

1
00:00:06,129 --> 00:00:13,679
welcome to the skeptic zone the podcast

2
00:00:09,099 --> 00:00:13,679
from Australia for science and reason

3
00:00:21,629 --> 00:00:28,118
hello and welcome to the skeptic zone

4
00:00:24,280 --> 00:00:33,660
episode number 326 for the 17th of

5
00:00:28,118 --> 00:00:35,590
January 2015 Jack Neely said 2014-2015

6
00:00:33,659 --> 00:00:38,198
richardsaunders here with you from

7
00:00:35,590 --> 00:00:42,820
Sydney Australia which I think just

8
00:00:38,198 --> 00:00:45,219
melted off the map oh wow 36 in the city

9
00:00:42,820 --> 00:00:46,659
today I think I was downtown has it

10
00:00:45,219 --> 00:00:51,460
happened downtown Sydney today doing

11
00:00:46,659 --> 00:00:53,529
some work in a business suit II but I'm

12
00:00:51,460 --> 00:00:55,750
back home now to do the skeptic zone

13
00:00:53,530 --> 00:00:58,090
coming up on this week's show we're

14
00:00:55,750 --> 00:01:00,789
gonna kick off with the raw skeptic

15
00:00:58,090 --> 00:01:04,478
Heidi Robertson and I am delighted to

16
00:01:00,789 --> 00:01:06,989
say Heidi is officially our new reporter

17
00:01:04,478 --> 00:01:09,429
on the skeptic zone welcome aboard Heidi

18
00:01:06,989 --> 00:01:11,679
so far unofficially you've been giving

19
00:01:09,430 --> 00:01:14,050
us some great reports and what a report

20
00:01:11,680 --> 00:01:16,390
we have this week from Heidi she visited

21
00:01:14,049 --> 00:01:18,549
what we call a mind-body wallet or a woo

22
00:01:16,390 --> 00:01:21,340
fest or alternative fest call it what

23
00:01:18,549 --> 00:01:23,469
you want up in bangla right up in

24
00:01:21,340 --> 00:01:26,740
northern New South Wales the heartland

25
00:01:23,469 --> 00:01:29,469
of the anti-vaxxers and what an

26
00:01:26,739 --> 00:01:32,259
interesting report it is Heidi describes

27
00:01:29,469 --> 00:01:34,390
what she finds at this festival and then

28
00:01:32,259 --> 00:01:37,269
she's very courageous she actually

29

00:01:34,390 --> 00:01:40,269
stands up for science you'll hear all

30
00:01:37,269 --> 00:01:43,118
about it coming up with the raw skeptic

31
00:01:40,269 --> 00:01:46,149
report and well done Heidi there's a lot

32
00:01:43,118 --> 00:01:47,769
of personal stuff in there Heidi wow

33
00:01:46,149 --> 00:01:49,780
you've really sort of laying yourself

34
00:01:47,769 --> 00:01:52,209
out there all in the name of science

35
00:01:49,780 --> 00:01:54,429
following that it's a week in science

36
00:01:52,209 --> 00:01:59,289
from the Royal Institution of Australia

37
00:01:54,429 --> 00:02:01,810
w WR I a US tour gov au and then to

38
00:01:59,289 --> 00:02:04,450
round off the episode Maynard spooky

39
00:02:01,810 --> 00:02:07,000
action part 2 part 2 of maynards

40
00:02:04,450 --> 00:02:08,409
interview with michael marshall and

41
00:02:07,000 --> 00:02:09,939
michael marshall was the guest of the

42
00:02:08,409 --> 00:02:12,549
australian skeptics at the recent

43
00:02:09,939 --> 00:02:15,879

convention part 2 part 1 was last week

44

00:02:12,550 --> 00:02:18,459

part to this week now before we get into

45

00:02:15,879 --> 00:02:22,449

the show a quick update on the sherry

46

00:02:18,459 --> 00:02:24,280

Tenpenny fiasco we're not sure if she's

47

00:02:22,449 --> 00:02:25,869

coming or not now coming out to

48

00:02:24,280 --> 00:02:29,620

Australia to give talks which were pure

49

00:02:25,870 --> 00:02:32,709

it talks most venues she was slated to

50

00:02:29,620 --> 00:02:34,210

appear at have cancelled the talk this

51

00:02:32,709 --> 00:02:36,490

is a very good thing

52

00:02:34,210 --> 00:02:39,400

and the flying monkeys have been

53

00:02:36,490 --> 00:02:43,689

screeching about free speech and these

54

00:02:39,400 --> 00:02:45,610

people want to stop your your freedom to

55

00:02:43,689 --> 00:02:48,969

listen and although all the rest of it

56

00:02:45,610 --> 00:02:51,070

well no sherry Tampa knee can spout her

57

00:02:48,969 --> 00:02:52,990

nonsense as much as he likes but as i

58
00:02:51,069 --> 00:02:54,759
said on last week's show we have the

59
00:02:52,990 --> 00:02:57,969
right here or venues have the right here

60
00:02:54,759 --> 00:03:00,729
not to have her appear and spout her

61
00:02:57,969 --> 00:03:02,949
nonsense it's a very good thing more

62
00:03:00,729 --> 00:03:05,829
updates as they come to hand over the

63
00:03:02,949 --> 00:03:08,409
next couple of weeks and some news from

64
00:03:05,830 --> 00:03:10,810
our friends at the canberra skeptics the

65
00:03:08,409 --> 00:03:13,629
future of science with Professor Brian

66
00:03:10,810 --> 00:03:17,409
Schmidt Thursday the nineteenth of every

67
00:03:13,629 --> 00:03:19,659
2015 from 6pm until seven-thirty p.m. at

68
00:03:17,409 --> 00:03:22,299
Questacon which is in the National

69
00:03:19,659 --> 00:03:25,479
Science and Technology Center and the

70
00:03:22,300 --> 00:03:26,830
admission is free not to be missed not

71
00:03:25,479 --> 00:03:28,329
to be missed an evening with brian

72
00:03:26,830 --> 00:03:30,640
schmidt and you can find out more

73
00:03:28,330 --> 00:03:34,830
information and get your free tickets at

74
00:03:30,639 --> 00:03:37,479
canberra skeptics dot org not a you /

75
00:03:34,830 --> 00:03:39,820
2015 Schmidt or just go to Canberra

76
00:03:37,479 --> 00:03:41,049
skeptics dog Dalai you well that's

77
00:03:39,819 --> 00:03:42,729
enough from me at the moment I'm going

78
00:03:41,050 --> 00:03:48,160
to run downstairs and have a nice bucket

79
00:03:42,729 --> 00:03:49,689
full of ice with ice for dessert oh yes

80
00:03:48,159 --> 00:03:53,530
folks it's that warm in Sydney Australia

81
00:03:49,689 --> 00:03:56,909
well I'm enjoying my ice I hope you

82
00:03:53,530 --> 00:03:56,909
enjoy this skeptics earn

83
00:04:14,259 --> 00:04:29,120
it's the raw skeptic report with Heidi

84
00:04:18,259 --> 00:04:31,250
Robertson hi everyone last week bangalow

85
00:04:29,120 --> 00:04:34,069
in northern New South Wales hosted the

86

00:04:31,250 --> 00:04:37,149
Starlight festival this festival ran for

87
00:04:34,069 --> 00:04:41,060
three days and included stalls talks and

88
00:04:37,149 --> 00:04:43,939
quote unquote sacred spaces for tarot

89
00:04:41,060 --> 00:04:46,790
readings psychics healers of various

90
00:04:43,939 --> 00:04:49,009
descriptions workshops yogurt chanting

91
00:04:46,790 --> 00:04:52,160
Reiki shamanic journeys crystal healing

92
00:04:49,009 --> 00:04:53,569
and more I thought I'd pop in for a

93
00:04:52,160 --> 00:04:55,670
couple of hours to soak up the

94
00:04:53,569 --> 00:04:58,399
atmosphere and have a chat to some of

95
00:04:55,670 --> 00:05:00,230
the stallholders there after listening

96
00:04:58,399 --> 00:05:02,419
to Michael Marshalls talk at the

97
00:05:00,230 --> 00:05:05,150
Australian National skeptics convention

98
00:05:02,420 --> 00:05:06,830
he talked about politely interacting

99
00:05:05,149 --> 00:05:09,289
with people about their alternative

100
00:05:06,829 --> 00:05:13,069

beliefs in an effort to understand them

101

00:05:09,290 --> 00:05:16,069

I wanted to try out his approach I'd

102

00:05:13,069 --> 00:05:17,779

been to several mind-body-spirit events

103

00:05:16,069 --> 00:05:20,209

in sydney and brisbane over the years

104

00:05:17,779 --> 00:05:23,959

however that was during the time i

105

00:05:20,209 --> 00:05:25,789

subscribed too much of it myself as i

106

00:05:23,959 --> 00:05:26,959

chatted to the various stall holders and

107

00:05:25,790 --> 00:05:29,750

listen to them talking about their

108

00:05:26,959 --> 00:05:32,060

products and services i found myself

109

00:05:29,750 --> 00:05:34,819

internally questioning each claim and

110

00:05:32,060 --> 00:05:37,209

each comment they made that previously i

111

00:05:34,819 --> 00:05:40,370

would have accepted without question

112

00:05:37,209 --> 00:05:42,829

I've been under the illusion that if a

113

00:05:40,370 --> 00:05:46,699

person had a flashy looking website

114

00:05:42,829 --> 00:05:49,370

business cards banners etc they must

115
00:05:46,699 --> 00:05:53,449
have something legitimate to offer yep I

116
00:05:49,370 --> 00:05:56,090
know a tad naive I walked into the hall

117
00:05:53,449 --> 00:05:59,240
feeling like I had a big fat skeptic

118
00:05:56,089 --> 00:06:02,959
sign on my forehead I felt paranoid I

119
00:05:59,240 --> 00:06:05,509
had no idea how to now interact with

120
00:06:02,959 --> 00:06:08,989
people who had products and services I

121
00:06:05,509 --> 00:06:11,810
no longer believed in does one straight

122
00:06:08,990 --> 00:06:15,410
out say one is a skeptic does one

123
00:06:11,810 --> 00:06:15,889
pretend to be a true believer I must say

124
00:06:15,410 --> 00:06:18,319
I

125
00:06:15,889 --> 00:06:20,829
always valued honesty in myself and

126
00:06:18,319 --> 00:06:23,718
others and I didn't want to falsely

127
00:06:20,829 --> 00:06:25,848
misrepresent myself but I didn't want to

128
00:06:23,718 --> 00:06:29,300
immediately put people on the defensive

129
00:06:25,848 --> 00:06:32,959
either so I had no clear idea of any

130
00:06:29,300 --> 00:06:34,699
specific tactic I was going to use i sat

131
00:06:32,959 --> 00:06:37,459
in the middle of all the activity for a

132
00:06:34,699 --> 00:06:41,300
while and after about 20 minutes I

133
00:06:37,459 --> 00:06:44,538
decided I just needed to jump in and see

134
00:06:41,300 --> 00:06:47,509
what happened so I started some

135
00:06:44,538 --> 00:06:50,209
conversations based on how it was going

136
00:06:47,509 --> 00:06:52,370
it became clear pretty quickly what

137
00:06:50,209 --> 00:06:56,718
approach might be suitable for the

138
00:06:52,370 --> 00:07:00,408
situation some when I asked some probing

139
00:06:56,718 --> 00:07:03,439
but always polite questions still became

140
00:07:00,408 --> 00:07:06,348
quite defensive and weary others reacted

141
00:07:03,439 --> 00:07:09,710
to my skeptical questions with gusto and

142
00:07:06,348 --> 00:07:12,139
enthusiasm and when I said that I may

143

00:07:09,709 --> 00:07:14,838
not agree with them but was nevertheless

144
00:07:12,139 --> 00:07:16,930
interested in what they had to say they

145
00:07:14,838 --> 00:07:19,158
thought it was bloody marvelous

146
00:07:16,930 --> 00:07:21,550
overwhelmingly what I picked up from

147
00:07:19,158 --> 00:07:25,120
these conversations was a common thread

148
00:07:21,550 --> 00:07:27,978
that science doesn't know everything in

149
00:07:25,120 --> 00:07:30,379
some cases they believe it should be out

150
00:07:27,978 --> 00:07:33,528
and out mocked and ridiculed for

151
00:07:30,379 --> 00:07:35,750
sticking to the scientific method which

152
00:07:33,528 --> 00:07:39,199
does not allow for intuition and

153
00:07:35,750 --> 00:07:43,788
anecdotal evidence science is

154
00:07:39,199 --> 00:07:46,310
narrow-minded too rigid science has a

155
00:07:43,788 --> 00:07:50,019
long way to go to catch up with what we

156
00:07:46,310 --> 00:07:52,759
are spiritual beings innately know I

157
00:07:50,019 --> 00:07:55,068

also heard when I asked where the

158

00:07:52,759 --> 00:07:58,449

evidence was for a particular claim that

159

00:07:55,069 --> 00:08:02,088

I don't need evidence it just works

160

00:07:58,449 --> 00:08:04,158

followed sometimes by a direction to the

161

00:08:02,088 --> 00:08:07,879

testimonials page of that particular

162

00:08:04,158 --> 00:08:10,370

website some while ridiculing science

163

00:08:07,879 --> 00:08:13,569

then pointed to scientific evidence of

