

The Skeptic Zone
Show 326 - 17 Jan 2015



Heidi Robertson

1
00:00:22,230 --> 00:00:09,190
welcome to the skeptic zone the podcast

2
00:00:26,710 --> 00:00:24,310
hello and welcome to the skeptic zone

3
00:00:31,109 --> 00:00:26,720
episode number 326

4
00:00:34,709 --> 00:00:31,119
for the 17th of january 20th 2015.

5
00:00:36,870 --> 00:00:34,719
i nearly said 2014 2015 richard saunders

6
00:00:40,470 --> 00:00:36,880
here with you from sydney australia

7
00:00:41,670 --> 00:00:40,480
which i think just melted off the map oh

8
00:00:43,670 --> 00:00:41,680
wow

9
00:00:46,150 --> 00:00:43,680
36 in the city today i think i was

10
00:00:48,150 --> 00:00:46,160
downtown as it happened downtown sydney

11
00:00:51,029 --> 00:00:48,160
today doing some work

12
00:00:53,189 --> 00:00:51,039
in a business suit

13
00:00:55,590 --> 00:00:53,199

but i'm back home now to do the skeptic

14
00:00:57,110 --> 00:00:55,600
zone coming up on this week's show we're

15
00:00:59,990 --> 00:00:57,120
going to kick off with

16
00:01:01,590 --> 00:01:00,000
the raw skeptic heidi robertson and i am

17
00:01:04,549 --> 00:01:01,600
delighted to say

18
00:01:07,670 --> 00:01:04,559
heidi is officially our new reporter on

19
00:01:09,270 --> 00:01:07,680
the skeptic zone welcome aboard heidi

20
00:01:11,510 --> 00:01:09,280
so far unofficially you've been giving

21
00:01:14,070 --> 00:01:11,520
us some great reports and what a report

22
00:01:16,310 --> 00:01:14,080
we have this week from heidi she visited

23
00:01:18,469 --> 00:01:16,320
what we call a mind body wallet or a wu

24
00:01:19,830 --> 00:01:18,479
fest or alternative fest call it what

25
00:01:21,910 --> 00:01:19,840
you want

26
00:01:24,230 --> 00:01:21,920
up in bangalore right up in northern new

27
00:01:26,630 --> 00:01:24,240
south wales the heartland

28
00:01:28,789 --> 00:01:26,640
of the anti-vaxxers and what an

29
00:01:30,789 --> 00:01:28,799
interesting report it is heidi

30
00:01:33,910 --> 00:01:30,799
describes what she finds at this

31
00:01:36,310 --> 00:01:33,920
festival and then she's very courageous

32
00:01:38,390 --> 00:01:36,320
she actually stands up for science

33
00:01:39,590 --> 00:01:38,400
uh you'll hear all about it coming up

34
00:01:41,830 --> 00:01:39,600
with the raw

35
00:01:43,190 --> 00:01:41,840
skeptic report and uh

36
00:01:45,429 --> 00:01:43,200
well done heidi there's a lot of

37
00:01:47,510 --> 00:01:45,439
personal stuff in there heidi

38
00:01:49,510 --> 00:01:47,520

um wow you're really sort of laying

39

00:01:51,749 --> 00:01:49,520

yourself out there all in the name of

40

00:01:53,749 --> 00:01:51,759

science following that it's a week in

41

00:01:58,709 --> 00:01:53,759

science from the royal institution of

42

00:02:03,590 --> 00:02:00,469

and then to round off the episode

43

00:02:05,830 --> 00:02:03,600

maynard's spooky action part two part

44

00:02:07,830 --> 00:02:05,840

two of maynard's interview with michael

45

00:02:09,430 --> 00:02:07,840

marshall and michael marshall was the

46

00:02:11,029 --> 00:02:09,440

guest of the australian skeptics at the

47

00:02:13,270 --> 00:02:11,039

recent convention

48

00:02:14,470 --> 00:02:13,280

part two part one was last week part two

49

00:02:16,869 --> 00:02:14,480

this week

50

00:02:19,990 --> 00:02:16,879

now before we get into the show a quick

51

00:02:21,430 --> 00:02:20,000

update on the sherry ten penny

52

00:02:23,430 --> 00:02:21,440

fiasco

53

00:02:24,869 --> 00:02:23,440

we're not sure if she's coming or not

54

00:02:26,790 --> 00:02:24,879

now coming out to australia to give

55

00:02:30,630 --> 00:02:26,800

talks or to appear at talks

56

00:02:32,390 --> 00:02:30,640

most venues she was slated to appear at

57

00:02:34,150 --> 00:02:32,400

have cancelled the talk

58

00:02:36,710 --> 00:02:34,160

this is a very good thing

59

00:02:39,350 --> 00:02:36,720

and the flying monkeys have been

60

00:02:41,270 --> 00:02:39,360

screeching about free speech and these

61

00:02:44,309 --> 00:02:41,280

people want to

62

00:02:46,630 --> 00:02:44,319

uh stop your your freedom to listen and

63

00:02:48,309 --> 00:02:46,640

all the all the rest of it well no

64

00:02:50,470 --> 00:02:48,319

sherry tampani can

65

00:02:52,550 --> 00:02:50,480

spout her nonsense as much as she likes

66

00:02:54,309 --> 00:02:52,560

but as i said on last week's show we

67

00:02:57,190 --> 00:02:54,319

have the right here or venues have the

68

00:02:59,190 --> 00:02:57,200

right here not to have her appear

69

00:03:00,390 --> 00:02:59,200

and spout her nonsense it's a very good

70

00:03:02,710 --> 00:03:00,400

thing

71

00:03:04,790 --> 00:03:02,720

more updates as they come to hand over

72

00:03:06,550 --> 00:03:04,800

the next couple of weeks

73

00:03:08,149 --> 00:03:06,560

and some news from our friends at the

74

00:03:10,470 --> 00:03:08,159

canberra skeptics

75

00:03:13,190 --> 00:03:10,480

the future of science with professor

76

00:03:17,509 --> 00:03:13,200

brian schmidt thursday the 19th of

77

00:03:19,589 --> 00:03:17,519

february 2015 from 6 p.m until 7 30 p.m

78

00:03:21,830 --> 00:03:19,599

at questacon which is at the national

79

00:03:24,710 --> 00:03:21,840

science and technology center

80

00:03:26,470 --> 00:03:24,720

and the admission is free not to be

81

00:03:28,470 --> 00:03:26,480

missed not to be missed an evening with

82

00:03:30,869 --> 00:03:28,480

brian schmidt and you can find out more

83

00:03:33,030 --> 00:03:30,879

information and get your free tickets at

84

00:03:34,910 --> 00:03:33,040

canberraskeptics.com

85

00:03:37,030 --> 00:03:34,920

dot a u slash

86

00:03:39,270 --> 00:03:37,040

2015 schmidt or just go to

87

00:03:40,710 --> 00:03:39,280

canberraskeptics.org a u

88

00:03:42,149 --> 00:03:40,720

well that's enough from me at the moment

89

00:03:44,070 --> 00:03:42,159

i'm going to run downstairs and have a

90

