like flashes and the

1521

01:01:21,660 --> 01:01:19,510

purpose of NCR the purpose of ECR is a

1522

01:01:23,100 --> 01:01:21,670

technique to retrain the cells organs

1523

01:01:25,440 --> 01:01:23,110

and glands of the body to react in a

1524

01:01:27,180 --> 01:01:25,450

positive manner to stimuli by releasing

1525

01:01:30,660 --> 01:01:27,190

energetic memories stored in the cells

1526

01:01:31,860 --> 01:01:30,670

of those tissues sorry but but what I

1527

01:01:34,110 --> 01:01:31,870

thought you'd be particularly interested

1528

01:01:36,600 --> 01:01:34,120

in is you know we always talked a lot

1529

01:01:37,950 --> 01:01:36,610

about you no contraindications and you

1530

01:01:40,770 --> 01:01:37,960

know you shouldn't mix medications

1531

01:01:43,830 --> 01:01:40,780

together that have you know interactions

1532

01:01:45,300 --> 01:01:43,840

and so on well apparently there are some

1533

01:01:49,260 --> 01:01:45,310

special instructions that need to be

1534

01:01:50,700 --> 01:01:49,270

taken into account if you have ECR when

1535

01:01:52,770 --> 01:01:50,710

coming to a session it is best that the

1536

01:01:55,530 --> 01:01:52,780

person not be hungry too stressed or to

1537

01:01:57,960 --> 01:01:55,540

fatigue also for three hours afterwards

1538

01:01:59,790 --> 01:01:57,970

avoid any strenuous exercise or energy

1539

01:02:05,009 --> 01:01:59,800

balancing techniques such as acupuncture

1540

01:02:13,859 --> 01:02:05,019

all right here boy don't like to play

1541

01:02:16,289 --> 01:02:13,869

that should be a general rule thanks Joe

1542

01:02:17,759 --> 01:02:16,299

what an interesting way to anything take

1543

01:02:19,469 --> 01:02:17,769

well thank you everybody it's great we I

1544

01:02:22,499 --> 01:02:19,479

don't do think tanks too often anymore

1545

01:02:25,139 --> 01:02:22,509

we should do it illegally I think I know

1546

01:02:27,059 --> 01:02:25,149

the fans are really enjoy it's like

1547

01:02:28,499 --> 01:02:27,069

you're with us everybody listening out

1548

01:02:29,909 --> 01:02:28,509

there it's like you're sitting there you

1549

01:02:31,409 --> 01:02:29,919

are at the end of the table and you're

1550

01:02:33,269 --> 01:02:31,419

raising your guys actually just got a

1551

01:02:35,159 --> 01:02:33,279

tweet from Lucas Randall organizer of

1552

01:02:37,229 --> 01:02:35,169

Melbourne skeptic and he just said hello

1553

01:02:38,789 --> 01:02:37,239

wants to wave to us all here so the your

1554

01:02:40,679 --> 01:02:38,799

you're here with us now actually they're

1555

01:02:41,939 --> 01:02:40,689

recording the science on top podcast at

1556

01:02:44,459 --> 01:02:41,949

the same time as we're recording the

1557

01:02:46,979 --> 01:02:44,469

think tank it so it's all happening but

1558

01:02:48,539 --> 01:02:46,989

Joe thank you for coming along to think

1559

01:02:50,939 --> 01:02:48,549

please note great to see you doctor

1560

01:02:52,649 --> 01:02:50,949

eight years ever thank you I had fun and

1561

01:02:54,630 --> 01:02:52,659

you had some noms to earlier which and

1562

01:02:56,789 --> 01:02:54,640

there's some lobsters lobsters over

1563

01:02:58,079 --> 01:02:56,799

there may not look I had a great time I

1564

01:03:00,299 --> 01:02:58,089

just wanna remind people that Thomas

1565

01:03:01,649 --> 01:03:00,309

Dolby recently visited Australia and was

1566

01:03:03,120 --> 01:03:01,659

interviewed by Tim Ritchie and that's

1567

01:03:05,609 --> 01:03:03,130

available as a podcast find out what

1568

01:03:08,279 --> 01:03:05,619