164

00:08:10,370 --> 00:08:16,129

their claims which I found interesting I

165

00:08:13,569 --> 00:08:18,860

found that the science they pointed to

166

00:08:16,129 --> 00:08:22,250

was dubious to say the least one I

167

00:08:18,860 --> 00:08:26,088

talked with was both a tarot card reader

168

00:08:22,250 --> 00:08:27,399

and rebirth ax he was a genuinely lovely

169

00:08:26,088 --> 00:08:30,490

person and we got

170

00:08:27,399 --> 00:08:33,569

well he and his colleague also offered

171

00:08:30,490 --> 00:08:37,269

couples counseling which included

172
00:08:33,570 --> 00:08:39,640
creative play deep bonding work Frank

173
00:08:37,269 --> 00:08:42,278
and realistic approaches to sexual

174
00:08:39,639 --> 00:08:45,730
issues and the cultivation of gratitude

175
00:08:42,278 --> 00:08:49,419
and acceptance they also offered psychic

176
00:08:45,730 --> 00:08:51,420
readings and palm readings I asked if I

177
00:08:49,419 --> 00:08:53,349
could have a psychic reading but

178
00:08:51,419 --> 00:08:55,750
unfortunately for me they were all

179
00:08:53,350 --> 00:08:58,149
booked out that day another stall

180
00:08:55,750 --> 00:09:00,159
offered personalized art works depicting

181
00:08:58,149 --> 00:09:03,338
an image of the client spiritual guide

182
00:09:00,159 --> 00:09:07,179
or guides which could either be human or

183
00:09:03,339 --> 00:09:10,959
animal inform an explanation on the

184
00:09:07,179 --> 00:09:13,838
website reads I work with a spirit

185
00:09:10,958 --> 00:09:16,059
called Orpheus who brings myself the

186
00:09:13,839 --> 00:09:18,550
client and the guide together for the

187
00:09:16,059 --> 00:09:20,919
drawing Orpheus first made his presence

188
00:09:18,549 --> 00:09:23,319
known to me in a reading given at a

189
00:09:20,919 --> 00:09:26,679
spiritualist Church on the Gold Coast in

190
00:09:23,320 --> 00:09:28,870
Queensland Australia at the time I had

191
00:09:26,679 --> 00:09:30,969
no idea who the lady was talking about

192
00:09:28,870 --> 00:09:33,310
and at that point was not aware I was

193
00:09:30,970 --> 00:09:36,580
able to channel spirit guides through my

194
00:09:33,309 --> 00:09:38,889
drawing years later I was preparing to

195
00:09:36,580 --> 00:09:41,528
go to my first platform appearance and

196
00:09:38,889 --> 00:09:44,289
as I gazed at this image of Orpheus I

197
00:09:41,528 --> 00:09:47,889
had channeled for myself I suddenly had

198
00:09:44,289 --> 00:09:50,379
the aha moment that this was a spirit

199
00:09:47,889 --> 00:09:53,199
that had come through to me four or five

200

00:09:50,379 --> 00:09:56,019
years prior thank you for your patience

201
00:09:53,200 --> 00:09:58,270
with me Orpheus I am honored to help in

202
00:09:56,019 --> 00:10:01,689
your work helping people to connect with

203
00:09:58,269 --> 00:10:03,819
their own spiritual guides namaste I

204
00:10:01,690 --> 00:10:06,459
didn't get a chance to talk with that

205
00:10:03,820 --> 00:10:09,910
lady as she was busy with an artwork at

206
00:10:06,458 --> 00:10:12,369
the time the next door holders were also

207
00:10:09,909 --> 00:10:14,980
very interesting the first thing I

208
00:10:12,370 --> 00:10:17,980
noticed were a variety of dowsing or

209
00:10:14,980 --> 00:10:20,399
water divining rods on the table there

210
00:10:17,980 --> 00:10:24,100
was a banner behind than which red

211
00:10:20,399 --> 00:10:28,809
biogenetic balance we balance your land

212
00:10:24,100 --> 00:10:31,990
horse and you this kind of blew my mind

213
00:10:28,809 --> 00:10:36,639
and I thought all I really wanted to

214
00:10:31,990 --> 00:10:40,269

know more firstly they said dowsing rods

215

00:10:36,639 --> 00:10:42,699
were not only for finding water

216

00:10:40,269 --> 00:10:45,669
explain that mother earth has positive

217

00:10:42,700 --> 00:10:47,770
and negative energy fields and that they

218

00:10:45,669 --> 00:10:50,349
could advise on how to find those

219

00:10:47,769 --> 00:10:53,559
positive energy areas on a property for

220

00:10:50,350 --> 00:10:58,389
the family to inhabit by using the rods

221

00:10:53,559 --> 00:11:01,479
I ask that hypothetically if two of them

222

00:10:58,389 --> 00:11:03,939
advised on this independently for a

223

00:11:01,480 --> 00:11:07,210
client without knowing what the other

224

00:11:03,940 --> 00:11:10,390
was advising would they expect to come

225

00:11:07,210 --> 00:11:12,129
up with the same result there was a bit

226

00:11:10,389 --> 00:11:15,639
of an awkward silence where I thought

227

00:11:12,129 --> 00:11:19,360
this could go either way and then one of

228

00:11:15,639 --> 00:11:22,120
them replied good question the answer

229
00:11:19,360 --> 00:11:25,480
finally emerged that it depended on how

230
00:11:22,120 --> 00:11:27,730
much experience the diviner had a more

231
00:11:25,480 --> 00:11:31,090
experienced diviner would probably come

232
00:11:27,730 --> 00:11:33,039
up with the more accurate result out of

233
00:11:31,090 --> 00:11:35,200
the two of them one said his gift had

234
00:11:33,039 --> 00:11:38,289
been passed down through generations and

235
00:11:35,200 --> 00:11:42,670
that he had never asked for it the other

236
00:11:38,289 --> 00:11:45,459
was self-taught so maybe probably was

237
00:11:42,669 --> 00:11:47,529
not as accurate they also said that

238
00:11:45,460 --> 00:11:52,030
science had confirmed that water

239
00:11:47,529 --> 00:11:55,000
divining worked a mazzaro emoto was

240
00:11:52,029 --> 00:11:58,209
presented as the irrefutable scientific

241
00:11:55,000 --> 00:12:01,809
proof that both homeopathy and water

242
00:11:58,210 --> 00:12:04,509
divining are legitimate if you remember

243
00:12:01,809 --> 00:12:06,579
our moto was the Japanese author and

244
00:12:04,509 --> 00:12:09,039
entrepreneur that believed his

245
00:12:06,580 --> 00:12:12,900
experiments showed that human emotion

246
00:12:09,039 --> 00:12:15,909
could alter waters physical structure I

247
00:12:12,899 --> 00:12:18,459
had to resist pointing them to James

248
00:12:15,909 --> 00:12:21,370
Randi and dick Smith's experiments on

249
00:12:18,460 --> 00:12:23,139
the accuracy of water diviners if you

250
00:12:21,370 --> 00:12:26,169
haven't seen it and you're interested

251
00:12:23,139 --> 00:12:29,409
search for James Randi in Australia on

252
00:12:26,169 --> 00:12:32,289
YouTube I've never heard of biogenetic

253
00:12:29,409 --> 00:12:34,990
balance before it's described in their

254
00:12:32,289 --> 00:12:37,389
brochure as energy healing and

255
00:12:34,990 --> 00:12:39,930
associated therapies in the most basic

256
00:12:37,389 --> 00:12:42,970
form as practiced throughout the ages we

257

00:12:39,929 --> 00:12:45,399
are practitioners using energy to

258
00:12:42,970 --> 00:12:48,220
interpret and assist in aligning

259
00:12:45,399 --> 00:12:51,730
imbalance or maintaining optimum

260
00:12:48,220 --> 00:12:53,750
wellness via distance healing that works

261
00:12:51,730 --> 00:12:57,529
on a physical men

262
00:12:53,750 --> 00:12:59,629
too emotional and spiritual level they

263
00:12:57,529 --> 00:13:03,799
provide a service involving them

264
00:12:59,629 --> 00:13:06,049
constructing towers which are located on

265
00:13:03,799 --> 00:13:08,569
the Earth's magnetic energy lines and

266
00:13:06,049 --> 00:13:10,969
act as a conductor by transmitting

267
00:13:08,570 --> 00:13:12,890
subtle energy from the outer atmosphere

268
00:13:10,970 --> 00:13:16,940
through to ground during the daylight

269
00:13:12,889 --> 00:13:19,460
hours balancing the soil at night towers

270
00:13:16,940 --> 00:13:22,390
transmitted to the atmosphere balancing

271
00:13:19,460 --> 00:13:25,009

the air above to match the soil below

272

00:13:22,389 --> 00:13:28,299

they claim that the benefits of this

273

00:13:25,009 --> 00:13:31,580

service include but are not limited to

274

00:13:28,299 --> 00:13:35,049

plant growth and harvest the health of

275

00:13:31,580 --> 00:13:38,389

people and livestock farm profitability

276

00:13:35,049 --> 00:13:41,209

reductions in plant mortality reductions

277

00:13:38,389 --> 00:13:44,539

in pest damage no more need for chemical

278

00:13:41,210 --> 00:13:48,860

sprays soil pH levels remaining neutral

279

00:13:44,539 --> 00:13:50,779

and improved drainage perhaps the most

280

00:13:48,860 --> 00:13:53,300

extraordinary claim of these two was

281

00:13:50,779 --> 00:13:56,419

that they could heal a horse by way of

282

00:13:53,299 --> 00:13:59,209

administering chiropractic adjustments

283

00:13:56,419 --> 00:14:04,549

mentally anywhere nationally or

284

00:13:59,210 --> 00:14:06,080

internationally how I asked they

285

00:14:04,549 --> 00:14:08,750

answered that the owner of the horse

286
00:14:06,080 --> 00:14:11,420
just needs to write down the name of the

287
00:14:08,750 --> 00:14:14,509
horse in their own handwriting on a

288
00:14:11,419 --> 00:14:17,088
piece of paper thus giving permission

289
00:14:14,509 --> 00:14:20,419
for the healer to begin channeling the

290
00:14:17,089 --> 00:14:22,850
healing process another success story

291
00:14:20,419 --> 00:14:25,129
they are related was about a client who

292
00:14:22,850 --> 00:14:26,990
had a cane toad problem which is

293
00:14:25,129 --> 00:14:29,779
certainly not unusual for many of us

294
00:14:26,990 --> 00:14:34,279
here in Australia the procedure they

295
00:14:29,779 --> 00:14:36,829
used went as follows step one they kill

296
00:14:34,279 --> 00:14:39,159
one cane toad on the property with

297
00:14:36,830 --> 00:14:43,430
Dettol which is an over-the-counter

298
00:14:39,159 --> 00:14:48,559
antiseptic step 2 they let the dead cane

299
00:14:43,429 --> 00:14:50,779
toad dry up in the Sun step 3 the ashes

300
00:14:48,559 --> 00:14:53,569
of the cane toad were put into a bowl

301
00:14:50,779 --> 00:14:55,309
made of something I'm sorry I can't

302
00:14:53,570 --> 00:14:58,790
recall what that was but it was

303
00:14:55,309 --> 00:15:01,429
something specific and I confess at this

304
00:14:58,789 --> 00:15:04,490
point I was just trying to keep up step

305
00:15:01,429 --> 00:15:07,099
4 the ashes in the bowl were put out in

306
00:15:04,490 --> 00:15:10,639
the panic during the full moon

307
00:15:07,100 --> 00:15:13,550
result the following day all cane toads

308
00:15:10,639 --> 00:15:17,120
on the property were dead I was asked

309
00:15:13,549 --> 00:15:19,969
how science could explain that i must

310
00:15:17,120 --> 00:15:22,879
say there was an air of triumph and a

311
00:15:19,970 --> 00:15:25,250
gotcha moment on their part i replied

312
00:15:22,879 --> 00:15:27,320
that i could not explain it that no one

313
00:15:25,250 --> 00:15:29,240
could be expected to unless they were

314

00:15:27,320 --> 00:15:32,270
there at the time and saw the whole

315
00:15:29,240 --> 00:15:35,120
process unfold we parted on very good

316
00:15:32,269 --> 00:15:37,039
terms and I said truthfully that I hope

317
00:15:35,120 --> 00:15:38,899
to bump into them again sometime and

318
00:15:37,039 --> 00:15:42,319
that I appreciated their time and

319
00:15:38,899 --> 00:15:45,110
talking to me so now to the part that

320
00:15:42,320 --> 00:15:48,680
went horribly wrong or right depending

321
00:15:45,110 --> 00:15:51,590
on how one looks at it I suppose it was

322
00:15:48,679 --> 00:15:53,989
a talk called Girl Talk for women what

323
00:15:51,590 --> 00:15:56,810
your GP isn't telling you what really

324
00:15:53,990 --> 00:16:00,019
matters when it comes to our body food