00:03:47,830 --> 00:03:44,080

nice bucket full of ice

91

00:03:49,509 --> 00:03:47,840

with ice for dessert

92

00:03:52,869 --> 00:03:49,519

yes folks it's that warm in sydney

93

00:04:04,789 --> 00:03:52,879

australia while i'm enjoying my ice

94

00:04:04,799 --> 00:04:15,030

so

95

00:04:25,670 --> 00:04:17,590

it's the raw skeptic report

96

00:04:29,749 --> 00:04:27,670

hi everyone

97

00:04:31,830 --> 00:04:29,759

last week bangalore in northern new

98

00:04:34,230 --> 00:04:31,840

south wales hosted the starlight

99

00:04:37,350 --> 00:04:34,240

festival this festival ran for three

100

00:04:40,710 --> 00:04:37,360

days and included stalls talks

101
00:04:43,430 --> 00:04:40,720
and quote-unquote sacred spaces for

102
00:04:46,230 --> 00:04:43,440
tarot readings psychics healers of

103
00:04:48,629 --> 00:04:46,240
various descriptions workshops yoga

104
00:04:50,870 --> 00:04:48,639
chanting reiki shamanic journeys crystal

105
00:04:52,390 --> 00:04:50,880
healing and more

106
00:04:54,629 --> 00:04:52,400
i thought i'd pop in for a couple of

107
00:04:56,390 --> 00:04:54,639
hours to soak up the atmosphere and have

108
00:04:57,749 --> 00:04:56,400
a chat to some of the stall holders

109
00:04:59,510 --> 00:04:57,759
there

110
00:05:01,749 --> 00:04:59,520
after listening to michael marshall's

111
00:05:02,870 --> 00:05:01,759
talk at the australian national skeptics

112
00:05:05,030 --> 00:05:02,880
convention

113
00:05:06,710 --> 00:05:05,040

he talked about politely interacting

114

00:05:10,070 --> 00:05:06,720

with people about their alternative

115

00:05:13,029 --> 00:05:10,080

beliefs in an effort to understand them

116

00:05:15,590 --> 00:05:13,039

i wanted to try out his approach

117

00:05:17,430 --> 00:05:15,600

i'd been to several mind bodies spirit

118

00:05:20,310 --> 00:05:17,440

events in sydney and brisbane over the

119

00:05:23,510 --> 00:05:20,320

years however that was during the time i

120

00:05:25,110 --> 00:05:23,520

subscribed to much of it myself

121

00:05:26,629 --> 00:05:25,120

as i chatted to the various stall

122

00:05:29,029 --> 00:05:26,639

holders and listened to them talking

123

00:05:31,110 --> 00:05:29,039

about their products and services

124

00:05:33,590 --> 00:05:31,120

i found myself internally questioning

125

00:05:35,670 --> 00:05:33,600

each claim and each comment they made

126
00:05:37,990 --> 00:05:35,680
that previously i would have accepted

127
00:05:40,310 --> 00:05:38,000
without question

128
00:05:43,110 --> 00:05:40,320
i'd been under the illusion that if a

129
00:05:46,550 --> 00:05:43,120
person had a flashy looking website

130
00:05:49,590 --> 00:05:46,560
business cards banners etc they must

131
00:05:50,710 --> 00:05:49,600
have something legitimate to offer yep i

132
00:05:53,510 --> 00:05:50,720
know

133
00:05:56,070 --> 00:05:53,520
a tad naive i walked into the hall

134
00:05:57,830 --> 00:05:56,080
feeling like i had a big fat skeptic

135
00:05:59,590 --> 00:05:57,840
sign on my forehead

136
00:06:03,029 --> 00:05:59,600
i felt paranoid

137
00:06:05,590 --> 00:06:03,039
i had no idea how to now interact with

138
00:06:07,990 --> 00:06:05,600

people who had products and services i

139

00:06:09,909 --> 00:06:08,000

no longer believed in

140

00:06:11,189 --> 00:06:09,919

does one straight out say one is a

141

00:06:14,550 --> 00:06:11,199

skeptic

142

00:06:17,510 --> 00:06:14,560

does one pretend to be a true believer

143

00:06:20,230 --> 00:06:17,520

i must say i've always valued honesty in

144

00:06:22,710 --> 00:06:20,240

myself and others and i didn't want to

145

00:06:24,469 --> 00:06:22,720

falsely misrepresent myself

146

00:06:26,870 --> 00:06:24,479

but i didn't want to immediately put

147

00:06:30,150 --> 00:06:26,880

people on the defensive either

148

00:06:33,110 --> 00:06:30,160

so i had no clear idea of any specific

149

00:06:35,189 --> 00:06:33,120

tactic i was going to use i sat in the

150

00:06:38,710 --> 00:06:35,199

middle of all the activity for a while

151
00:06:41,670 --> 00:06:38,720
and after about 20 minutes i decided

152
00:06:43,110 --> 00:06:41,680
i just needed to jump in and see what

153
00:06:46,309 --> 00:06:43,120
happened

154
00:06:48,390 --> 00:06:46,319
so i started some conversations

155
00:06:51,350 --> 00:06:48,400
based on how it was going it became

156
00:06:54,150 --> 00:06:51,360
clear pretty quickly what approach might

157
00:06:57,270 --> 00:06:54,160
be suitable for the situation

158
00:06:59,589 --> 00:06:57,280
some when i asked some probing

159
00:07:02,390 --> 00:06:59,599
but always polite questions

160
00:07:05,029 --> 00:07:02,400
still became quite defensive and wary

161
00:07:07,830 --> 00:07:05,039
others reacted to my skeptical questions

162
00:07:10,309 --> 00:07:07,840
with gusto and enthusiasm

163
00:07:12,390 --> 00:07:10,319

and when i said that i may not agree

164

00:07:14,550 --> 00:07:12,400

with them but was nevertheless

165

00:07:17,110 --> 00:07:14,560

interested in what they had to say

166

00:07:19,189 --> 00:07:17,120

they thought it was bloody marvelous

167

00:07:22,309 --> 00:07:19,199

overwhelmingly what i picked up from

168

00:07:25,510 --> 00:07:22,319

these conversations was a common thread

169

00:07:27,749 --> 00:07:25,520

that science doesn't know everything

170

00:07:30,469 --> 00:07:27,759

in some cases they believe it should be

171

00:07:33,189 --> 00:07:30,479

out and out mocked and ridiculed

172

00:07:35,749 --> 00:07:33,199

for sticking to the scientific method

173

00:07:38,390 --> 00:07:35,759

which does not allow for intuition and

174

00:07:41,189 --> 00:07:38,400

anecdotal evidence

175

00:07:43,029 --> 00:07:41,199

science is narrow-minded

176
00:07:45,510 --> 00:07:43,039
too rigid

177
00:07:48,230 --> 00:07:45,520
science has a long way to go to catch up

178
00:07:50,550 --> 00:07:48,240
with what we as spiritual beings

179