Thomas Toby's been doing his song toad

1569

01:03:09,959 --> 01:03:08,289

liquors is a real winner and he modern

1570

01:03:11,489 --> 01:03:09,969

he'd made most of his money if you own a

1571

01:03:13,949 --> 01:03:11,499

nokia phone and it's got one of those

1572

01:03:17,579 --> 01:03:13,959

devices in their way you can make your

1573

01:03:20,159 --> 01:03:17,589

own ringtone him he invented that so hit

1574

01:03:21,299 --> 01:03:20,169

every nokia phone sold during the 90s he

1575

01:03:23,039 --> 01:03:21,309

would have got a little bit of a royalty

1576

01:03:24,539 --> 01:03:23,049

on because he was co-inventor of the

1577

01:03:26,159 --> 01:03:24,549

little synth inside there where he could

1578

01:03:28,229 --> 01:03:26,169

make your own was it polyphonic

1579

01:03:30,329 --> 01:03:28,239

ringtones or yeah yeah yeah whatever was

1580

01:03:31,679 --> 01:03:30,339

it made that ringtone every nakia phone

1581

01:03:32,879 --> 01:03:31,689

you got for a while so i'd say he

1582

01:03:34,609 --> 01:03:32,889

probably made more out that they ever

1583

01:03:37,169 --> 01:03:34,619

made out of music that's why he has a

1584

01:03:39,569 --> 01:03:37,179

lifeboat as a studio next to his house

1585

01:03:41,819 --> 01:03:39,579

on the coast of the coast of Wales where

1586

01:03:44,039 --> 01:03:41,829

he lives yet and that's why we have may

1587

01:03:48,389 --> 01:03:44,049

not come along think tank everybody here

1588

01:03:49,529 --> 01:03:48,399

in science but by god I can drink Iran's

1589

01:03:51,989 --> 01:03:49,539

the give thank you for coming alone

1590

01:03:54,089 --> 01:03:51,999

thanks very much sweeter and Stefan yeah

1591

01:03:55,859 --> 01:03:54,099

are you lets us be great to be here this

1592

01:03:57,809 --> 01:03:55,869

once in a blue moon I actually get

1593

01:03:59,909 --> 01:03:57,819

released and allowed to come to the

1594

01:04:01,739 --> 01:03:59,919

today actually not true at all blue

1595

01:04:03,389 --> 01:04:01,749

moons happen much more often there well

1596

01:04:05,639 --> 01:04:03,399

they have happened twice in the last two

1597

01:04:08,399 --> 01:04:05,649

months but this is about it until 2014

1598

01:04:10,139 --> 01:04:08,409

it's been fantastic thank you and until

1599

01:04:14,740 --> 01:04:10,149

our next think tank which I hope is not

1600

01:04:14,750 --> 01:04:48,070

nobody glasses all that

1601
01:04:55,780 --> 01:04:52,280
hey Kenny oh hi Tom I say this part yeah

1602
01:04:58,190 --> 01:04:55,790
yes great weather oh look a unicorn

1603
01:05:01,370 --> 01:04:58,200
unicorn there are no such things as

1604
01:05:03,560 --> 01:05:01,380
unicorns silly yes there is no there

1605
01:05:06,680 --> 01:05:03,570
isn't hey guys what are you arguing

1606
01:05:09,440 --> 01:05:06,690
about tom thinks unicorns are real hey

1607
01:05:12,200 --> 01:05:09,450
so are let's look us up in the skeptics

1608
01:05:14,300 --> 01:05:12,210
dictionary the what how can we do this

1609
01:05:15,980 --> 01:05:14,310
in this park there is the computer here

1610
01:05:18,050 --> 01:05:15,990
you guys probably don't know about the

1611
01:05:20,960 --> 01:05:18,060
skeptics dictionary app available now

1612
01:05:24,470 --> 01:05:20,970
for iPhone iPad and iPod touch in the

1613
01:05:26,300 --> 01:05:24,480

app store Wow cool the app lets you

1614

01:05:27,980 --> 01:05:26,310

access all of the great skeptics

1615

01:05:31,340 --> 01:05:27,990

dictionary articles when you're on the

1616

01:05:34,190 --> 01:05:31,350

go here let me look up unicorns not cool