325
00:15:56,809 --> 00:16:02,689
and medicine by the title I didn't

326
00:16:00,019 --> 00:16:05,809
realize that this talk was going to be

327
00:16:02,690 --> 00:16:09,020
all about a woman's menstrual cycle

328
00:16:05,809 --> 00:16:11,029

problems and natural treatments that is

329

00:16:09,019 --> 00:16:13,490

treatments provided by the speaker if

330

00:16:11,029 --> 00:16:16,600

you became her client we took off our

331

00:16:13,490 --> 00:16:19,279

shoes and entered a TP type structure

332

00:16:16,600 --> 00:16:22,850

there were six of us all together which

333

00:16:19,279 --> 00:16:25,579

included the speaker we sat on yoga mats

334

00:16:22,850 --> 00:16:28,639

and cushions and the speaker asked me to

335

00:16:25,580 --> 00:16:32,230

pour the others each a cup of herbal tea

336

00:16:28,639 --> 00:16:36,019

I did this albeit somewhat awkwardly

337

00:16:32,230 --> 00:16:39,440

crawling / bending / trying to retain

338

00:16:36,019 --> 00:16:41,659

some semblance of grace / as I reached

339

00:16:39,440 --> 00:16:45,200

across to each participant to hand in

340

00:16:41,659 --> 00:16:47,809

their tea the space certainly had a nice

341

00:16:45,200 --> 00:16:50,120

feeling to it but it was not designed

342

00:16:47,809 --> 00:16:53,359

for people like myself with lower back

343
00:16:50,120 --> 00:16:56,899
issues and people like myself being

344
00:16:53,360 --> 00:16:59,210
clumsy at the best of times without

345
00:16:56,899 --> 00:17:01,970
asking us our names and without further

346
00:16:59,210 --> 00:17:05,509
ado we were each asked to relate what

347
00:17:01,970 --> 00:17:07,370
our menstrual cycles were like she

348
00:17:05,509 --> 00:17:09,950
explains that she wanted the hour

349
00:17:07,369 --> 00:17:13,099
session to be interactive with us all

350
00:17:09,950 --> 00:17:15,860
giving our stories and thoughts I came

351
00:17:13,099 --> 00:17:18,199
to realize later that the thoughts were

352
00:17:15,859 --> 00:17:19,789
only welcome if we agreed with the

353
00:17:18,200 --> 00:17:22,490
speaker's opinions

354
00:17:19,789 --> 00:17:25,819
so anyway the other spoke first about

355
00:17:22,490 --> 00:17:29,930
their cycles and they were very open and

356
00:17:25,819 --> 00:17:32,750
honest then it was my turn forgive me

357
00:17:29,930 --> 00:17:35,830
for the details and believe me I am

358
00:17:32,750 --> 00:17:40,369
sparing you most of the details here but

359
00:17:35,829 --> 00:17:43,009
it is important to the story I told them

360
00:17:40,369 --> 00:17:45,889
I had a contraceptive device put in not

361
00:17:43,009 --> 00:17:47,599
for contraception as such but to help

362
00:17:45,890 --> 00:17:50,030
with the difficulty I had each month

363
00:17:47,599 --> 00:17:53,089
with extensive pain and forced bed rest

364
00:17:50,029 --> 00:17:56,059
I relate how much it had helped me so

365
00:17:53,089 --> 00:18:00,169
much live a normal active life again I

366
00:17:56,059 --> 00:18:03,980
was met with a well that's a different

367
00:18:00,170 --> 00:18:07,340
perspective okay thanks by the speaker

368
00:18:03,980 --> 00:18:09,440
it was then that I noticed she had one

369
00:18:07,339 --> 00:18:12,319
of these devices beside her in its

370
00:18:09,440 --> 00:18:15,320
package alongside various packets of

371

00:18:12,319 --> 00:18:18,980
contraceptive pills realization dawned

372
00:18:15,319 --> 00:18:22,669
on me that perhaps I was the epitome of

373
00:18:18,980 --> 00:18:27,559
everything a woman should not be doing

374
00:18:22,670 --> 00:18:29,570
for optimum female health whoops she

375
00:18:27,559 --> 00:18:32,480
went on to say over the next 20 minutes

376
00:18:29,569 --> 00:18:34,399
or so how a woman's cycle was like the

377
00:18:32,480 --> 00:18:36,890
cycle of the moon and the plants

378
00:18:34,400 --> 00:18:39,470
something about a new moon and a new

379
00:18:36,890 --> 00:18:41,390
phase for women and something about

380
00:18:39,470 --> 00:18:43,910
plants not flowering until they had

381
00:18:41,390 --> 00:18:46,940
strong roots how would lost sight of

382
00:18:43,910 --> 00:18:49,610
this gift and we're now being taught to

383
00:18:46,940 --> 00:18:51,440
think of it as a curse how many of us

384
00:18:49,609 --> 00:18:54,019
have taken the easy way out with

385
00:18:51,440 --> 00:18:57,140

artificial contraceptive devices instead

386

00:18:54,019 --> 00:18:59,420

of embracing our natural cycles she then

387

00:18:57,140 --> 00:19:02,420

passed around the same device I had in

388

00:18:59,420 --> 00:19:05,240

its packet emphasizing to me I'm not

389

00:19:02,420 --> 00:19:07,910

judging you she explained how artificial

390

00:19:05,240 --> 00:19:10,460

contraception was giving us cancer how

391

00:19:07,910 --> 00:19:12,980

could it be any other way she said since

392

00:19:10,460 --> 00:19:16,279

they secreted drugs directly into her

393

00:19:12,980 --> 00:19:18,710

most sensitive woman's bits it was

394

00:19:16,279 --> 00:19:20,960

obvious she said to her that this would

395

00:19:18,710 --> 00:19:24,380

cause changes in the cells that resulted

396

00:19:20,960 --> 00:19:26,809

in cancer she talked about how she as a

397

00:19:24,380 --> 00:19:28,610

skilled practitioner could easily help

398

00:19:26,809 --> 00:19:31,099

people without them going on

399

00:19:28,609 --> 00:19:33,139

contraception and turned to me and told

400
00:19:31,099 --> 00:19:36,169
me she could fix me

401
00:19:33,140 --> 00:19:38,270
with medicinal plants and herbs I became

402
00:19:36,170 --> 00:19:40,700
more and more frustrated and upset as

403
00:19:38,269 --> 00:19:44,119
she talked about doctors taking the easy

404
00:19:40,700 --> 00:19:46,490
way out that she liked doctors but only

405
00:19:44,119 --> 00:19:48,619
for emergency care and diagnostic tools

406
00:19:46,490 --> 00:19:51,170
she said she had taken advantage of

407
00:19:48,619 --> 00:19:53,589
these services but would then often

408
00:19:51,170 --> 00:19:55,820
refuse any recommended treatment plan

409
00:19:53,589 --> 00:19:57,879
preferring to self-treat I've

410
00:19:55,819 --> 00:20:01,099
encountered similar comments before

411
00:19:57,880 --> 00:20:04,310
so-called Western medicine is great for

412
00:20:01,099 --> 00:20:06,889
emergencies and diagnostics but crap but

413
00:20:04,309 --> 00:20:08,750
everything else I've come across it

414
00:20:06,890 --> 00:20:12,140
particularly with the topic of

415
00:20:08,750 --> 00:20:14,390
vaccination some are quite prepared to

416
00:20:12,140 --> 00:20:17,870
take the kids to an emergency department

417
00:20:14,390 --> 00:20:19,430
or a GP for emergency care and to trust

418
00:20:17,869 --> 00:20:22,399
the physicians to administer the

419
00:20:19,430 --> 00:20:25,160
treatment but not trust them when it

420
00:20:22,400 --> 00:20:28,100
comes to vaccinations I don't understand

421
00:20:25,160 --> 00:20:31,850
this why trust doctors to do the best

422
00:20:28,099 --> 00:20:34,399
thing by your child in one situation but

423
00:20:31,849 --> 00:20:37,009
believe that the same doctors are out to

424
00:20:34,400 --> 00:20:39,259
knowingly harm your child in a different

425
00:20:37,009 --> 00:20:42,019
situation if the doctors are in the

426
00:20:39,259 --> 00:20:44,000
pocket of big pharma and you think that

427
00:20:42,019 --> 00:20:46,400
they secretly know that vaccines are

428

00:20:44,000 --> 00:20:48,980
harmful then why on earth would you

429
00:20:46,400 --> 00:20:52,610
trust doctors with your child's life in

430
00:20:48,980 --> 00:20:54,890
a critical situation so then she began

431
00:20:52,609 --> 00:20:57,469
to talk about her opinion of the dangers

432
00:20:54,890 --> 00:20:59,990
of the gardasil vaccine as you can

433
00:20:57,470 --> 00:21:02,029
imagine me being involved in the

434
00:20:59,990 --> 00:21:04,339
Northern Rivers vaccination supporters

435
00:21:02,029 --> 00:21:06,619
group my blood pressure started to

436
00:21:04,339 --> 00:21:07,909
steadily climb if you're not too

437
00:21:06,619 --> 00:21:11,209
familiar with the gardasil vaccine

438
00:21:07,910 --> 00:21:13,880
here's a brief background gardasil is

439
00:21:11,210 --> 00:21:16,460
now offered to preteens in Australia

440
00:21:13,880 --> 00:21:20,090
both girls and boys at about the age of

441
00:21:16,460 --> 00:21:24,519
12 to 13 it's been remarkably successful

442
00:21:20,089 --> 00:21:27,409

in reducing human papillomavirus or HPV

443

00:21:24,519 --> 00:21:31,639

infection which is a significant cause

444

00:21:27,410 --> 00:21:34,790

of cervical cancer and genital warts the

445

00:21:31,640 --> 00:21:37,550

infection can also cause penile and anal

446

00:21:34,789 --> 00:21:41,389

cancers in males and some cancers of the

447

00:21:37,549 --> 00:21:43,549

head and neck the incidence rates of

448

00:21:41,390 --> 00:21:46,060

presentations to clinics with genital

449

00:21:43,549 --> 00:21:49,210

warts have been reduced by about six

450

00:21:46,059 --> 00:21:51,730

and 1 percent since the vaccine has been

451

00:21:49,210 --> 00:21:56,259

introduced in Australia in the year two

452

00:21:51,730 --> 00:21:59,170

thousand seven okay so she began by

453

00:21:56,259 --> 00:22:00,670

talking about how many adverse effects

454

00:21:59,170 --> 00:22:04,120

and deaths they had been from the

455

00:22:00,670 --> 00:22:06,700

gardasil vaccine and it was at this

456

00:22:04,119 --> 00:22:09,099

point that I felt like I would burst a

457
00:22:06,700 --> 00:22:12,430
fufu valve if I didn't speak up

458
00:22:09,099 --> 00:22:15,369
somewhere in the back of my mind I heard

459
00:22:12,430 --> 00:22:20,710
Tim Minchin saying in for a penny in for

460
00:22:15,369 --> 00:22:23,079
a pound so I interjected I began by

461
00:22:20,710 --> 00:22:25,450
saying that the gardasil vaccination

462
00:22:23,079 --> 00:22:28,869
initiative since being introduced in

463
00:22:25,450 --> 00:22:31,420
Australia was a fabulous public health

464
00:22:28,869 --> 00:22:34,089
initiative I gave her some statistics

465
00:22:31,420 --> 00:22:37,360
about just how effective this vaccine

466
00:22:34,089 --> 00:22:40,209
had been thus far she told me she

467
00:22:37,359 --> 00:22:42,429
disagreed and that why would they have

468
00:22:40,210 --> 00:22:45,460
not just continued with pap smears

469
00:22:42,430 --> 00:22:47,440
without the need for the vaccine I said

470
00:22:45,460 --> 00:22:50,380
this was not about opinion and

471
00:22:47,440 --> 00:22:52,299
disagreeing but about the facts when I

472
00:22:50,380 --> 00:22:54,190
mentioned the word science in relation

473
00:22:52,299 --> 00:22:56,169
to the studies I was surprised to see

474
00:22:54,190 --> 00:23:00,190
who visibly recoil it was a very

475
00:22:56,170 --> 00:23:03,670
visceral a very telling reaction this

476
00:23:00,190 --> 00:23:05,529
was not going well at all so I tried

477
00:23:03,670 --> 00:23:07,000
addressing her comment about perhaps me

478
00:23:05,529 --> 00:23:10,690
as being good enough without the vaccine

479
00:23:07,000 --> 00:23:12,759
I explained that pap smears picked up

480
00:23:10,690 --> 00:23:15,580
abnormalities in cells that were already

481
00:23:12,759 --> 00:23:18,519
present whereas the vaccine prevented

482
00:23:15,579 --> 00:23:21,159
infection that pap smears were still

483
00:23:18,519 --> 00:23:24,970
very important as the vaccine does not

484
00:23:21,160 --> 00:23:27,040
cover all strains of HPV infection she

485

00:23:24,970 --> 00:23:28,600