00:07:52,710 --> 00:07:50,560
innately know

180
00:07:55,830 --> 00:07:52,720
i also heard when i asked where the

181
00:07:58,950 --> 00:07:55,840
evidence was for a particular claim that

182
00:08:01,990 --> 00:07:58,960
i don't need evidence it just works

183
00:08:04,309 --> 00:08:02,000
followed sometimes by a direction to the

184
00:08:05,670 --> 00:08:04,319
testimonials page of that particular

185
00:08:08,309 --> 00:08:05,680
website

186
00:08:10,469 --> 00:08:08,319
some while ridiculing science then

187
00:08:13,909 --> 00:08:10,479
pointed to scientific evidence of their

188
00:08:16,070 --> 00:08:13,919

claims which i found interesting

189

00:08:18,550 --> 00:08:16,080

i found that the science they pointed to

190

00:08:19,990 --> 00:08:18,560

was dubious to say the least

191

00:08:22,950 --> 00:08:20,000

one i talked with

192

00:08:24,309 --> 00:08:22,960

was both a tarot card reader and

193

00:08:26,950 --> 00:08:24,319

rebirther

194

00:08:28,469 --> 00:08:26,960

he was a genuinely lovely person and we

195

00:08:30,550 --> 00:08:28,479

got on well

196

00:08:32,230 --> 00:08:30,560

he and his colleague also offered

197

00:08:33,909 --> 00:08:32,240

couples counselling

198

00:08:37,350 --> 00:08:33,919

which included

199

00:08:39,589 --> 00:08:37,360

creative play deep bonding work frank

200

00:08:40,550 --> 00:08:39,599

and realistic approaches to sexual

201
00:08:42,709 --> 00:08:40,560
issues

202
00:08:43,990 --> 00:08:42,719
and the cultivation of gratitude and

203
00:08:46,630 --> 00:08:44,000
acceptance

204
00:08:48,550 --> 00:08:46,640
they also offered psychic readings and

205
00:08:50,310 --> 00:08:48,560
palm readings

206
00:08:52,870 --> 00:08:50,320
i asked if i could have a psychic

207
00:08:54,949 --> 00:08:52,880
reading but unfortunately for me they

208
00:08:56,949 --> 00:08:54,959
were all booked out that day

209
00:08:58,870 --> 00:08:56,959
another stall offered personalized

210
00:09:01,509 --> 00:08:58,880
artworks depicting an image of the

211
00:09:04,230 --> 00:09:01,519
client's spiritual guide or guides

212
00:09:05,829 --> 00:09:04,240
which could either be human or animal in

213
00:09:09,590 --> 00:09:05,839

form

214

00:09:12,550 --> 00:09:09,600

an explanation on the website reads

215

00:09:15,030 --> 00:09:12,560

i work with a spirit called orpheus who

216

00:09:17,750 --> 00:09:15,040

brings myself the client and the guide

217

00:09:19,829 --> 00:09:17,760

together for the drawing orpheus first

218

00:09:22,150 --> 00:09:19,839

made his presence known to me in a

219

00:09:23,910 --> 00:09:22,160

reading given at a spiritualist church

220

00:09:25,750 --> 00:09:23,920

on the gold coast in queensland

221

00:09:27,990 --> 00:09:25,760

australia

222

00:09:30,230 --> 00:09:28,000

at the time i had no idea who the lady

223

00:09:32,470 --> 00:09:30,240

was talking about and at that point was

224

00:09:34,630 --> 00:09:32,480

not aware i was able to channel spirit

225

00:09:37,110 --> 00:09:34,640

guides through my drawing

226

00:09:39,910 --> 00:09:37,120

years later i was preparing to go to my

227

00:09:42,070 --> 00:09:39,920

first platform appearance and as i gazed

228

00:09:46,389 --> 00:09:42,080

at this image of orpheus i had channeled

229

00:09:48,870 --> 00:09:46,399

for myself i suddenly had the aha moment

230

00:09:51,829 --> 00:09:48,880

that this was the spirit that had come

231

00:09:53,509 --> 00:09:51,839

through to me four or five years prior

232

00:09:56,070 --> 00:09:53,519

thank you for your patience with me

233

00:09:58,230 --> 00:09:56,080

orpheus i am honored to help in your

234

00:10:00,710 --> 00:09:58,240

work helping people to connect with

235

00:10:01,990 --> 00:10:00,720

their own spiritual guides

236

00:10:03,910 --> 00:10:02,000

namaste

237

00:10:06,389 --> 00:10:03,920

i didn't get a chance to talk with that

238

00:10:07,990 --> 00:10:06,399

lady as she was busy with an artwork at

239

00:10:10,310 --> 00:10:08,000

the time

240

00:10:11,509 --> 00:10:10,320

the next door holders were also very

241

00:10:13,910 --> 00:10:11,519

interesting

242

00:10:16,389 --> 00:10:13,920

the first thing i noticed were a variety

243

00:10:17,670 --> 00:10:16,399

of dowsing or water divining rods on the

244

00:10:19,269 --> 00:10:17,680

table

245

00:10:20,230 --> 00:10:19,279

there was a banner behind them which

246

00:10:22,710 --> 00:10:20,240

read

247

00:10:27,269 --> 00:10:22,720

biogenetic balance

248

00:10:30,710 --> 00:10:27,279

we balance your land horse and you

249

00:10:34,069 --> 00:10:30,720

this kind of blew my mind and i thought

250

00:10:35,750 --> 00:10:34,079

well i really wanted to know more

251
00:10:38,630 --> 00:10:35,760
firstly they said

252
00:10:39,990 --> 00:10:38,640
dowsing rods were not only for finding

253
00:10:42,069 --> 00:10:40,000
water

254
00:10:45,190 --> 00:10:42,079
they explained that mother earth has

255
00:10:47,430 --> 00:10:45,200
positive and negative energy fields and

256
00:10:49,590 --> 00:10:47,440
that they could advise on how to find

257
00:10:52,230 --> 00:10:49,600
those positive energy areas on a

258
00:10:55,110 --> 00:10:52,240
property for the family to inhabit

259
00:10:58,069 --> 00:10:55,120
by using the rods

260
00:11:01,430 --> 00:10:58,079
i asked that hypothetically if two of

261
00:11:02,710 --> 00:11:01,440
them advised on this independently for a

262
00:11:04,310 --> 00:11:02,720
client

263
00:11:05,670 --> 00:11:04,320

without knowing what the other was

264

00:11:07,590 --> 00:11:05,680

advising

265

00:11:09,670 --> 00:11:07,600

would they expect to come up with the

266

00:11:11,430 --> 00:11:09,680

same result

267

00:11:12,710 --> 00:11:11,440

there was a bit of an awkward silence

268

00:11:14,949 --> 00:11:12,720

where i thought

269

00:11:17,030 --> 00:11:14,959

this could go either way

270

00:11:18,949 --> 00:11:17,040

and then one of them replied