1617

01:05:36,260 --> 01:05:34,200

Kenny prepare to be proven wrong it says

1618

01:05:40,010 --> 01:05:36,270

here the Unicorn is a creature from

1619

01:05:41,510 --> 01:05:40,020

fables aha actually I see now that

1620

01:05:44,300 --> 01:05:41,520

someone just dumped their ice cream cone

1621

01:05:55,740 --> 01:05:44,310

on that horse's head thanks skeptics

1622

01:06:01,000 --> 01:05:59,020

Richard I'm exhausted Oh Stefan what a

1623

01:06:02,920 --> 01:06:01,010

think tank know what I think team up my

1624

01:06:04,839 --> 01:06:02,930

mom is expanding exploding and

1625

01:06:06,940 --> 01:06:04,849

contracting again Maynard's on the floor

1626

01:06:08,740 --> 01:06:06,950

dr. Rietz in Iran are fighting in the

1627

01:06:10,240 --> 01:06:08,750

corner Joe's gone I don't even I can't

1628

01:06:12,329 --> 01:06:10,250

see us here she's going to look at the

1629

01:06:14,440 --> 01:06:12,339

lobsters I think yeah but one thing that

1630

01:06:16,420 --> 01:06:14,450

dr. Rachel she mentioned something about

1631

01:06:18,700 --> 01:06:16,430

challenging the word it in a court case

1632

01:06:20,770 --> 01:06:18,710

about what the word it means that's

1633

01:06:23,140 --> 01:06:20,780

doing my head in every turn it from now

1634

01:06:25,000 --> 01:06:23,150

on every time I hear the word it I'm

1635

01:06:26,920 --> 01:06:25,010

trying to wonder what what the actual

1636

01:06:30,880 --> 01:06:26,930

meaning of that word is it's it's it's

1637

01:06:33,130 --> 01:06:30,890

difficult it's hard it's it's a it's a

1638

01:06:35,290 --> 01:06:33,140

problem I'm bringing up but yeah look

1639

01:06:37,329 --> 01:06:35,300

great show great show and what were we

1640

01:06:41,859 --> 01:06:37,339

coming back next week with anything well

1641

01:06:43,420 --> 01:06:41,869

I'm off again yeah and a couple in fact

1642

01:06:44,710 --> 01:06:43,430

tomorrow I'm on a plane heading for

1643

01:06:46,810 --> 01:06:44,720

Singapore I'll be here a couple of days

1644

01:06:49,030 --> 01:06:46,820

Oh then I'll be in Edinburgh for about a

1645

01:06:50,410 --> 01:06:49,040

week where i'll be talking to the local

1646

01:06:52,180 --> 01:06:50,420

skeptics mmm we're looking forward to

1647

01:06:55,240 --> 01:06:52,190

that and then i'm heading to Manchester

1648

01:06:58,089 --> 01:06:55,250

for QED Oh Richard why did you come with

1649

01:07:01,809 --> 01:06:58,099

us on though you have the most enviable

1650

01:07:05,319 --> 01:07:01,819

job in the world Maynard's under the

1651
01:07:06,370 --> 01:07:05,329
table come back okay thank you yes well

1652
01:07:07,839 --> 01:07:06,380
I guess we'll be looking forward to

1653
01:07:11,130 --> 01:07:07,849
hearing what's the reports from all your

1654
01:07:13,990 --> 01:07:11,140
journey and I hope so jet lag reports

1655
01:07:16,329 --> 01:07:14,000
but i'll be sending those in producing

1656
01:07:19,089 --> 01:07:16,339
the zone on the fly on the fly fly on

1657
01:07:21,579 --> 01:07:19,099
the old iPad well on the little netbook

1658
01:07:23,170 --> 01:07:21,589
oh really an excellent well I think we

1659
01:07:25,180 --> 01:07:23,180
should just let you get up get packing I

1660
01:07:26,710 --> 01:07:25,190
better go hasport run downstairs and

1661
01:07:29,500 --> 01:07:26,720
start packing my bags get some

1662
01:07:35,020 --> 01:07:29,510
vaccinations I will hello you know see

1663
01:07:42,040 --> 01:07:37,060

you've been listening to the skeptic

1664

01:07:45,820 --> 01:07:42,050

zone visit our website at www.skeptics