countered with the opinion that if girls

486
00:23:27,039 --> 00:23:30,279
were taught to look after their bodies

487
00:23:28,599 --> 00:23:33,939
and their mental and spiritual health

488
00:23:30,279 --> 00:23:36,519
they would be protected I countered with

489
00:23:33,940 --> 00:23:39,220
the fact that no amount of spiritual

490
00:23:36,519 --> 00:23:41,319
mental or dietary self-help can protect

491
00:23:39,220 --> 00:23:45,430
one against sexually transmittable

492
00:23:41,319 --> 00:23:47,710
diseases she came back with and now

493
00:23:45,430 --> 00:23:53,560
they've started giving boys this vaccine

494
00:23:47,710 --> 00:23:57,130
go figure it makes no sense to me deep

495
00:23:53,559 --> 00:23:59,589
breaths it was at this point I realized

496
00:23:57,130 --> 00:24:00,100
that I was talking with someone who had

497
00:23:59,589 --> 00:24:02,859
not

498
00:24:00,099 --> 00:24:05,859
basic understanding of the vaccine she

499
00:24:02,859 --> 00:24:08,409

was denigrating I told her about the

500

00:24:05,859 --> 00:24:10,719

Penal and anal cancers it also had a

501

00:24:08,410 --> 00:24:12,940

protective effect for that it was

502

00:24:10,720 --> 00:24:15,460

important to give it to pre teens who

503

00:24:12,940 --> 00:24:16,929

were not yet sexually active as around

504

00:24:15,460 --> 00:24:19,390

eighty percent of people will be

505

00:24:16,929 --> 00:24:22,110

infected with HPV at some point in their

506

00:24:19,390 --> 00:24:24,880

lives once they become sexually active

507

00:24:22,109 --> 00:24:27,849

she continued to shift the goalposts

508

00:24:24,880 --> 00:24:29,890

after each refutation I provided she

509

00:24:27,849 --> 00:24:31,959

ignored my statements about pap smears

510

00:24:29,890 --> 00:24:34,960

and why boys needed the vaccine as well

511

00:24:31,960 --> 00:24:37,210

as girls she was angry now no doubt

512

00:24:34,960 --> 00:24:39,100

about it and started talking about how

513

00:24:37,210 --> 00:24:41,829

everyone should be screened before

514
00:24:39,099 --> 00:24:43,178
receiving any vaccine to see if they

515
00:24:41,829 --> 00:24:46,779
were going to have an adverse reaction

516
00:24:43,179 --> 00:24:48,580
at first with this point I thought she

517
00:24:46,779 --> 00:24:52,450
was talking about the small risk of

518
00:24:48,579 --> 00:24:54,970
anaphylaxis but then she said what if

519
00:24:52,450 --> 00:24:58,298
someone has wet kidneys and has a very

520
00:24:54,970 --> 00:25:01,569
strong vaccine given to them I was I

521
00:24:58,298 --> 00:25:04,960
confess at a loss at what to say to that

522
00:25:01,569 --> 00:25:08,589
statement I wanted to say week kidneys

523
00:25:04,960 --> 00:25:10,900
what what I asked here where she was

524
00:25:08,589 --> 00:25:14,649
getting her evidence from she was

525
00:25:10,900 --> 00:25:17,500
visibly flustered and I was too she

526
00:25:14,650 --> 00:25:20,140
replied the same place your evidence is

527
00:25:17,500 --> 00:25:22,210
she then accused me of being very strong

528
00:25:20,140 --> 00:25:25,900
in my opinions when all she was trying

529
00:25:22,210 --> 00:25:28,509
to do was to give her presentation well

530
00:25:25,900 --> 00:25:30,280
she was probably right there I became

531
00:25:28,509 --> 00:25:33,369
aware of how awkward the others in the

532
00:25:30,279 --> 00:25:36,058
group were and i felt quite ashamed that

533
00:25:33,369 --> 00:25:38,829
I had let my emotions get in the way I

534
00:25:36,058 --> 00:25:41,440
excused myself 15 minutes before her

535
00:25:38,829 --> 00:25:42,879
presentation was to end I really felt

536
00:25:41,440 --> 00:25:44,950
like going back to the biogenetic

537
00:25:42,880 --> 00:25:46,870
balance people and asking them to

538
00:25:44,950 --> 00:25:51,130
measure the negative energy in the tent

539
00:25:46,869 --> 00:25:52,959
after I'd left so it's apparently

540
00:25:51,130 --> 00:25:55,690
completely different speaking with

541
00:25:52,960 --> 00:25:59,288
people face-to-face than it is over the

542

00:25:55,690 --> 00:26:01,029
Internet the dynamics are different you

543
00:25:59,288 --> 00:26:04,089
don't have time to gather your thoughts

544
00:26:01,029 --> 00:26:06,308
and emotions when face to face you can't

545
00:26:04,089 --> 00:26:09,099
look up the literature and have multiple

546
00:26:06,308 --> 00:26:11,168
different tabs open in front of you you

547
00:26:09,099 --> 00:26:13,388
see the person in front of you you

548
00:26:11,169 --> 00:26:15,399
perhaps have empathy for them and they

549
00:26:13,388 --> 00:26:17,888
you on the other hand there are also

550
00:26:15,398 --> 00:26:19,718
occurrences where there is no common

551
00:26:17,888 --> 00:26:22,498
ground reached and the anger and

552
00:26:19,719 --> 00:26:25,179
frustration of both parties is palpable

553
00:26:22,499 --> 00:26:26,950
obviously I still have a lot to learn I

554
00:26:25,179 --> 00:26:29,589
don't know the best way to communicate

555
00:26:26,950 --> 00:26:32,459
with people who are immune pardon the

556
00:26:29,588 --> 00:26:35,229

pun to the best evidence that is there

557

00:26:32,459 --> 00:26:37,989

how can you argue against someone who

558

00:26:35,229 --> 00:26:40,209

says that intuition and anecdotal

559

00:26:37,989 --> 00:26:42,729

evidence are more powerful to them in

560

00:26:40,209 --> 00:26:45,159

science to me it has been more than

561

00:26:42,729 --> 00:26:47,409

worthwhile to experience the range of

562

00:26:45,159 --> 00:26:50,349

reactions and emotions I felt during

563

00:26:47,409 --> 00:26:52,299

those few hours I'm sure I'll do it

564

00:26:50,348 --> 00:26:54,668

again one day but I'll make sure that

565

00:26:52,298 --> 00:26:58,088

next time I take along a like-minded

566

00:26:54,669 --> 00:27:00,669

friend for some emotional support thanks

567

00:26:58,088 --> 00:27:04,058

folks find us the Northern Rivers

568

00:27:00,669 --> 00:27:09,549

vaccination supporters on Twitter at n

569

00:27:04,058 --> 00:27:14,319

our backs supporters that's vix or on

570

00:27:09,548 --> 00:27:19,679

facebook or at our website and rvs dot

571
00:27:14,319 --> 00:27:19,678
info thanks again till next time

572
00:27:28,650 --> 00:27:34,600
the skeptic zone is brought to you by

573
00:27:31,089 --> 00:27:38,019
dr. Bob's trivia quiz visit dr. Bob's

574
00:27:34,599 --> 00:27:44,230
quiz wordpress.com and see if you can

575
00:27:38,019 --> 00:27:46,960
match wits with dr. Bob welcome to a

576
00:27:44,230 --> 00:27:49,599
week in science from RI oz bringing you

577
00:27:46,960 --> 00:27:51,130
the science you need to know how will

578
00:27:49,599 --> 00:27:53,709
the inhabitants of the most remote

579
00:27:51,130 --> 00:27:56,530
places on earth fare under a changing

580
00:27:53,710 --> 00:27:58,720
climate not too well as we take a look

581
00:27:56,529 --> 00:28:04,720
at aunt Arctic wildlife and climate

582
00:27:58,720 --> 00:28:08,679
change this is the tale of two penguins

583
00:28:04,720 --> 00:28:14,558
one winner one loser this isn't a deli

584
00:28:08,679 --> 00:28:16,570
penguin this is a gentoo penguin they

585
00:28:14,558 --> 00:28:19,269
are closely related and they both the

586
00:28:16,569 --> 00:28:20,950
krill and the same kinds of fish over

587
00:28:19,269 --> 00:28:23,730
the past few decades our deli

588
00:28:20,950 --> 00:28:26,558
populations have been in rapid decline

589
00:28:23,730 --> 00:28:28,599
during the same period gentoo

590
00:28:26,558 --> 00:28:30,279
populations have grown and they've

591
00:28:28,599 --> 00:28:32,949
extended their distribution further

592
00:28:30,279 --> 00:28:36,158
south it looks like changes in sea ice

593
00:28:32,950 --> 00:28:37,950
due to climate change may be the key gen

594
00:28:36,159 --> 00:28:40,840
toes are adapted to sub-antarctic

595
00:28:37,950 --> 00:28:43,779
islands where they forage in ice-free

596
00:28:40,839 --> 00:28:46,869
areas adelic penguins spend their

597
00:28:43,779 --> 00:28:51,399
winters in the pack ice so one penguins

598
00:28:46,869 --> 00:28:54,548
loss is another birds game newborn

599

00:28:51,400 --> 00:28:57,159
Antarctic fur seals are also feeling the

600
00:28:54,548 --> 00:28:59,288
pinch due to climate change during the

601
00:28:57,159 --> 00:29:01,900
first few months of life Antarctic fur

602
00:28:59,288 --> 00:29:05,109
seal pups are especially vulnerable to

603
00:29:01,900 --> 00:29:07,509
cold conditions climate models may show

604
00:29:05,109 --> 00:29:09,819
an increase in temperature but windier

605
00:29:07,509 --> 00:29:11,710
and wetter conditions mean pups will

606
00:29:09,819 --> 00:29:14,649
have to divert more energy into keeping

607
00:29:11,710 --> 00:29:17,409
warm and less into growing up this

608
00:29:14,650 --> 00:29:20,679
change will dramatically affect fur seal

609
00:29:17,409 --> 00:29:22,270
pup survival rates added to this it is

610
00:29:20,679 --> 00:29:25,150
likely that climate change will affect

611
00:29:22,269 --> 00:29:27,730
the availability of prey placing even

612
00:29:25,150 --> 00:29:30,070
more stress on the vulnerable pups and

613
00:29:27,730 --> 00:29:33,960

now for fast facts about Aunt Arctic

614

00:29:30,069 --> 00:29:36,730

wildlife and climate change

615

00:29:33,960 --> 00:29:38,890

Antarctic whale species such as Mickey's

616

00:29:36,730 --> 00:29:41,049

and humpbacks could lose between five

617

00:29:38,890 --> 00:29:44,290

and thirty percent of their habitat as

618

00:29:41,049 --> 00:29:46,930

the oceans warm leopard seals face an

619

00:29:44,289 --> 00:29:49,869

uncertain future as large areas of sea

620

00:29:46,930 --> 00:29:52,090

ice on which they breed disappear krill

621

00:29:49,869 --> 00:29:54,549

the Southern Oceans main food source are

622

00:29:52,089 --> 00:29:57,609

in decline with losses of up to eighty

623

00:29:54,549 --> 00:30:00,789

percent in some areas in the past 30

624

00:29:57,609 --> 00:30:03,399

years and the annual migration of killer

625

00:30:00,789 --> 00:30:06,099

whales may be severely affected by the

626

00:30:03,400 --> 00:30:07,890

loss of ice floes normally they would

627

00:30:06,099 --> 00:30:11,230

follow these around the polar seas

628
00:30:07,890 --> 00:30:13,330
that's it for this a week in science for

629
00:30:11,230 --> 00:30:15,309
more information on antarctic wildlife

630
00:30:13,329 --> 00:30:19,929
and climate change go to the our oils

631
00:30:15,309 --> 00:30:22,599
website are I a USDA you follow us on

632
00:30:19,930 --> 00:30:25,180
twitter at our iOS and like us on

633
00:30:22,599 --> 00:30:46,480
facebook i'm paul willis and we'll catch

634
00:30:25,180 --> 00:30:49,269
you back here next week QED 2015 with

635
00:30:46,480 --> 00:30:52,569
Matt Dillahunty Lucy green Bruce hood

636
00:30:49,269 --> 00:30:54,730
and more tickets for QED 2015 are

637
00:30:52,569 --> 00:30:56,439
currently on sale to get your ticket to

638
00:30:54,730 --> 00:31:00,430
one of the highlights of the skeptical

639
00:30:56,440 --> 00:31:03,789
humanist calendar visit QED con dot org

640
00:31:00,430 --> 00:31:06,070
slash tickets and what a lineup QED has

641
00:31:03,789 --> 00:31:09,759
this year including oh one of my

642
00:31:06,069 --> 00:31:12,279
favorites dr. Harriet Hall I met Harriet

643
00:31:09,759 --> 00:31:13,819
years ago actually on an amazing

644
00:31:12,279 --> 00:31:16,910
adventure

645
00:31:13,819 --> 00:31:18,889
the skeptic she's called absolutely

646
00:31:16,910 --> 00:31:20,240
worth the price of admission alone dr.