271

00:11:20,790 --> 00:11:18,959

good question

272

00:11:23,190 --> 00:11:20,800

the answer finally emerged that it

273

00:11:24,949 --> 00:11:23,200

depended on how much experience the

274

00:11:26,870 --> 00:11:24,959

diviner had

275

00:11:28,949 --> 00:11:26,880

a more experienced diviner would

276

00:11:30,630 --> 00:11:28,959

probably come up with the more accurate

277

00:11:32,790 --> 00:11:30,640

result

278

00:11:35,509 --> 00:11:32,800

out of the two of them one said his gift

279

00:11:37,829 --> 00:11:35,519

had been passed down through generations

280

00:11:39,990 --> 00:11:37,839

and that he had never asked for it

281

00:11:40,870 --> 00:11:40,000

the other was self-taught

282

00:11:41,750 --> 00:11:40,880

so

283

00:11:44,389 --> 00:11:41,760

maybe

284

00:11:46,230 --> 00:11:44,399

probably was not as accurate

285

00:11:50,069 --> 00:11:46,240

they also said that science had

286

00:11:53,269 --> 00:11:50,079

confirmed that water defining worked

287

00:11:55,829 --> 00:11:53,279

masaro emoto was presented as the

288

00:11:58,790 --> 00:11:55,839

irrefutable scientific proof

289

00:12:00,870 --> 00:11:58,800

that both homeopathy and water dividing

290

00:12:03,829 --> 00:12:00,880

are legitimate

291

00:12:06,310 --> 00:12:03,839

if you remember omoto was the japanese

292

00:12:08,389 --> 00:12:06,320

author and entrepreneur that believed

293

00:12:11,430 --> 00:12:08,399

his experiments showed that human

294

00:12:13,350 --> 00:12:11,440

emotion could alter water's physical

295

00:12:15,990 --> 00:12:13,360

structure

296

00:12:18,550 --> 00:12:16,000

i had to resist pointing them to james

297

00:12:21,269 --> 00:12:18,560

randy and dick smith's experiments on

298

00:12:23,509 --> 00:12:21,279

the accuracy of water diviners if you

299

00:12:26,389 --> 00:12:23,519

haven't seen it and you're interested

300

00:12:27,670 --> 00:12:26,399

search for james randy in australia on

301
00:12:29,750 --> 00:12:27,680

youtube

302
00:12:31,110 --> 00:12:29,760

i'd never heard of biogenetic balance

303
00:12:33,829 --> 00:12:31,120

before

304
00:12:36,310 --> 00:12:33,839

it's described in their brochure as

305
00:12:38,629 --> 00:12:36,320

energy healing and associated therapies

306
00:12:40,470 --> 00:12:38,639

in the most basic form as practice

307
00:12:42,949 --> 00:12:40,480

throughout the ages

308
00:12:45,590 --> 00:12:42,959

we are practitioners using energy to

309
00:12:48,389 --> 00:12:45,600

interpret and assist in aligning

310
00:12:51,030 --> 00:12:48,399

imbalance or maintaining optimum

311
00:12:53,350 --> 00:12:51,040

wellness via distance healing

312
00:12:57,269 --> 00:12:53,360

that works on a physical

313
00:12:59,509 --> 00:12:57,279

mental emotional and spiritual level

314

00:13:02,949 --> 00:12:59,519

they provide a service involving them

315

00:13:05,350 --> 00:13:02,959

constructing towers which are

316

00:13:07,990 --> 00:13:05,360

located on the earth's magnetic energy

317

00:13:09,910 --> 00:13:08,000

lines and act as a conductor by

318

00:13:12,150 --> 00:13:09,920

transmitting subtle energy from the

319

00:13:14,150 --> 00:13:12,160

outer atmosphere through to ground

320

00:13:15,269 --> 00:13:14,160

during the daylight hours balancing the

321

00:13:17,750 --> 00:13:15,279

soil

322

00:13:20,870 --> 00:13:17,760

at night towers transmit to the

323

00:13:23,110 --> 00:13:20,880

atmosphere balancing the air above to

324

00:13:25,030 --> 00:13:23,120

match the soil below

325

00:13:28,949 --> 00:13:25,040

they claim that the benefits of this

326

00:13:31,590 --> 00:13:28,959

service include but are not limited to

327

00:13:33,509 --> 00:13:31,600

plant growth and harvest the health of

328

00:13:35,269 --> 00:13:33,519

people and livestock

329

00:13:38,310 --> 00:13:35,279

farm profitability

330

00:13:39,829 --> 00:13:38,320

reductions in plant mortality reductions

331

00:13:42,389 --> 00:13:39,839

in pest damage

332

00:13:45,269 --> 00:13:42,399

no more need for chemical sprays

333

00:13:46,829 --> 00:13:45,279

soil ph levels remaining neutral

334

00:13:49,509 --> 00:13:46,839

and improved

335

00:13:51,350 --> 00:13:49,519

drainage perhaps the most extraordinary

336

00:13:54,710 --> 00:13:51,360

claim of these two was that they could

337

00:13:57,829 --> 00:13:54,720

heal a horse by way of administering

338

00:14:00,829 --> 00:13:57,839

chiropractic adjustments mentally

339

00:14:04,230 --> 00:14:00,839

anywhere nationally or

340

00:14:05,829 --> 00:14:04,240

internationally how i asked

341

00:14:08,389 --> 00:14:05,839

they answered that the owner of the

342

00:14:09,509 --> 00:14:08,399

horse just needs to write down the name

343

00:14:11,990 --> 00:14:09,519

of the horse

344

00:14:13,590 --> 00:14:12,000

in their own handwriting on a piece of

345

00:14:15,670 --> 00:14:13,600

paper

346

00:14:19,350 --> 00:14:15,680

thus giving permission for the healer to

347

00:14:21,910 --> 00:14:19,360

begin channeling the healing process

348

00:14:23,750 --> 00:14:21,920

another success story they related was

349

00:14:26,230 --> 00:14:23,760

about a client who had a cane toad

350

00:14:28,710 --> 00:14:26,240

problem which is certainly not unusual

351
00:14:32,310 --> 00:14:28,720
for many of us here in australia

352
00:14:33,750 --> 00:14:32,320
the procedure they use went as follows

353
00:14:36,550 --> 00:14:33,760
step one

354
00:14:39,269 --> 00:14:36,560
they kill one cane toad on the property

355
00:14:40,949 --> 00:14:39,279
with dettol which is an over-the-counter

356
00:14:44,389 --> 00:14:40,959
antiseptic

357
00:14:46,389 --> 00:14:44,399
step two they let the dead cane toad dry

358
00:14:47,829 --> 00:14:46,399
out in the sun

359
00:14:50,310 --> 00:14:47,839
step three

360
00:14:52,310 --> 00:14:50,320
the ashes of the cane toad were put into

361
00:14:54,710 --> 00:14:52,320