647
00:31:18,890 --> 00:31:22,820
Harriet hall but of course professor

648
00:31:20,240 --> 00:31:24,859
bruce hood he's a funny guy he's great

649
00:31:22,819 --> 00:31:26,599
always good value all sorts of other

650
00:31:24,859 --> 00:31:28,429
people will be there ritz will certainly

651
00:31:26,599 --> 00:31:30,289
know mitch benn who's going to be there

652
00:31:28,430 --> 00:31:32,900
and you can meet the one and only

653
00:31:30,289 --> 00:31:35,269
Michael Marshall as well as all the

654
00:31:32,900 --> 00:31:37,700
other merseyside skeptics and the

655
00:31:35,269 --> 00:31:39,889
skeptics from Manchester I had a great

656

00:31:37,700 --> 00:31:42,140
time at QED two years running I was

657
00:31:39,890 --> 00:31:44,120
there how lucky was high it certainly is

658
00:31:42,140 --> 00:31:46,910
one of the better skeptical conventions

659
00:31:44,119 --> 00:31:50,929
anywhere in the world don't delay get

660
00:31:46,910 --> 00:31:54,050
your ticket to QED con org slash tickets

661
00:31:50,930 --> 00:31:55,640
question explore discover and this is

662
00:31:54,049 --> 00:31:58,849
being held in Manchester of course at

663
00:31:55,640 --> 00:32:01,550
the Palace Hotel and that's where that

664
00:31:58,849 --> 00:32:03,709
area at trafford that's where my great

665
00:32:01,549 --> 00:32:05,089
grandmother came from so i've got a sort

666
00:32:03,710 --> 00:32:08,450
of a little connection with that area

667
00:32:05,089 --> 00:32:13,299
again QED what a great conference it is

668
00:32:08,450 --> 00:32:13,299
kicking off on friday the 24th of april

669
00:32:21,609 --> 00:32:28,839
here's may not spooky action at a

670
00:32:26,269 --> 00:32:28,839

distance

671

00:32:29,210 --> 00:32:34,100

I couldn't be more excited because I'm

672

00:32:32,480 --> 00:32:37,880

with one the biggest skeptics in the UK

673

00:32:34,099 --> 00:32:39,918

we've got Marsh from for the most had to

674

00:32:37,880 --> 00:32:42,380

get excited from skeptics with a k from

675

00:32:39,919 --> 00:32:44,210

this and that really a bit everywhere

676

00:32:42,380 --> 00:32:46,159

well perhaps the most exciting thing on

677

00:32:44,210 --> 00:32:47,870

your show I've ever discovered is what i

678

00:32:46,159 --> 00:32:49,399

call the great big book of and

679

00:32:47,869 --> 00:32:51,829

you brought it to Australia with you

680

00:32:49,398 --> 00:32:53,509

tell the listeners all about this yeah I

681

00:32:51,829 --> 00:32:55,009

love this so this is the giant book of

682

00:32:53,509 --> 00:32:56,599

fantastic facts and how it came about is

683

00:32:55,009 --> 00:32:58,579

there's that Mike whole who's the the

684

00:32:56,599 --> 00:32:59,658

presenter skeptical okay look I'm gonna

685
00:32:58,579 --> 00:33:01,250
put your reading glasses on for this

686
00:32:59,659 --> 00:33:03,649
because I expected it to be a bit more

687
00:33:01,250 --> 00:33:05,240
Bible like and not as childlike it's

688
00:33:03,648 --> 00:33:06,229
actually more childlike than I thought I

689
00:33:05,240 --> 00:33:08,269
thought it was going to be a bit more

690
00:33:06,230 --> 00:33:09,259
you know their chariots of the gods kind

691
00:33:08,269 --> 00:33:11,119
of thing you know a bit more Erich von

692
00:33:09,259 --> 00:33:12,950
Daniken are von Daniken you know I tried

693
00:33:11,119 --> 00:33:14,778
to interview von Daniken we just didn't

694
00:33:12,950 --> 00:33:16,250
get a date for it I've got it he's still

695
00:33:14,778 --> 00:33:18,079
on my leg oh you gotta go good cuz he's

696
00:33:16,250 --> 00:33:19,429
got the bling he has got the Rings he

697
00:33:18,079 --> 00:33:21,379
likes to smoke the cigar always has a

698
00:33:19,429 --> 00:33:23,298
glass of fine scotch with him he's top

699
00:33:21,380 --> 00:33:24,740
yeah I'd love to speak to him but yeah

700
00:33:23,298 --> 00:33:26,058
so it's a giant book of facts it is it

701
00:33:24,740 --> 00:33:27,589
is a kids book and it's a kids book back

702
00:33:26,058 --> 00:33:29,839
Michael the president the mosrite

703
00:33:27,589 --> 00:33:31,189
skeptics had when he was a kid and he

704
00:33:29,839 --> 00:33:32,148
read it and he believed every word of

705
00:33:31,190 --> 00:33:33,380
this because you were a kid it's in a

706
00:33:32,148 --> 00:33:35,898
book it's written down it must be true

707
00:33:33,380 --> 00:33:37,669
well it started something on the its

708
00:33:35,898 --> 00:33:39,678
effect that hippos are heavier than

709
00:33:37,669 --> 00:33:41,360
humans I'm sorry but her all that well

710
00:33:39,679 --> 00:33:42,830
it's true that that is a fact you know

711
00:33:41,359 --> 00:33:44,119
that that is that is a monday in fact

712
00:33:42,829 --> 00:33:46,548
that's in there but some of the other

713

00:33:44,119 --> 00:33:48,739
fact in here are not actual fact at all

714
00:33:46,548 --> 00:33:50,629
in fact one of them in here is we i said

715
00:33:48,740 --> 00:33:51,890
they're pretty poor drawings too oh god

716
00:33:50,630 --> 00:33:53,570
yeah they're they're really really awful

717
00:33:51,890 --> 00:33:55,460
and then one of the stories in here was

718
00:33:53,569 --> 00:33:57,379
about a guy who he got out of bed one

719
00:33:55,460 --> 00:33:58,730
day and he's feet didn't touch the

720
00:33:57,380 --> 00:34:00,380
ground and he spent the entire they're

721
00:33:58,730 --> 00:34:02,120
just floating around and then at the end

722
00:34:00,380 --> 00:34:04,370
of the day he landed again and he could

723
00:34:02,119 --> 00:34:08,418
never fly again that's complete nonsense

724
00:34:04,369 --> 00:34:10,190
yeah what the citation please what and

725
00:34:08,418 --> 00:34:11,838
obviously none of this has any kind of

726
00:34:10,190 --> 00:34:13,338
evidence behind it so this what Mike did

727
00:34:11,838 --> 00:34:14,358

he remember when we were starting when

728

00:34:13,338 --> 00:34:15,769
we do in the middle of a show he

729

00:34:14,358 --> 00:34:17,598
remembered this book as a kid and he

730

00:34:15,769 --> 00:34:18,918
thought hang on this was nonsense you

731

00:34:17,599 --> 00:34:20,240
know he could and he found a copy of it

732

00:34:18,918 --> 00:34:22,279
so he bought a copy then what we do

733

00:34:20,239 --> 00:34:24,108
every week on the show is pick a story

734

00:34:22,280 --> 00:34:25,429
and he'd read it out to us as it appears

735

00:34:24,108 --> 00:34:26,869
in the book and we have to kind of guess

736

00:34:25,429 --> 00:34:28,309
whether we think it's true or false and

737

00:34:26,869 --> 00:34:29,599
then he do the research to figure out if

738

00:34:28,309 --> 00:34:32,179
it was true a lot can you give us a

739

00:34:29,599 --> 00:34:33,559
sample here one of your favorites uh let

740

00:34:32,179 --> 00:34:34,789
me have a seat I mean there was warning

741

00:34:33,559 --> 00:34:36,619
I got this book has come all the way

742
00:34:34,789 --> 00:34:39,079
from England everybody this is real this

743
00:34:36,619 --> 00:34:41,539
is judges this is a literature royalty

744
00:34:39,079 --> 00:34:42,239
it is absolutely it's come from I

745
00:34:41,539 --> 00:34:43,829
brought it all

746
00:34:42,239 --> 00:34:44,969
with me but there's a fantastic sorry I

747
00:34:43,829 --> 00:34:47,489
wouldn't if I can find it which was

748
00:34:44,969 --> 00:34:49,888
about a guy during the Second World War

749
00:34:47,489 --> 00:34:52,079
who was flying a plane and he had to

750
00:34:49,889 --> 00:34:53,399
bail out of the plane so I saw drawing

751
00:34:52,079 --> 00:34:54,840
of someone with their hands up earlier i

752
00:34:53,398 --> 00:34:56,128
think was it was the sadorian got

753
00:34:54,840 --> 00:34:58,619
talking with the hand well he was flying

754
00:34:56,128 --> 00:35:00,179
a plane at the time and he had to bail

755
00:34:58,619 --> 00:35:01,970
out of the plane because it had been it

756
00:35:00,179 --> 00:35:04,259
had been shot down and so he didn't have

757
00:35:01,969 --> 00:35:06,329
parachute training like that so he just

758
00:35:04,260 --> 00:35:08,100
jumped out and he was like you know

759
00:35:06,329 --> 00:35:09,989
40,000 feet in the air attend 20,000

760
00:35:08,099 --> 00:35:11,940
feet in the air or whatever and he fell

761
00:35:09,989 --> 00:35:13,199
and because he landed in some snow it

762
00:35:11,940 --> 00:35:15,090
cushioned his fall and he's totally

763
00:35:13,199 --> 00:35:16,769
survived it was absolutely fine but we

764
00:35:15,090 --> 00:35:18,600
thought this has got to be nonsense you

765
00:35:16,769 --> 00:35:20,070
can't jump out of a plane to survive but

766
00:35:18,599 --> 00:35:21,449
might look into it it was absolutely

767
00:35:20,070 --> 00:35:23,789
true well and it was even more

768
00:35:21,449 --> 00:35:25,919
interesting that the guy who did landed

769
00:35:23,789 --> 00:35:26,969
a massive bale of snow fall was broken

770

00:35:25,920 --> 00:35:28,409
by some trees he jumped out of a plane

771
00:35:26,969 --> 00:35:30,539
at near the highest kind of height that

772
00:35:28,409 --> 00:35:33,289
he'd been flying as a fighter pilot and

773
00:35:30,539 --> 00:35:35,159
then he was captured and he went into a

774
00:35:33,289 --> 00:35:38,099
concentration camp for a while your

775
00:35:35,159 --> 00:35:40,589
prisoner of war camp and he was part of

776
00:35:38,099 --> 00:35:42,000
the the film that the part of the the

777
00:35:40,590 --> 00:35:43,559
actual escape that the Great Escape was

778
00:35:42,000 --> 00:35:44,760
based on ok but he didn't try and escape

779
00:35:43,559 --> 00:35:46,380
because he was claustrophobic and

780
00:35:44,760 --> 00:35:48,270
couldn't go through the tunnels so he's

781
00:35:46,380 --> 00:35:49,740
okay taking a dive from 40,000 feet

782
00:35:48,269 --> 00:35:51,659
without a parachute but going a tunnel

783
00:35:49,739 --> 00:35:52,889
no way yeah exactly and this turned out

784
00:35:51,659 --> 00:35:54,629

to be true you know and this is that the

785

00:35:52,889 --> 00:35:56,849

really weird thing about this book is

786

00:35:54,630 --> 00:35:58,260

that you got such a range of complete

787

00:35:56,849 --> 00:36:00,150

nonsense in there but every now and

788

00:35:58,260 --> 00:36:02,369

again you'll just find a story that's

789

00:36:00,150 --> 00:36:03,750

absolutely true you know and it there's

790

00:36:02,369 --> 00:36:06,630

another story in here about the old old

791

00:36:03,750 --> 00:36:08,070

very old man it was uh it said I how

792

00:36:06,630 --> 00:36:09,809

those who played a lot of bingo and

793

00:36:08,070 --> 00:36:11,820

drank port well apparently he'd lived

794

00:36:09,809 --> 00:36:13,289

like 200 years and then one day he died

795

00:36:11,820 --> 00:36:16,170

in the autopsy demand they found nothing

796

00:36:13,289 --> 00:36:17,369

weird and we don't know it clearly

797

00:36:16,170 --> 00:36:19,710

wasn't true but what we think actually

798

00:36:17,369 --> 00:36:20,970

happened was he had a son with the same

799

00:36:19,710 --> 00:36:22,920

name as him and somewhere down the line

800

00:36:20,969 --> 00:36:24,899

the records got confused and it made him

801

00:36:22,920 --> 00:36:26,250

look like he was using crabby old but

802

00:36:24,900 --> 00:36:28,849

you know it's a well-known story about

803

00:36:26,250 --> 00:36:32,250

there's also some great mistake is a few

804

00:36:28,849 --> 00:36:34,589

typos in there as well yeah well impart

805

00:36:32,250 --> 00:36:36,179

typos and just though glaring factual

806

00:36:34,590 --> 00:36:37,350

inaccuracies are amazing at one point

807

00:36:36,179 --> 00:36:39,089

they talk about you know the theory of

808

00:36:37,349 --> 00:36:40,829

relativity which was invented by Gilbert

809

00:36:39,090 --> 00:36:42,750

Einstein but how do you not fact check

810

00:36:40,829 --> 00:36:44,159

that of all things as the easiest thing

811

00:36:42,750 --> 00:36:46,320

in the world to find out who believes

812

00:36:44,159 --> 00:36:48,089

he's called you know Gilbert yeah it's a

813
00:36:46,320 --> 00:36:50,789
remarkable to me you can you can touch

814
00:36:48,090 --> 00:36:53,190
the edges of the hands of the book I'm

815
00:36:50,789 --> 00:36:53,800
just touching the page the battle of the

816
00:36:53,190 --> 00:36:55,570
ghosts

817
00:36:53,800 --> 00:36:57,130
now is this some biblical story what

818
00:36:55,570 --> 00:37:00,250
tell us about farm workers on their way

819
00:36:57,130 --> 00:37:01,780
home from work from banbury kintin is

820
00:37:00,250 --> 00:37:03,219
at his particular specialty place or not

821
00:37:01,780 --> 00:37:04,630
is that a ghost he plays I don't know

822
00:37:03,219 --> 00:37:07,059
him erection they're saying that they

823
00:37:04,630 --> 00:37:08,530
saw and heard an action replay of the

824
00:37:07,059 --> 00:37:10,090
Battle of Edgehill which is fought three

825
00:37:08,530 --> 00:37:11,260
months earlier and how they saw this

826
00:37:10,090 --> 00:37:12,490
they were sort of terrified and the

827

00:37:11,260 --> 00:37:14,140
whole thing was apparently gorse that

828
00:37:12,489 --> 00:37:15,549
were playing it out it says they're

829
00:37:14,139 --> 00:37:16,989
appalled is probably the only ghost

830
00:37:15,550 --> 00:37:19,330
story accepted in the documents of the

831
00:37:16,989 --> 00:37:20,919
public records of office as authentic I

832
00:37:19,329 --> 00:37:22,299
don't know if it's true I don't think

833
00:37:20,920 --> 00:37:24,940
never got to this one on the show well

834
00:37:22,300 --> 00:37:27,039
that sets page 180 and that that that's

835
00:37:24,940 --> 00:37:28,840
that fall squarely in the hearsay

836
00:37:27,039 --> 00:37:30,909
category does not really yeah absolutely

837
00:37:28,840 --> 00:37:32,079
no no I think this is kind of so many

838
00:37:30,909 --> 00:37:33,730
these stories I think a lot of the

839
00:37:32,079 --> 00:37:35,710
stories that we didn't get to it was

840
00:37:33,730 --> 00:37:36,909
simply that we couldn't video there was

841
00:37:35,710 --> 00:37:38,199

bid it with aren't enough in there to

842

00:37:36,909 --> 00:37:39,339

figure out whether it was true or not

843

00:37:38,199 --> 00:37:41,169

but then you got other stuff like

844

00:37:39,340 --> 00:37:43,450

another story of Tycho Brahe he and how

845

00:37:41,170 --> 00:37:45,730

he had a golden nose and its kind in in

846

00:37:43,449 --> 00:37:47,319

real life yeah I just cuz good because

847

00:37:45,730 --> 00:37:49,059

he did a lot of charlie is that the

848

00:37:47,320 --> 00:37:50,680

reason why i don't know i can't even

849

00:37:49,059 --> 00:37:52,179

while he lost his nose i can never keep

850

00:37:50,679 --> 00:37:53,739

money in the bank account yeah that was

851

00:37:52,179 --> 00:37:55,269

a he lost his nose in a duel it was

852

00:37:53,739 --> 00:37:56,799

sliced off by a slasher and opponents

853

00:37:55,269 --> 00:37:58,599

are this is what the story was and it

854

00:37:56,800 --> 00:38:00,250

also says he was usually withdrawing 200

855

00:37:58,599 --> 00:38:02,500

bucks from the ATM late at night on a

856
00:38:00,250 --> 00:38:04,150
friday and saturday and that's why it

857
00:38:02,500 --> 00:38:05,650
was known for the golden rose yeah

858
00:38:04,150 --> 00:38:07,210
exactly but it turns out you know this

859
00:38:05,650 --> 00:38:09,579
was a real story Tycho hopera he's a

860
00:38:07,210 --> 00:38:11,199
really famous astronomer we believe his

861
00:38:09,579 --> 00:38:13,420
no wasn't his nose wasn't gold i think

862
00:38:11,199 --> 00:38:14,859
it was like a copper mix one of the

863
00:38:13,420 --> 00:38:16,690
theories about how he died was that it

864
00:38:14,860 --> 00:38:17,769
was poisoning metal pot heavy metal

865
00:38:16,690 --> 00:38:19,420
poisoning from the north could

866
00:38:17,769 --> 00:38:21,849
apparently he was at he sat at dinner

867
00:38:19,420 --> 00:38:23,680
and apparently he was too polite to get

868
00:38:21,849 --> 00:38:26,079
up to got the bathroom and he died when

869
00:38:23,679 --> 00:38:27,399
that kind of killed him ago that he'd he

870
00:38:26,079 --> 00:38:29,079
would he SAT there for far too long and

871
00:38:27,400 --> 00:38:31,300
didn't excrete when he should have done

872
00:38:29,079 --> 00:38:33,069
and that killed a guy with a really

873
00:38:31,300 --> 00:38:34,390
obvious golden knows not one to go up

874
00:38:33,070 --> 00:38:35,890
and have a slash that's that's very odd

875
00:38:34,389 --> 00:38:37,119
behavior well he wouldn't want to stand

876
00:38:35,889 --> 00:38:38,949
out I suppose you know he wouldn't want

877
00:38:37,119 --> 00:38:40,869
to stand out to anyone with the golden

878
00:38:38,949 --> 00:38:42,939
nose so is this book being completely

879
00:38:40,869 --> 00:38:44,619
exhausted on skeptics with okay I think

880
00:38:42,940 --> 00:38:46,300
so you know I think so it's it's a real

881
00:38:44,619 --> 00:38:47,889
shame because it was a fun fun segment

882
00:38:46,300 --> 00:38:50,200
but I heard rumors it was a follow-up

883
00:38:47,889 --> 00:38:52,599
book you guys got yeah there was another

884

00:38:50,199 --> 00:38:53,679
giant bucket fantastic fact I wasn't

885
00:38:52,599 --> 00:38:55,449
just the same moment of different cover

886
00:38:53,679 --> 00:38:57,879
oh no it wasn't was it was a next

887
00:38:55,449 --> 00:38:59,019
version but it was all true it was

888
00:38:57,880 --> 00:39:00,610
really disappointing there was no

889
00:38:59,019 --> 00:39:01,989
there's no nonsense there so they're my

890
00:39:00,610 --> 00:39:03,579
got a fact checker for the second one

891
00:39:01,989 --> 00:39:04,989
what apparently was written by there's

892
00:39:03,579 --> 00:39:06,670
like three or four guys who wrote the

893
00:39:04,989 --> 00:39:08,589
original and one of

894
00:39:06,670 --> 00:39:10,090
left so the the follow-up didn't have

895
00:39:08,590 --> 00:39:12,130
one of those guys in there and there's

896
00:39:10,090 --> 00:39:13,269
obviously I'm making up the yeah we

897
00:39:12,130 --> 00:39:14,470
assumed me that he was just the guy who

898
00:39:13,269 --> 00:39:15,789

was just the but I should just

899

00:39:14,469 --> 00:39:17,739

I don't know whether he was doing on

900

00:39:15,789 --> 00:39:19,090

purpose we like drunk well I like the

901

00:39:17,739 --> 00:39:20,229

idea that he was like you'll never guess

902

00:39:19,090 --> 00:39:21,309

who I've got them to believe this time

903

00:39:20,230 --> 00:39:23,440

you know never guess what I managed to

904

00:39:21,309 --> 00:39:24,909

slide into the book yeah Wow look I'm

905

00:39:23,440 --> 00:39:26,470

gonna take a photo whether you so people

906

00:39:24,909 --> 00:39:27,879

know this book is in the country even

907

00:39:26,469 --> 00:39:29,049

just for a limited time any trouble

908

00:39:27,880 --> 00:39:30,369

getting us through customs at all they

909

00:39:29,050 --> 00:39:32,019

said I was cute and so you're carrying

910

00:39:30,369 --> 00:39:33,429

too much with you well they did

911

00:39:32,019 --> 00:39:35,469

think it was contraband obviously any

912

00:39:33,429 --> 00:39:37,179

kind of biological material is his band

913
00:39:35,469 --> 00:39:38,589
coming to Australia this cut constitutes

914
00:39:37,179 --> 00:39:40,179
i think so i think it had

915
00:39:38,590 --> 00:39:41,740
enough elements of bull left in it that

916
00:39:40,179 --> 00:39:44,829
it set off the scanners oh cuz it's

917
00:39:41,739 --> 00:39:46,419
actually it's a legal obligation on

918
00:39:44,829 --> 00:39:47,980
myself to ask what do you think of

919
00:39:46,420 --> 00:39:49,720
Australia so far we always have to ask

920
00:39:47,980 --> 00:39:51,340
people that you know I'm really enjoying

921
00:39:49,719 --> 00:39:52,989
it not that I thought I wouldn't but

922
00:39:51,340 --> 00:39:54,610
yeah I mean Sydney's a fantastic City

923
00:39:52,989 --> 00:39:56,559
and I've said you were complaining you

924
00:39:54,610 --> 00:39:58,510
couldn't get pints last night at the bar

925
00:39:56,559 --> 00:39:59,949
i managed to convince someone to give me

926
00:39:58,510 --> 00:40:01,060
a pint but every time i asked he was

927
00:39:59,949 --> 00:40:02,289
giving me a schooner and I don't like

928
00:40:01,059 --> 00:40:04,000
this kind of schooner creep that were

929
00:40:02,289 --> 00:40:05,590
because it's happening in the UK this

930
00:40:04,000 --> 00:40:07,000
kind of creep towards using schooners I

931
00:40:05,590 --> 00:40:08,890
don't trust that I think it's just away

932
00:40:07,000 --> 00:40:10,090
for trendy bars to sell you less than a

933
00:40:08,889 --> 00:40:12,250
pint for more than a point would cause

934
00:40:10,090 --> 00:40:14,380
how much less than a pint is it I think

935
00:40:12,250 --> 00:40:16,539
about two-thirds yeah that's significant

936
00:40:14,380 --> 00:40:17,680
daily yeah but no I'm really enjoying it

937
00:40:16,539 --> 00:40:18,820
and what about that beer here of course

938
00:40:17,679 --> 00:40:20,949
that everyone makes a big deal about

939
00:40:18,820 --> 00:40:22,630
there being cold and their beer being

940
00:40:20,949 --> 00:40:24,460
very different to English because your

941

00:40:22,630 --> 00:40:25,480
favorite viewers want uh you know I

942
00:40:24,460 --> 00:40:26,800
don't know i'll drink pretty much

943
00:40:25,480 --> 00:40:28,150
anything this is a terrible thing any

944
00:40:26,800 --> 00:40:30,280
kind of beers i know that i think i'll

945
00:40:28,150 --> 00:40:31,570
drink i like a pint of guinness started

946
00:40:30,280 --> 00:40:33,340
drinking that when i was a kid when I

947
00:40:31,570 --> 00:40:34,870
was like 17 18 just to try and put some

948
00:40:33,340 --> 00:40:36,579
weight on clothes incredibly thin at the

949
00:40:34,869 --> 00:40:38,319
time you're still pretty thin it's a

950
00:40:36,579 --> 00:40:40,389
solid drink yeah no it's good I'm

951
00:40:38,320 --> 00:40:42,070
unfortunate i'm going to Dublin to speak

952
00:40:40,389 --> 00:40:43,449
to the Irish skeptics in FEHB you next

953
00:40:42,070 --> 00:40:44,920
year so I'll be definitely sampling

954
00:40:43,449 --> 00:40:46,629
plenty the Guinness there but now I've

955
00:40:44,920 --> 00:40:48,159

enjoyed the Aussie beer and you know the

956

00:40:46,630 --> 00:40:49,930

company's great I think I've long said

957

00:40:48,159 --> 00:40:51,309

that the Aussie skeptics are probably my

958

00:40:49,929 --> 00:40:53,529

favorite group in the world because I

959

00:40:51,309 --> 00:40:55,239

think we've got a it's like a kindred

960

00:40:53,530 --> 00:40:56,440

group to what we do with merseyside and

961

00:40:55,239 --> 00:40:57,519

with QED the conference that are run

962

00:40:56,440 --> 00:40:59,139

because we've all got the same kind of

963

00:40:57,519 --> 00:41:00,730

spirit of kind of let's all just mucking

964

00:40:59,139 --> 00:41:02,589

we're all in this together you know

965

00:41:00,730 --> 00:41:04,240

we're all sharing these this value

966

00:41:02,590 --> 00:41:05,650

system this idea of kind of challenging

967

00:41:04,239 --> 00:41:07,149

stuff and questions and stuff looking

968

00:41:05,650 --> 00:41:09,579

for evidence and trying to help people

969

00:41:07,150 --> 00:41:11,440

outside of outside of that kind of

970
00:41:09,579 --> 00:41:13,809
community so yeah the other skeptics I

971
00:41:11,440 --> 00:41:15,639
love look at the critics that I meet

972
00:41:13,809 --> 00:41:16,929
locally complain all you guys just go

973
00:41:15,639 --> 00:41:18,759
after the low-hanging fruit like

974
00:41:16,929 --> 00:41:20,230
homeopathy in psychics why don't you go

975
00:41:18,760 --> 00:41:22,869
after the big ones like

976
00:41:20,230 --> 00:41:24,820
the Catholic Church Islam Scientology

977
00:41:22,869 --> 00:41:26,530
what do you say to that yeah i mean this

978
00:41:24,820 --> 00:41:27,700
comes up when i do when i do lectures on

979
00:41:26,530 --> 00:41:29,019
this kind of stuff and there's a couple

980
00:41:27,699 --> 00:41:32,259
of things first of all I was saying that

981
00:41:29,019 --> 00:41:34,659
I can stop a chunky sports bracelet

982
00:41:32,260 --> 00:41:35,800
company selling dodgy bracelets I can't

983
00:41:34,659 --> 00:41:37,149
bring down the Catholic Church I think

984
00:41:35,800 --> 00:41:38,590
it's very own I mean I've got a lot of

985
00:41:37,150 --> 00:41:40,599
faith in my ability but not that much

986
00:41:38,590 --> 00:41:42,190
even Henry the Eighth had a go yeah

987
00:41:40,599 --> 00:41:43,960
exactly yeah it look like look what

988
00:41:42,190 --> 00:41:45,550
happened that go well and I think the

989
00:41:43,960 --> 00:41:46,750
other side of it is there's a lot of

990
00:41:45,550 --> 00:41:48,430
people who won't believe in homeopathy

991
00:41:46,750 --> 00:41:49,750
one have heard of it before so you can

992
00:41:48,429 --> 00:41:51,219
first or tell them what it is and that

993
00:41:49,750 --> 00:41:53,440
will sort of that will protect them

994
00:41:51,219 --> 00:41:54,909
against falling for it but also an I

995
00:41:53,440 --> 00:41:56,320
like a lot of people thought it was

996
00:41:54,909 --> 00:41:57,639
something to do with herbal preparations

997
00:41:56,320 --> 00:41:59,170
I thought there was actually an active

998

00:41:57,639 --> 00:42:00,368
ingredient yeah loads of people are

999
00:41:59,170 --> 00:42:01,720
really surprised when you tell them that

1000
00:42:00,369 --> 00:42:02,980
there's nothing in homeopathy eyes just

1001
00:42:01,719 --> 00:42:04,000
sugar it's just what does nothing all

1002
00:42:02,980 --> 00:42:05,409
people can't believe that that's true

1003
00:42:04,000 --> 00:42:06,909
they can't believe then that your

1004
00:42:05,409 --> 00:42:08,529
pharmacies will sell it like it's real

1005
00:42:06,909 --> 00:42:10,149
medicine so I think you protect them

1006
00:42:08,530 --> 00:42:11,440
against ideas that they haven't heard of

1007
00:42:10,150 --> 00:42:12,550
so that they're not going to fall for it

1008
00:42:11,440 --> 00:42:14,108
the next time they're here or the first

1009
00:42:12,550 --> 00:42:16,450
time they hear it but also I think you

1010
00:42:14,108 --> 00:42:18,429
can demonstrate the flaws in beliefs by

1011
00:42:16,449 --> 00:42:20,739
using these obvious examples so if you

1012
00:42:18,429 --> 00:42:22,118

armed people with the idea of how to you

1013

00:42:20,739 --> 00:42:23,199

know spot called reading when it's been

1014

00:42:22,119 --> 00:42:24,519

done so you can tell whether someone's

1015

00:42:23,199 --> 00:42:25,779

actually talking to dead i'll just kind

1016

00:42:24,519 --> 00:42:28,449

of picking details out that your make

1017

00:42:25,780 --> 00:42:30,250

and fit and the the methodology in

1018

00:42:28,449 --> 00:42:32,049

challenging psychics is the same

1019

00:42:30,250 --> 00:42:33,909

methodology and challenging Scientology

1020

00:42:32,050 --> 00:42:35,289

in challenging you know the way that the

1021

00:42:33,909 --> 00:42:37,029

media presents stuff in challenging the

1022

00:42:35,289 --> 00:42:38,619

way that economic systems might be

1023

00:42:37,030 --> 00:42:39,910

structured and people complain to be

1024

00:42:38,619 --> 00:42:40,960

that you don't have a look at economy

1025

00:42:39,909 --> 00:42:44,049

and things like that and it's like well

1026

00:42:40,960 --> 00:42:45,730

you can bring people to the method and

1027
00:42:44,050 --> 00:42:47,619
demonstrate that method and then where

1028
00:42:45,730 --> 00:42:49,000
people take that method you go on and do

1029
00:42:47,619 --> 00:42:50,108
it and when people say to me you know

1030
00:42:49,000 --> 00:42:51,940
why aren't you spending all the time

1031
00:42:50,108 --> 00:42:53,739
looking at this this and this I all say

1032
00:42:51,940 --> 00:42:55,599
I agree that those are worthwhile places

1033
00:42:53,739 --> 00:42:56,858
to look more power to you you know you

1034
00:42:55,599 --> 00:42:58,599
clearly care about those issues a lot

1035
00:42:56,858 --> 00:43:00,579
off you got you know it's asim it's

1036
00:42:58,599 --> 00:43:01,868
essential set I think what I'd like to

1037
00:43:00,579 --> 00:43:03,699
try and do with the talk that again is

1038
00:43:01,869 --> 00:43:06,760
to demonstrate to people that it doesn't

1039
00:43:03,699 --> 00:43:07,989
take lists of PhDs behind you to be able

1040
00:43:06,760 --> 00:43:10,030
to challenge this stuff it just takes a

1041
00:43:07,989 --> 00:43:12,099
an awareness of the basic structure and

1042
00:43:10,030 --> 00:43:14,140
our willingness to to be out there to be

1043
00:43:12,099 --> 00:43:15,969
active to be kind of energetic and

1044
00:43:14,139 --> 00:43:17,858
enthusiastic and I think you can get a

1045
00:43:15,969 --> 00:43:20,289
long way on that bit of a controversial

1046
00:43:17,858 --> 00:43:22,599
question here has the UK skeptical scene

1047
00:43:20,289 --> 00:43:23,710
matured as it has in the US and there's

1048
00:43:22,599 --> 00:43:25,150