a bowl made of something

362
00:14:57,509 --> 00:14:54,720
i'm sorry i can't recall what that was

363
00:14:59,350 --> 00:14:57,519

but it was something specific

364

00:15:01,030 --> 00:14:59,360

and i confess at this point i was just

365

00:15:03,990 --> 00:15:01,040

trying to keep up

366

00:15:07,269 --> 00:15:04,000

step 4 the ashes in the bowl were put

367

00:15:08,310 --> 00:15:07,279

out in the paddock during the full moon

368

00:15:10,870 --> 00:15:08,320

result

369

00:15:12,550 --> 00:15:10,880

the following day all cane toads on the

370

00:15:15,350 --> 00:15:12,560

property were dead

371

00:15:16,629 --> 00:15:15,360

i was asked how science could explain

372

00:15:19,590 --> 00:15:16,639

that

373

00:15:22,389 --> 00:15:19,600

i must say there was an air of triumph

374

00:15:24,790 --> 00:15:22,399

and a gotcha moment on their part i

375

00:15:27,030 --> 00:15:24,800

replied that i could not explain it that

376

00:15:29,269 --> 00:15:27,040

no one could be expected to unless they

377

00:15:31,110 --> 00:15:29,279

were there at the time and saw the whole

378

00:15:33,350 --> 00:15:31,120

process unfold

379

00:15:35,189 --> 00:15:33,360

we parted on very good terms

380

00:15:37,509 --> 00:15:35,199

and i said truthfully that i hoped to

381

00:15:40,870 --> 00:15:37,519

bump into them again sometime and that i

382

00:15:43,030 --> 00:15:40,880

appreciated their time and talking to me

383

00:15:45,509 --> 00:15:43,040

so now to the part that went

384

00:15:48,230 --> 00:15:45,519

horribly wrong all right depending on

385

00:15:51,269 --> 00:15:48,240

how one looks at it i suppose

386

00:15:53,910 --> 00:15:51,279

it was a talk called girl talk for women

387

00:15:56,550 --> 00:15:53,920

what your gp isn't telling you what

388

00:15:58,389 --> 00:15:56,560

really matters when it comes to our body

389

00:16:01,110 --> 00:15:58,399

food and medicine

390

00:16:04,150 --> 00:16:01,120

by the title i didn't realize that this

391

00:16:07,030 --> 00:16:04,160

talk was going to be all about

392

00:16:09,509 --> 00:16:07,040

a woman's menstrual cycle problems and

393

00:16:11,670 --> 00:16:09,519

natural treatments that is treatments

394

00:16:14,230 --> 00:16:11,680

provided by the speaker if you became

395

00:16:17,269 --> 00:16:14,240

her client we took off our shoes and

396

00:16:19,269 --> 00:16:17,279

entered a tp type structure

397

00:16:21,189 --> 00:16:19,279

there were six of us all together which

398

00:16:24,310 --> 00:16:21,199

included the speaker

399

00:16:27,110 --> 00:16:24,320

we sat on yoga mats and cushions and the

400

00:16:29,590 --> 00:16:27,120

speaker asked me to pour the others each

401
00:16:32,629 --> 00:16:29,600
a cup of herbal tea

402
00:16:35,509 --> 00:16:32,639
i did this albeit somewhat awkwardly

403
00:16:38,710 --> 00:16:35,519
crawling slash bending slash trying to

404
00:16:40,949 --> 00:16:38,720
retain some semblance of grace slash

405
00:16:43,350 --> 00:16:40,959
as i reached across to each participant

406
00:16:45,590 --> 00:16:43,360
to hand them their teeth

407
00:16:48,550 --> 00:16:45,600
this space certainly had a nice feeling

408
00:16:51,350 --> 00:16:48,560
to it but it was not designed for people

409
00:16:54,470 --> 00:16:51,360
like myself with lower back issues

410
00:16:56,629 --> 00:16:54,480
and people like myself being clumsy at

411
00:16:58,870 --> 00:16:56,639
the best of times

412
00:17:01,670 --> 00:16:58,880
without asking us our names and without

413
00:17:05,189 --> 00:17:01,680

further ado we were each asked to relate

414

00:17:07,510 --> 00:17:05,199

what our menstrual cycles were like

415

00:17:09,909 --> 00:17:07,520

she explained that she wanted the hours

416

00:17:12,870 --> 00:17:09,919

session to be interactive with us all

417

00:17:15,270 --> 00:17:12,880

giving us stories and thoughts

418

00:17:17,829 --> 00:17:15,280

i came to realize later that the

419

00:17:20,069 --> 00:17:17,839

thoughts were only welcome if we agreed

420

00:17:22,470 --> 00:17:20,079

with the speaker's opinions

421

00:17:24,230 --> 00:17:22,480

so anyway the others spoke first about

422

00:17:26,789 --> 00:17:24,240

their cycles

423

00:17:29,190 --> 00:17:26,799

and they were very open and honest

424

00:17:31,350 --> 00:17:29,200

then it was my turn

425

00:17:34,230 --> 00:17:31,360

forgive me for the details

426
00:17:36,230 --> 00:17:34,240
and believe me i am sparing you most of

427
00:17:39,590 --> 00:17:36,240
the details here

428
00:17:42,230 --> 00:17:39,600
but it is important to the story

429
00:17:45,190 --> 00:17:42,240
i told them i had a contraceptive device

430
00:17:47,029 --> 00:17:45,200
put in not for contraception as such

431
00:17:49,110 --> 00:17:47,039
but to help with the difficulty i had

432
00:17:51,430 --> 00:17:49,120
each month with extensive pain and

433
00:17:54,710 --> 00:17:51,440
forced bed rest i relayed how much it

434
00:17:56,310 --> 00:17:54,720
had helped me so much live a normal

435
00:17:58,390 --> 00:17:56,320
active life again

436
00:17:59,590 --> 00:17:58,400
i was met with a

437
00:18:01,669 --> 00:17:59,600
well

438
00:18:03,110 --> 00:18:01,679

that's a different perspective

439

00:18:04,710 --> 00:18:03,120

okay thanks

440

00:18:07,270 --> 00:18:04,720

by the speaker

441

00:18:09,430 --> 00:18:07,280

it was then that i noticed she had one

442

00:18:10,390 --> 00:18:09,440

of these devices beside her in its

443

00:18:12,230 --> 00:18:10,400

package

444

00:18:15,350 --> 00:18:12,240

alongside various packets of

445

00:18:16,230 --> 00:18:15,360

contraceptive pills realization dawned

446

00:18:17,750 --> 00:18:16,240

on me

447

00:18:21,110 --> 00:18:17,760

that perhaps

448

00:18:23,110 --> 00:18:21,120

i was the epitome of everything a woman

449

00:18:26,230 --> 00:18:23,120

should not be doing

450

00:18:27,190 --> 00:18:26,240

for optimum female health