been a bit of splintering of the

1049
00:43:23,710 --> 00:43:26,679
movement and people going all that

1050
00:43:25,150 --> 00:43:28,420
person isn't what I thought they were

1051
00:43:26,679 --> 00:43:30,129
all the whole movement scrap does it

1052
00:43:28,420 --> 00:43:31,630
mean anything like that going on um you

1053
00:43:30,130 --> 00:43:33,250
know I don't think there has I don't

1054
00:43:31,630 --> 00:43:33,880
think that has in UK and I think part of

1055

00:43:33,250 --> 00:43:35,590
that

1056
00:43:33,880 --> 00:43:37,990
reason is because we didn't spring up

1057
00:43:35,590 --> 00:43:39,519
the way that the American movement sorta

1058
00:43:37,989 --> 00:43:41,229
did and the American movies kind of the

1059
00:43:39,519 --> 00:43:42,519
the father of all the different

1060
00:43:41,230 --> 00:43:43,800
movements around the world but those

1061
00:43:42,519 --> 00:43:45,820
started really where there was a

1062
00:43:43,800 --> 00:43:47,560
charismatic incredibly talented

1063
00:43:45,820 --> 00:43:49,809
individual like you James Randi kind of

1064
00:43:47,559 --> 00:43:51,070
figure who started a group and it was

1065
00:43:49,809 --> 00:43:53,349
kind of set up that way is that this is

1066
00:43:51,070 --> 00:43:55,240
a personal crusade almost and it was it

1067
00:43:53,349 --> 00:43:57,069
was phenomenally successful for that but

1068
00:43:55,239 --> 00:43:58,299
I think necessarily that's a kind of a

1069
00:43:57,070 --> 00:43:59,260

top-down structure is that you have

1070

00:43:58,300 --> 00:44:00,519

someone at the top and the moment you

1071

00:43:59,260 --> 00:44:02,020

have someone on the top button on a

1072

00:44:00,519 --> 00:44:03,309

pedestal and you have a couple of those

1073

00:44:02,019 --> 00:44:04,809

people one's going to get knocked off

1074

00:44:03,309 --> 00:44:06,130

they're just people yeah people are

1075

00:44:04,809 --> 00:44:08,380

people people are flawed you know and

1076

00:44:06,130 --> 00:44:11,110

it's very it's very disconcerting when I

1077

00:44:08,380 --> 00:44:12,490

see our community which kind of prides

1078

00:44:11,110 --> 00:44:14,200

itself on its ability to kind of

1079

00:44:12,489 --> 00:44:16,419

challenge authority and challenge these

1080

00:44:14,199 --> 00:44:18,549

challenge monolithic figures then having

1081

00:44:16,420 --> 00:44:19,599

a monolithic figure of their own I think

1082

00:44:18,550 --> 00:44:21,340

it's always something we should try and

1083

00:44:19,599 --> 00:44:22,989

avoid but luckily in the UK i think we

1084
00:44:21,340 --> 00:44:24,880
sprung up organically you know you can

1085
00:44:22,989 --> 00:44:26,109
start a skeptical group in the UK and

1086
00:44:24,880 --> 00:44:27,610
it's not that you have to kind of ask

1087
00:44:26,110 --> 00:44:29,349
someone for permission and license than

1088
00:44:27,610 --> 00:44:31,210
a.m. and go you just start one if you

1089
00:44:29,349 --> 00:44:32,500
want a skeptics in your pub start one

1090
00:44:31,210 --> 00:44:33,789
and see who comes and tell people about

1091
00:44:32,500 --> 00:44:35,289
it and ask people who've got other

1092
00:44:33,789 --> 00:44:37,090
groups what works for them and I think

1093
00:44:35,289 --> 00:44:39,400
that's kind of what's worked with the UK

1094
00:44:37,090 --> 00:44:40,900
scene is that we don't have these big

1095
00:44:39,400 --> 00:44:42,160
monolithic figures really who are really

1096
00:44:40,900 --> 00:44:44,050
involved in skepticism we've got people

1097
00:44:42,159 --> 00:44:45,460
like Richard Dawkins but I don't think

1098
00:44:44,050 --> 00:44:47,230
he's really involved in skepticism I

1099
00:44:45,460 --> 00:44:48,849
wouldn't call him a skeptical and how

1100
00:44:47,230 --> 00:44:50,260
much how much the time do you think some

1101
00:44:48,849 --> 00:44:51,610
of the stuff he says he's just stirring

1102
00:44:50,260 --> 00:44:53,260
the pot do you think he's a guy just

1103
00:44:51,610 --> 00:44:55,480
likes to stir the pot sometimes just for

1104
00:44:53,260 --> 00:44:57,220
the sake of it you know I always try and

1105
00:44:55,480 --> 00:44:58,659
avoid speculating of what people think

1106
00:44:57,219 --> 00:45:01,059
whether they're people on our side our

1107
00:44:58,659 --> 00:45:03,730
people anon on the side of psychics

1108
00:45:01,059 --> 00:45:05,320
things like that yeah it's what people

1109
00:45:03,730 --> 00:45:07,119
kind of forget very easily is that

1110
00:45:05,320 --> 00:45:09,039
everybody is just human they might have

1111
00:45:07,119 --> 00:45:11,170
great ideas in one area they might be

1112

00:45:09,039 --> 00:45:13,599
completely flawed in another and I think

1113
00:45:11,170 --> 00:45:15,250
for us to assume that because someone is

1114
00:45:13,599 --> 00:45:16,750
is great writing about atheists more

1115
00:45:15,250 --> 00:45:18,519
great writing about you know evolution

1116
00:45:16,750 --> 00:45:19,869
and genetics things are that that

1117
00:45:18,519 --> 00:45:21,579
they're perfect at everything I think

1118
00:45:19,869 --> 00:45:23,170
that all that does is set us up for a

1119
00:45:21,579 --> 00:45:25,809
fall and the funny thing is when you see

1120
00:45:23,170 --> 00:45:27,190
the I always try to avoid seeing

1121
00:45:25,809 --> 00:45:28,809
believers because I don't like this kind

1122
00:45:27,190 --> 00:45:31,750
of feminist mentality it's kind of

1123
00:45:28,809 --> 00:45:33,429
intellectual apartheid is I that's a

1124
00:45:31,750 --> 00:45:35,320
good thing to set up too because what as

1125
00:45:33,429 --> 00:45:36,940
soon as you do that you're building wall

1126
00:45:35,320 --> 00:45:38,680

yeah and I want there to be as few words

1127

00:45:36,940 --> 00:45:40,809

as possible so i guess but i much rather

1128

00:45:38,679 --> 00:45:42,639

would look for where we have lines of

1129

00:45:40,809 --> 00:45:44,349

common ground with people who subscribe

1130

00:45:42,639 --> 00:45:46,629

to beliefs that we don't to try and say

1131

00:45:44,349 --> 00:45:47,349

well you don't believe in bigfoots well

1132

00:45:46,630 --> 00:45:48,579

why not let

1133

00:45:47,349 --> 00:45:50,769

let's explore why we don't believe in

1134

00:45:48,579 --> 00:45:52,119

Bigfoot maybe we can look at that this

1135

00:45:50,769 --> 00:45:54,730

is one of the other podcasts that the

1136

00:45:52,119 --> 00:45:56,079

Merseyside do don't you it's in quick

1137

00:45:54,730 --> 00:45:57,610

incredulous is that it no I'm sorry

1138

00:45:56,079 --> 00:45:59,230

completely off of incredulous is like a

1139

00:45:57,610 --> 00:46:01,660

very ribald comedy show but not be

1140

00:45:59,230 --> 00:46:03,219

reasonable is a show that I I do a

1141
00:46:01,659 --> 00:46:06,250
monthly sure where I find someone who

1142
00:46:03,219 --> 00:46:07,809
believes in something that I don't and

1143
00:46:06,250 --> 00:46:09,250
we just try to explore the boundaries of

1144
00:46:07,809 --> 00:46:11,139
their belief and because we're doing it

1145
00:46:09,250 --> 00:46:13,539
i'm a big i'm a big proponent of the

1146
00:46:11,139 --> 00:46:14,619
idea that to have someone to question

1147
00:46:13,539 --> 00:46:16,029
something about their belief you can't

1148
00:46:14,619 --> 00:46:17,019
do it by saying you an idiot why do you

1149
00:46:16,030 --> 00:46:18,430
believe that you've gotta but what about

1150
00:46:17,019 --> 00:46:19,420
this what about this be aggressive

1151
00:46:18,429 --> 00:46:21,099
because the moment you aggressive to

1152
00:46:19,420 --> 00:46:23,860
someone their defenses go up and they

1153
00:46:21,099 --> 00:46:25,360
just go through the down pat defensive

1154
00:46:23,860 --> 00:46:26,769
statements that they've been using every

1155
00:46:25,360 --> 00:46:28,329
time anyone's ever questioned them but

1156
00:46:26,769 --> 00:46:29,469
if you say to them i'm really interested

1157
00:46:28,329 --> 00:46:31,059
in what you believe could you tell me

1158
00:46:29,469 --> 00:46:31,989
about it people love talking about what

1159
00:46:31,059 --> 00:46:34,210
they believe they love telling people

1160
00:46:31,989 --> 00:46:35,500
about their their belief systems and why

1161
00:46:34,210 --> 00:46:38,380
they really believe it and you can then

1162
00:46:35,500 --> 00:46:39,610
ask gentle penetrative questions but

1163
00:46:38,380 --> 00:46:41,710
you're doing it a very polite very

1164
00:46:39,610 --> 00:46:43,480
respectful where and instead of being

1165
00:46:41,710 --> 00:46:44,829
stopped at the gates you get into the

1166
00:46:43,480 --> 00:46:46,090
middle of them is you can walk people

1167
00:46:44,829 --> 00:46:47,949
around the mayors of their own beliefs

1168
00:46:46,090 --> 00:46:49,480
and sometimes you'll take a turn but

1169

00:46:47,949 --> 00:46:50,799
they've never taken before you can get

1170
00:46:49,480 --> 00:46:52,059
them to a point where they think i've

1171
00:46:50,800 --> 00:46:53,980
never thought that I've never thought

1172
00:46:52,059 --> 00:46:55,719
about that aspect before and maybe those

1173
00:46:53,980 --> 00:46:56,860
people you can kind of get to question

1174
00:46:55,719 --> 00:46:58,539
what they believe and now what's a

1175
00:46:56,860 --> 00:47:00,519
podcast we should look out for that's be

1176
00:46:58,539 --> 00:47:02,679
reasonable yeah you can find that on our

1177
00:47:00,519 --> 00:47:04,840
website Moses I skeptics dogs at UK or

1178
00:47:02,679 --> 00:47:06,190
it's on iTunes or stitcher so yeah let's

1179
00:47:04,840 --> 00:47:07,840
get on with the serious stuff I've got

1180
00:47:06,190 --> 00:47:09,909
issues with Peter Capaldi as the doctor

1181
00:47:07,840 --> 00:47:11,140
you know what that you're I'm the worst

1182
00:47:09,909 --> 00:47:12,399
person well to talk to you about this I

1183
00:47:11,139 --> 00:47:14,559

have never seen an episode of Doctor Who

1184

00:47:12,400 --> 00:47:16,090

in my life so everything for now said

1185

00:47:14,559 --> 00:47:17,799

cuz you just avoided it or just don't

1186

00:47:16,090 --> 00:47:19,329

you just don't care for it well I think

1187

00:47:17,800 --> 00:47:21,430

I'm a freak in the skeptical community

1188

00:47:19,329 --> 00:47:23,049

for a couple of reasons one I don't

1189

00:47:21,429 --> 00:47:25,599

really get on board with sci-fi too much

1190

00:47:23,050 --> 00:47:27,370

I'm not a sci-fi fan at all of sci-fi

1191

00:47:25,599 --> 00:47:29,019

fantasy doesn't do an awful lot for me i

1192

00:47:27,369 --> 00:47:30,909

love i love literature i love you know

1193

00:47:29,019 --> 00:47:32,170

exploring ideas but it's just I've never

1194

00:47:30,909 --> 00:47:34,480

going to grab bar someone who'd rather

1195

00:47:32,170 --> 00:47:37,210

watch the bill so i know that exactly

1196

00:47:34,480 --> 00:47:38,920

but then as well as the other reason my

1197

00:47:37,210 --> 00:47:41,380

freaking in the bill is internally

1198
00:47:38,920 --> 00:47:42,820
consistent exactly you know and I don't

1199
00:47:41,380 --> 00:47:44,500
mind something that sets up the rules at

1200
00:47:42,820 --> 00:47:46,059
the start and then never breaks those

1201
00:47:44,500 --> 00:47:48,039
rules so when you when you see something

1202
00:47:46,059 --> 00:47:49,809
you're the first series of like heroes

1203
00:47:48,039 --> 00:47:51,159
or something whereas like right ten

1204
00:47:49,809 --> 00:47:53,110
minutes in there are people with magical

1205
00:47:51,159 --> 00:47:54,399
powers yeah from there we're done we're

1206
00:47:53,110 --> 00:47:55,720
not gonna introduce anything else we're

1207
00:47:54,400 --> 00:47:57,400
not going to start bending time or they

1208
00:47:55,719 --> 00:47:58,719
go well with the art but someone can do

1209
00:47:57,400 --> 00:47:59,829
that very early on I'm fine with stuff

1210
00:47:58,719 --> 00:48:00,848
that's internally consistent that way

1211
00:47:59,829 --> 00:48:02,108
it's when you can then

1212
00:48:00,849 --> 00:48:03,700
just plug something and say well this

1213
00:48:02,108 --> 00:48:05,318
episode we're going to talk about this

1214
00:48:03,699 --> 00:48:06,639
over here which we never introduced

1215
00:48:05,318 --> 00:48:08,558
before I didn't exist before but now

1216
00:48:06,639 --> 00:48:10,239
it's kind of part yeah I kind of kind of

1217
00:48:08,559 --> 00:48:11,048
lose me a little bit but i think the

1218
00:48:10,239 --> 00:48:12,249
other reason i'm a freaking the

1219
00:48:11,048 --> 00:48:14,288
skeptical immunity and this this is

1220
00:48:12,248 --> 00:48:17,009
going to be shocking i think I've of us

1221
00:48:14,289 --> 00:48:19,599
I'm not that bothered about science I

1222
00:48:17,009 --> 00:48:21,849
think it's incredibly vital in our

1223
00:48:19,599 --> 00:48:24,249
community in the world I think it has a

1224
00:48:21,849 --> 00:48:26,528
hugely beneficial aspect and the people

1225
00:48:24,248 --> 00:48:28,868
who are you know doing that work all

1226

00:48:26,528 --> 00:48:30,670
power to them I am incredibly

1227
00:48:28,869 --> 00:48:32,079
appreciative of the fact that people are

1228
00:48:30,670 --> 00:48:34,150
out there make these great advancements

1229
00:48:32,079 --> 00:48:35,859
but I'm not in skepticism for pushing

1230
00:48:34,150 --> 00:48:37,150
the boundaries I'm in skepticism for

1231
00:48:35,858 --> 00:48:38,318
defending the territories you know the

1232
00:48:37,150 --> 00:48:40,298
stuff that we already know it's true

1233
00:48:38,318 --> 00:48:42,248
where is that eroding from people who

1234
00:48:40,298 --> 00:48:43,809
are holding the I mean skepticism for

1235
00:48:42,248 --> 00:48:45,068
the weird beliefs I love having a

1236
00:48:43,809 --> 00:48:46,420
conversation with someone I totally

1237
00:48:45,068 --> 00:48:48,518
disagree with about something that I

1238
00:48:46,420 --> 00:48:49,900
expected its first night I caught that a

1239
00:48:48,518 --> 00:48:51,669
lot because I'll sit down talk to people

1240
00:48:49,900 --> 00:48:53,200

about that and most get big scope but

1241

00:48:51,670 --> 00:48:54,849

how could you possibly talk to that

1242

00:48:53,199 --> 00:48:57,129

person about that without it ejecting

1243

00:48:54,849 --> 00:48:59,890

and arguing with them it can be done cut

1244

00:48:57,130 --> 00:49:01,180

it yeah and I think you're if I look if

1245

00:48:59,889 --> 00:49:02,558

I want a conversation where someone

1246

00:49:01,179 --> 00:49:04,268

agrees with me I can fill a room full of

1247

00:49:02,559 --> 00:49:05,859

people that but friends for that you

1248

00:49:04,268 --> 00:49:07,748

know but what I want to do is to try and

1249

00:49:05,858 --> 00:49:09,159

learn about the boundaries of my own

1250

00:49:07,748 --> 00:49:10,629

belief in the boundaries of their belief

1251

00:49:09,159 --> 00:49:12,068

and what belief means and your why

1252

00:49:10,630 --> 00:49:13,180

people constructively so I want to talk

1253

00:49:12,068 --> 00:49:15,038

to someone who I completely disagree

1254

00:49:13,179 --> 00:49:16,298

with and that there's a court that I

1255
00:49:15,039 --> 00:49:18,160
always kind of think about in those

1256
00:49:16,298 --> 00:49:19,298
situations which is from William Blake

1257
00:49:18,159 --> 00:49:21,639
in The Marriage of Heaven and Hell

1258
00:49:19,298 --> 00:49:23,108
fantastic book from like 15 16th century

1259
00:49:21,639 --> 00:49:24,068
something like that way says that

1260
00:49:23,108 --> 00:49:27,038
without opposition there's no

1261
00:49:24,068 --> 00:49:28,088
progression so without sort of finding

1262
00:49:27,039 --> 00:49:29,410
ways to challenge what you think you're

1263
00:49:28,088 --> 00:49:30,608
never going to push forward and I think

1264
00:49:29,409 --> 00:49:32,228
that's what I really want to look at is

1265
00:49:30,608 --> 00:49:34,119
kind of where's where's the opposite of

1266
00:49:32,228 --> 00:49:35,919
what I think and what can I learn about

1267
00:49:34,119 --> 00:49:37,690
why people believe that and then how I

1268
00:49:35,920 --> 00:49:38,739
that arms me for being better at

1269
00:49:37,690 --> 00:49:41,349
challenging that when I find it

1270
00:49:38,739 --> 00:49:43,088
elsewhere but also it just gives me that

1271
00:49:41,349 --> 00:49:44,259
question of well am i right you know

1272
00:49:43,088 --> 00:49:45,759
this person has got a totally different

1273
00:49:44,259 --> 00:49:47,170
perspective I'm now going to challenge

1274
00:49:45,759 --> 00:49:48,099
whether I think i'm writing on whereas

1275
00:49:47,170 --> 00:49:49,239
if i'm just talking to someone who

1276
00:49:48,099 --> 00:49:50,798
agrees with me they're going to tell me

1277
00:49:49,239 --> 00:49:52,478
all the things that I already know they

1278
00:49:50,798 --> 00:49:54,400
were just going to walk down the the

1279
00:49:52,478 --> 00:49:56,048
logical pathways that I've walked down a

1280
00:49:54,400 --> 00:49:57,639
million times in my own head and I'm

1281
00:49:56,048 --> 00:49:58,929
your position to cement that path but

1282
00:49:57,639 --> 00:50:00,068
we're not going to start exploring the

1283

00:49:58,929 --> 00:50:01,960
undergrowth and I think that's what I

1284
00:50:00,068 --> 00:50:03,009
really want to do well ok look thank you

1285
00:50:01,960 --> 00:50:04,210
very much for your time but

1286
00:50:03,009 --> 00:50:05,679
disappointing i have got my answer on

1287
00:50:04,210 --> 00:50:07,119
Doctor Who there but that's ok but I

1288
00:50:05,679 --> 00:50:08,828
have what I've worn a doctor who prop

1289
00:50:07,119 --> 00:50:10,390
you have you have and you know what if

1290
00:50:08,829 --> 00:50:12,068
you ever get to see Mike in person

1291
00:50:10,389 --> 00:50:13,150
asking that question it he'll give you

1292
00:50:12,068 --> 00:50:14,650
half an hour

1293
00:50:13,150 --> 00:50:16,059
analyzing every single doctor cuz mike

1294
00:50:14,650 --> 00:50:18,579
is the doctor Hoonah mike has one who

1295
00:50:16,059 --> 00:50:20,798
can recite whole episodes line by line

1296
00:50:18,579 --> 00:50:22,059
he's he's absolutely obsessed by it yes

1297
00:50:20,798 --> 00:50:24,429

you've asked the wrong mike i think all

1298

00:50:22,059 --> 00:50:27,910

right well next time i'm having a bill

1299

00:50:24,429 --> 00:50:29,739

nigga watch I've got the five 1995 DVD

1300

00:50:27,909 --> 00:50:31,210

boxset I'll bite you over I'll be there

1301

00:50:29,739 --> 00:50:33,098

I'll be that effect last night was the

1302

00:50:31,210 --> 00:50:34,449

perfect antidote for the skeptics

1303

00:50:33,099 --> 00:50:36,940

opening last night I went home and I had

1304

00:50:34,449 --> 00:50:39,578

a bourbon and JFK conspiracy party at my

1305

00:50:36,940 --> 00:50:40,778

place on my own Oh JFK conspiracy I'd

1306

00:50:39,579 --> 00:50:42,010

love to speak to someone who's of

1307

00:50:40,778 --> 00:50:43,809

conspiracies for JFK that's a

1308

00:50:42,010 --> 00:50:45,700

fascinating oh look you need to talk my

1309

00:50:43,809 --> 00:50:47,048

mate jcat so Richard spoken to him

1310

00:50:45,699 --> 00:50:49,000

haven't you you you had quite a

1311

00:50:47,048 --> 00:50:51,759

discussion about the partial palm print

1312
00:50:49,000 --> 00:50:54,579
on the rifle I believe I certainly did

1313
00:50:51,760 --> 00:50:56,289
but let's not go there let's not get and

1314
00:50:54,579 --> 00:50:57,789
look it get up there and give a talk

1315
00:50:56,289 --> 00:50:59,049
there and I'm standing ovation you'll

1316
00:50:57,789 --> 00:51:00,670
get one you'll get one and you get free

1317
00:50:59,048 --> 00:51:02,380
drinks later exile have a one man

1318
00:51:00,670 --> 00:51:03,760
standing ovation Lisa can bank on min

1319
00:51:02,380 --> 00:51:05,140
outstanding that's all I can well all I

1320
00:51:03,760 --> 00:51:07,240
care about and thank you for bringing

1321
00:51:05,139 --> 00:51:10,108
the big book of to Australia

1322
00:51:07,239 --> 00:51:10,108
it's better pleasure

1323
00:51:18,679 --> 00:51:20,739
you

1324
00:51:23,789 --> 00:51:29,230
what gasps yours is an award-winning

1325
00:51:26,260 --> 00:51:32,110
weekly science show in French hosted by

1326
00:51:29,230 --> 00:51:34,420
a bunch of crazy enthusiasts we are

1327
00:51:32,110 --> 00:51:36,760
convinced that the greatest ideas in

1328
00:51:34,420 --> 00:51:39,010
science are quite easy to grasp as long

1329
00:51:36,760 --> 00:51:41,560
as they are presented with passion using

1330
00:51:39,010 --> 00:51:43,720
a vocabulary common to all curious minds

1331
00:51:41,559 --> 00:51:46,509
whatever their academic background if

1332
00:51:43,719 --> 00:51:49,509
any you don't understand French yet oh

1333
00:51:46,510 --> 00:51:51,400
it's never too late all our stories have

1334
00:51:49,510 --> 00:51:53,170
a written transcript on the website and

1335
00:51:51,400 --> 00:51:55,300
people from all around the world are

1336
00:51:53,170 --> 00:51:58,420
using our content to learn Maria's

1337
00:51:55,300 --> 00:52:00,850
language our topics range from 0 to

1338
00:51:58,420 --> 00:52:03,190
infinity from evolution to artificial

1339
00:52:00,849 --> 00:52:05,829
life from electromagnetism to the

1340

00:52:03,190 --> 00:52:09,070
science of introverts we just love

1341
00:52:05,829 --> 00:52:11,860
mathematics science critical thinking so

1342
00:52:09,070 --> 00:52:13,570
do you want to join you can subscribe to

1343
00:52:11,860 --> 00:52:16,240
the podcast for free from our website

1344
00:52:13,570 --> 00:52:18,910
podcast science tops FM that's in one

1345
00:52:16,239 --> 00:52:21,279
word you also find us on itunes and

1346
00:52:18,909 --> 00:52:23,289
soundcloud see you soon hopefully a

1347
00:52:21,280 --> 00:52:25,830
delivers a career at the other words or

1348
00:52:23,289 --> 00:52:25,829
pedestrians

1349
00:52:42,480 --> 00:52:47,349
thank you for listening to the skeptic

1350
00:52:45,039 --> 00:52:49,389
zone why I think I'm going to have a

1351
00:52:47,349 --> 00:52:51,759
nice ice drink after this show is

1352
00:52:49,389 --> 00:52:53,529
finished and if you enjoy listening to

1353
00:52:51,760 --> 00:52:55,120
the skeptic zona new you want to show

1354
00:52:53,530 --> 00:52:58,090

your appreciation the best way to do

1355

00:52:55,119 --> 00:53:00,969

that is to become a subscriber less than

1356

00:52:58,090 --> 00:53:04,300

a dollar a week via paypal at wwc a

1357

00:53:00,969 --> 00:53:05,980

petting zoo TV or you can have the

1358

00:53:04,300 --> 00:53:11,980

option there to contribute more a week

1359

00:53:05,980 --> 00:53:13,840

if you wish and your money goes to to

1360

00:53:11,980 --> 00:53:16,840

help make the show possible and indeed

1361

00:53:13,840 --> 00:53:19,269

I've just purchased a lovely new zoom

1362

00:53:16,840 --> 00:53:21,610

microphone for our new reporter Heidi

1363

00:53:19,269 --> 00:53:23,650

Robertson so that's in the post on our

1364

00:53:21,610 --> 00:53:26,470

way to do and that's only because people

1365

00:53:23,650 --> 00:53:29,260

like you are subscribe to the show via

1366

00:53:26,469 --> 00:53:31,299

paypal and that's the only reason I can

1367

00:53:29,260 --> 00:53:34,570

afford to do things like give my report

1368

00:53:31,300 --> 00:53:36,820

is lovely new microphones so the

1369
00:53:34,570 --> 00:53:39,519
upcoming roar skeptic reports i'm sure

1370
00:53:36,820 --> 00:53:41,530
will sound quite a bit better the

1371
00:53:39,519 --> 00:53:43,420
content is brilliant anyway but the

1372
00:53:41,530 --> 00:53:45,340
audio quality and now sound a little bit

1373
00:53:43,420 --> 00:53:48,460
better coming up on the skeptic zone

1374
00:53:45,340 --> 00:53:50,050
more of maynard reporting from the

1375
00:53:48,460 --> 00:53:51,849
australian skeptics national convention

1376
00:53:50,050 --> 00:53:53,470
i'm hoping to catch up with people like

1377
00:53:51,849 --> 00:53:56,199
Jeanne Scott in the Bay Area in San

1378
00:53:53,469 --> 00:53:58,959
Francisco Bay Area more Joe alabaster in

1379
00:53:56,199 --> 00:54:01,419
the coming weeks more high lots more of

1380
00:53:58,960 --> 00:54:04,059
everything but until next week this is

1381
00:54:01,420 --> 00:54:10,000
Richard Saunders signing off from Sydney

1382
00:54:04,059 --> 00:54:11,730
Australia you've been listening to the

1383
00:54:10,000 --> 00:54:16,530
skeptic zone

1384
00:54:11,730 --> 00:54:19,590
visit our website at www.skeptics.org on TV

1385
00:54:16,530 --> 00:54:22,220
for comments contacts and extra video

1386
00:54:19,590 --> 00:54:22,220
reports

1387
00:54:29,179 --> 00:54:33,119
who would we have on the phone but none

1388
00:54:31,440 --> 00:54:34,679
other than cow crews on his giggle

1389
00:54:33,119 --> 00:54:36,389
morning car good morning is the young

1390
00:54:34,679 --> 00:54:38,250
Emily Carl talking to the young Emily

1391
00:54:36,389 --> 00:54:40,199
Maynard hey go easy with the compliments

1392
00:54:38,250 --> 00:54:41,610
a cow looked earlier this week I have

1393
00:54:40,199 --> 00:54:43,829
visited a friend of mine and she is a

1394
00:54:41,610 --> 00:54:45,450
dentist and she said try some of this

1395
00:54:43,829 --> 00:54:47,309
and I don't like to mention any names or

1396
00:54:45,449 --> 00:54:49,349
anything and I was being this like funny

1397

00:54:47,309 --> 00:54:50,730
gasps in a medical cylinder and you know

1398
00:54:49,349 --> 00:54:52,019
well I was having too much fun on the

1399
00:54:50,730 --> 00:54:54,420
bells ringing in the head in no time

1400
00:54:52,019 --> 00:54:57,300
there's a very fun gasps now would this

1401
00:54:54,420 --> 00:54:59,730
be the well-known nitrous oxide yeah

1402
00:54:57,300 --> 00:55:02,190
it's traditionally beloved by dentists

1403
00:54:59,730 --> 00:55:03,599
who have access to it why was it okay if

1404
00:55:02,190 --> 00:55:04,950
I go over to her place fairly often and

1405
00:55:03,599 --> 00:55:07,319
breathe this nitrous oxide am I going to

1406
00:55:04,949 --> 00:55:09,509
die or what now your spine will collapse

1407
00:55:07,320 --> 00:55:11,450
right that's pretty well much the same

1408
00:55:09,510 --> 00:55:14,220
thing isn't it know what happens is that

1409
00:55:11,449 --> 00:55:15,539
after about 20 or 30 years of getting

1410
00:55:14,219 --> 00:55:16,919
stuck into the nitrous they used to

1411
00:55:15,539 --> 00:55:19,500

think that originally that nitrous was

1412

00:55:16,920 --> 00:55:21,510

in fact perfectly benign harmless gas

1413

00:55:19,500 --> 00:55:23,400

there were came into your system

1414

00:55:21,510 --> 00:55:24,720

dissolved in the blood to dissolved out

1415

00:55:23,400 --> 00:55:26,730

again immediately went out through your

1416

00:55:24,719 --> 00:55:28,819

lungs god no side effects no dissolving

1417

00:55:26,730 --> 00:55:32,010

in fact if it was a wonderful drug and

1418

00:55:28,820 --> 00:55:33,330

then they finally came across a few

1419

00:55:32,010 --> 00:55:35,190

dentists who's been taking this stuff

1420

00:55:33,329 --> 00:55:36,630

for 20 30 40 years every day after

1421

00:55:35,190 --> 00:55:39,269

dinner and I found that they had

1422

00:55:36,630 --> 00:55:40,380

collapsed vertebrae it's all his Dennis

1423

00:55:39,269 --> 00:55:42,030

was falling down on the floor without

1424

00:55:40,380 --> 00:55:43,619

notice and what's happened is that the

1425

00:55:42,030 --> 00:55:45,900

size of the vertebrae which are normally

1426
00:55:43,619 --> 00:55:47,489
parallel to each other collapse and they

1427
00:55:45,900 --> 00:55:49,740
end up with a coat with a wedge-shaped

1428
00:55:47,489 --> 00:55:51,179
vertebra and sometimes they can just

1429
00:55:49,739 --> 00:55:53,699
come out totally this can cause great

1430
00:55:51,179 --> 00:55:55,859
pain if it closed you did have the

1431
00:55:53,699 --> 00:55:57,629
squeeze a few of the nerves and it

1432
00:55:55,860 --> 00:55:59,430
certainly these two inability of the

1433
00:55:57,630 --> 00:56:00,750
spinal as flexible as he used to be and

1434
00:55:59,429 --> 00:56:02,279
as well as that you just sort of staring

1435
00:56:00,750 --> 00:56:03,630
down at the ground all the time this

1436
00:56:02,280 --> 00:56:05,040
little bit can be self induced by

1437
00:56:03,630 --> 00:56:07,019
certain dentist so if we see like a

1438
00:56:05,039 --> 00:56:09,779
humpbacked dentist we got him and say oh

1439
00:56:07,019 --> 00:56:11,940
no you been up to no you should say if I

1440
00:56:09,780 --> 00:56:13,860
suspect would you bid do he can't be

1441
00:56:11,940 --> 00:56:17,039
sure knowledge is not absolute apart

1442
00:56:13,860 --> 00:56:18,480
from religious knowledge I should keep

1443
00:56:17,039 --> 00:56:20,039
going seeing my dentist friend and

1444
00:56:18,480 --> 00:56:21,869
breathers must not to socks I as I like

1445
00:56:20,039 --> 00:56:23,489
if you want to have your spine collapse

1446
00:56:21,869 --> 00:56:27,049
and you want to lose a few centimeters

1447
00:56:23,489 --> 00:56:27,049
in height that would be the way to go