451
00:18:29,190 --> 00:18:27,200
whoops

452
00:18:32,070 --> 00:18:29,200
she went on to say over the next 20

453
00:18:33,750 --> 00:18:32,080
minutes or so how a woman's cycle was

454
00:18:34,870 --> 00:18:33,760
like the cycle of the moon and the

455
00:18:36,870 --> 00:18:34,880
plants

456
00:18:39,510 --> 00:18:36,880
something about a new moon and a new

457
00:18:41,350 --> 00:18:39,520
phase for women and something about

458
00:18:42,950 --> 00:18:41,360
plants not flowering until they had

459
00:18:45,750 --> 00:18:42,960
strong roots

460
00:18:47,750 --> 00:18:45,760
howard lost sight of this gift and were

461
00:18:48,789 --> 00:18:47,760
now being taught to think of it as a

462
00:18:50,950 --> 00:18:48,799
curse

463
00:18:52,870 --> 00:18:50,960

how many of us have taken the easy way

464

00:18:55,510 --> 00:18:52,880

out with artificial contraceptive

465

00:18:58,230 --> 00:18:55,520

devices instead of embracing our natural

466

00:19:01,029 --> 00:18:58,240

cycles she then passed around the same

467

00:19:04,230 --> 00:19:01,039

device i had in its packet emphasizing

468

00:19:06,549 --> 00:19:04,240

to me i'm not judging you she explained

469

00:19:09,029 --> 00:19:06,559

how artificial contraception was giving

470

00:19:11,669 --> 00:19:09,039

us cancer how could it be any other way

471

00:19:14,710 --> 00:19:11,679

she said since they secreted drugs

472

00:19:15,830 --> 00:19:14,720

directly into our most sensitive women's

473

00:19:18,390 --> 00:19:15,840

bits

474

00:19:20,310 --> 00:19:18,400

it was obvious she said to her that this

475

00:19:22,630 --> 00:19:20,320

would cause changes in the cells that

476
00:19:24,789 --> 00:19:22,640
resulted in cancer

477
00:19:27,430 --> 00:19:24,799
she talked about how she as a skilled

478
00:19:29,990 --> 00:19:27,440
practitioner could easily help people

479
00:19:32,549 --> 00:19:30,000
without them going on contraception and

480
00:19:35,669 --> 00:19:32,559
turned to me and told me she could fix

481
00:19:37,510 --> 00:19:35,679
me with medicinal plants and herbs i

482
00:19:38,390 --> 00:19:37,520
became more and more frustrated and

483
00:19:40,470 --> 00:19:38,400
upset

484
00:19:43,590 --> 00:19:40,480
as she talked about doctors taking the

485
00:19:46,150 --> 00:19:43,600
easy way out that she liked doctors but

486
00:19:48,390 --> 00:19:46,160
only for emergency care and diagnostic

487
00:19:51,029 --> 00:19:48,400
tools she said she had taken advantage

488
00:19:53,990 --> 00:19:51,039

of these services but would then often

489

00:19:55,830 --> 00:19:54,000

refuse any recommended treatment plan

490

00:19:58,310 --> 00:19:55,840

preferring to self-treat i've

491

00:20:00,950 --> 00:19:58,320

encountered similar comments before

492

00:20:04,310 --> 00:20:00,960

so-called western medicine is great for

493

00:20:06,789 --> 00:20:04,320

emergencies and diagnostics but crap at

494

00:20:08,630 --> 00:20:06,799

everything else i've come across it

495

00:20:10,549 --> 00:20:08,640

particularly with the topic of

496

00:20:12,470 --> 00:20:10,559

vaccination

497

00:20:15,430 --> 00:20:12,480

some are quite prepared to take their

498

00:20:17,110 --> 00:20:15,440

kids to an emergency department or a gp

499

00:20:18,710 --> 00:20:17,120

for emergency care

500

00:20:20,630 --> 00:20:18,720

and to trust the physicians to

501
00:20:22,710 --> 00:20:20,640
administer the treatment

502
00:20:26,070 --> 00:20:22,720
but not trust them when it comes to

503
00:20:28,470 --> 00:20:26,080
vaccination i don't understand this

504
00:20:31,510 --> 00:20:28,480
why trust doctors to do the best thing

505
00:20:33,909 --> 00:20:31,520
by your child in one situation

506
00:20:36,470 --> 00:20:33,919
but believe that the same doctors are

507
00:20:38,950 --> 00:20:36,480
out to knowingly harm your child in a

508
00:20:41,190 --> 00:20:38,960
different situation if the doctors are

509
00:20:43,029 --> 00:20:41,200
in the pocket of big pharma

510
00:20:45,750 --> 00:20:43,039
and you think that they secretly know

511
00:20:47,909 --> 00:20:45,760
that vaccines are harmful then why on

512
00:20:51,590 --> 00:20:47,919
earth would you trust doctors with your

513
00:20:53,510 --> 00:20:51,600

child's life in a critical situation

514

00:20:55,830 --> 00:20:53,520

so then she began to talk about her

515

00:20:58,630 --> 00:20:55,840

opinion of the dangers of the gardasil

516

00:21:00,230 --> 00:20:58,640

vaccine as you can imagine

517

00:21:02,549 --> 00:21:00,240

me being involved in the northern

518

00:21:05,909 --> 00:21:02,559

river's vaccination supporters group my

519

00:21:07,270 --> 00:21:05,919

blood pressure started to steadily climb

520

00:21:09,029 --> 00:21:07,280

if you're not too familiar with the

521

00:21:10,470 --> 00:21:09,039

gardasil vaccine here's a brief

522

00:21:13,270 --> 00:21:10,480

background

523

00:21:15,750 --> 00:21:13,280

gardasil is now offered to pre-teens in

524

00:21:18,470 --> 00:21:15,760

australia both girls and boys at about

525

00:21:21,430 --> 00:21:18,480

the age of 12 to 13.

526

00:21:24,870 --> 00:21:21,440

it's been remarkably successful in

527

00:21:27,510 --> 00:21:24,880

reducing human papillomavirus or hpv

528

00:21:31,350 --> 00:21:27,520

infection which is a significant cause

529

00:21:34,310 --> 00:21:31,360

of cervical cancer and genital warts

530

00:21:37,270 --> 00:21:34,320

the infection can also cause penile and

531

00:21:39,669 --> 00:21:37,280

anal cancers in males and some cancers

532

00:21:42,470 --> 00:21:39,679

of the head and neck

533

00:21:44,470 --> 00:21:42,480

the incidence rates of presentations to

534

00:21:47,590 --> 00:21:44,480

clinics with genital warts have been

535

00:21:50,070 --> 00:21:47,600

reduced by about 61 percent

536

00:21:54,149 --> 00:21:50,080

since the vaccine has been introduced in

537

00:21:55,190 --> 00:21:54,159

australia in the year 2007.

538

00:21:58,070 --> 00:21:55,200

okay

539

00:22:00,070 --> 00:21:58,080

so she began by talking about how many

540

00:22:03,350 --> 00:22:00,080

adverse effects and deaths there had

541

00:22:05,270 --> 00:22:03,360

been from the gardasil vaccine

542

00:22:08,149 --> 00:22:05,280

and it was at this point that i felt

543

00:22:10,630 --> 00:22:08,159

like i would burst a fufu valve if i

544

00:22:14,149 --> 00:22:10,640

didn't speak up somewhere in the back of

545

00:22:17,430 --> 00:22:14,159

my mind i heard tim mentioned saying in

546

00:22:20,070 --> 00:22:17,440

for a penny in for a pound

547

00:22:22,149 --> 00:22:20,080

so i interjected

548

00:22:24,630 --> 00:22:22,159

i began by saying that the gardasil

549

00:22:26,470 --> 00:22:24,640

vaccination initiative since being

550

00:22:29,750 --> 00:22:26,480

introduced in australia

551
00:22:32,470 --> 00:22:29,760
was a fabulous public health initiative

552
00:22:35,029 --> 00:22:32,480
i gave her some statistics about just

553
00:22:36,470 --> 00:22:35,039
how effective this vaccine had been thus

554
00:22:38,390 --> 00:22:36,480
far

555
00:22:40,870 --> 00:22:38,400
she told me she disagreed

556
00:22:42,950 --> 00:22:40,880
and that why would they have not just

557
00:22:44,950 --> 00:22:42,960
continued with pap smears without the

558
00:22:47,350 --> 00:22:44,960
need for the vaccine

559
00:22:50,310 --> 00:22:47,360
i said this was not about opinion and

560
00:22:52,149 --> 00:22:50,320
disagreeing but about the facts when i

561
00:22:54,149 --> 00:22:52,159
mentioned the word science in relation

562
00:22:56,549 --> 00:22:54,159
to the studies i was surprised to see

563
00:22:59,909 --> 00:22:56,559

her visibly recoil it was a very

564

00:23:02,950 --> 00:22:59,919

visceral a very telling reaction

565

00:23:04,950 --> 00:23:02,960

this was not going well at all

566

00:23:06,710 --> 00:23:04,960

so i tried addressing her comment about

567

00:23:08,630 --> 00:23:06,720

pap smears being good enough without the

568

00:23:10,710 --> 00:23:08,640

vaccine

569

00:23:12,950 --> 00:23:10,720

i explained that pap smears picked up

570

00:23:15,669 --> 00:23:12,960

abnormalities in cells that were already

571

00:23:16,950 --> 00:23:15,679

present whereas the vaccine prevented

572

00:23:19,830 --> 00:23:16,960

infection

573

00:23:21,669 --> 00:23:19,840

that pap smears was still very important

574

00:23:24,630 --> 00:23:21,679

as the vaccine does not cover all

575

00:23:26,630 --> 00:23:24,640

strains of hpv infection

576

00:23:28,149 --> 00:23:26,640

she counted with the opinion that if

577

00:23:30,230 --> 00:23:28,159

girls were taught to look after their

578

00:23:33,029 --> 00:23:30,240

bodies and their mental and spiritual

579

00:23:35,669 --> 00:23:33,039

health they would be protected

580

00:23:38,470 --> 00:23:35,679

i counted with the fact that no amount

581

00:23:40,630 --> 00:23:38,480

of spiritual mental or dietary self-help

582

00:23:42,870 --> 00:23:40,640

can protect one against sexually

583

00:23:44,870 --> 00:23:42,880

transmittable diseases

584

00:23:47,110 --> 00:23:44,880

she came back with

585

00:23:50,070 --> 00:23:47,120

and now they've started giving boys this

586

00:23:53,270 --> 00:23:50,080

vaccine go figure it makes no sense to

587

00:23:56,390 --> 00:23:54,630

deep breaths

588

00:23:58,310 --> 00:23:56,400

it was at this point

589

00:24:00,789 --> 00:23:58,320

i realized that i was talking with

590

00:24:02,950 --> 00:24:00,799

someone who had not even a basic

591

00:24:04,549 --> 00:24:02,960

understanding of the vaccine she was

592

00:24:06,870 --> 00:24:04,559

denigrating

593

00:24:09,510 --> 00:24:06,880

i told her about the penile and anal

594

00:24:11,669 --> 00:24:09,520

cancers it also had a protective effect

595

00:24:13,990 --> 00:24:11,679

for that it was important to give it to

596

00:24:17,029 --> 00:24:14,000

pre-teens who were not yet sexually

597

00:24:19,350 --> 00:24:17,039

active as around 80 of people will be

598

00:24:22,789 --> 00:24:19,360

infected with hpv at some point in their

599

00:24:24,870 --> 00:24:22,799

lives once they become sexually active

600

00:24:27,750 --> 00:24:24,880

she continued to shift the goal posts

601
00:24:29,830 --> 00:24:27,760
after each refutation i provided she

602
00:24:31,830 --> 00:24:29,840
ignored my statements about pap smears

603
00:24:34,870 --> 00:24:31,840
and why boys needed the vaccine as well

604
00:24:37,190 --> 00:24:34,880
as girls she was angry now no doubt

605
00:24:39,190 --> 00:24:37,200
about it and started talking about how

606
00:24:41,669 --> 00:24:39,200
everyone should be screened before

607
00:24:44,470 --> 00:24:41,679
receiving any vaccine to see if they

608
00:24:46,630 --> 00:24:44,480
were going to have an adverse reaction

609
00:24:48,470 --> 00:24:46,640
at first with this point i thought she

610
00:24:50,070 --> 00:24:48,480
was talking about the small risk of

611
00:24:51,990 --> 00:24:50,080
anaphylaxis

612
00:24:54,470 --> 00:24:52,000
but then she said

613
00:24:57,590 --> 00:24:54,480

what if someone has weak kidneys and has

614

00:24:59,350 --> 00:24:57,600

a very strong vaccine given to them

615

00:25:01,669 --> 00:24:59,360

i was i confess

616

00:25:05,110 --> 00:25:01,679

at a loss at what to say to that

617

00:25:06,950 --> 00:25:05,120

statement i wanted to say weak kidneys

618

00:25:09,029 --> 00:25:06,960

what what

619

00:25:10,390 --> 00:25:09,039

i asked here where she was getting her

620

00:25:14,310 --> 00:25:10,400

evidence from

621

00:25:17,269 --> 00:25:14,320

she was visibly flustered and i was too

622

00:25:17,990 --> 00:25:17,279

she replied the same place your evidence

623

00:25:20,070 --> 00:25:18,000

is

624

00:25:22,390 --> 00:25:20,080

she then accused me of being very strong

625

00:25:25,590 --> 00:25:22,400

in my opinions when all she was trying

626
00:25:27,990 --> 00:25:25,600
to do was to give her presentation

627
00:25:29,990 --> 00:25:28,000
well she was probably right there i

628
00:25:32,549 --> 00:25:30,000
became aware of how awkward the others

629
00:25:34,710 --> 00:25:32,559
in the group were and i felt quite

630
00:25:36,230 --> 00:25:34,720
ashamed that i had let my emotions get

631
00:25:38,789 --> 00:25:36,240
in the way

632
00:25:41,269 --> 00:25:38,799
i excused myself 15 minutes before her

633
00:25:43,110 --> 00:25:41,279
presentation was to end i really felt

634
00:25:44,870 --> 00:25:43,120
like going back to the biogenetic

635
00:25:46,950 --> 00:25:44,880
balance people and asking them to

636
00:25:48,470 --> 00:25:46,960
measure the negative energy in the tent

637
00:25:49,909 --> 00:25:48,480
after i'd left

638
00:25:52,230 --> 00:25:49,919

so

639

00:25:54,549 --> 00:25:52,240

it's apparently completely different

640

00:25:57,029 --> 00:25:54,559

speaking with people face to face than

641

00:25:59,029 --> 00:25:57,039

it is over the internet

642

00:26:00,710 --> 00:25:59,039

the dynamics are different

643

00:26:03,430 --> 00:26:00,720

you don't have time to gather your

644

00:26:05,350 --> 00:26:03,440

thoughts and emotions when face to face

645

00:26:07,590 --> 00:26:05,360

you can't look up the literature and

646

00:26:08,789 --> 00:26:07,600

have multiple different tabs open in

647

00:26:13,269 --> 00:26:08,799

front of you

648

00:26:15,590 --> 00:26:13,279

perhaps have empathy for them and they

649

00:26:17,830 --> 00:26:15,600

you on the other hand there are also

650

00:26:19,750 --> 00:26:17,840

occurrences where there is no common

651

00:26:22,789 --> 00:26:19,760

ground reached and the anger and

652

00:26:25,350 --> 00:26:22,799

frustration of both parties is palpable

653

00:26:27,269 --> 00:26:25,360

obviously i still have a lot to learn

654

00:26:29,590 --> 00:26:27,279

i don't know the best way to communicate

655

00:26:33,190 --> 00:26:29,600

with people who are immune pardon the

656

00:26:35,269 --> 00:26:33,200

pun to the best evidence that is there

657

00:26:37,909 --> 00:26:35,279

how can you argue against someone who

658

00:26:40,230 --> 00:26:37,919

says that intuition and anecdotal

659

00:26:42,870 --> 00:26:40,240

evidence are more powerful to them than

660

00:26:45,110 --> 00:26:42,880

science to me it has been more than

661

00:26:47,350 --> 00:26:45,120

worthwhile to experience the range of

662

00:26:49,269 --> 00:26:47,360

reactions and emotions i felt during

663

00:26:51,350 --> 00:26:49,279

those few hours

664

00:26:53,669 --> 00:26:51,360

i'm sure i'll do it again one day but

665

00:26:55,990 --> 00:26:53,679

i'll make sure that next time i take

666

00:26:59,750 --> 00:26:56,000

along a like-minded friend for some

667

00:27:01,590 --> 00:26:59,760

emotional support thanks folks find us

668

00:27:03,510 --> 00:27:01,600

the northern rivers vaccination

669

00:27:04,830 --> 00:27:03,520

supporters on twitter

670

00:27:10,789 --> 00:27:04,840

at

671

00:27:13,029 --> 00:27:10,799

or on facebook

672

00:27:15,830 --> 00:27:13,039

or at our website

673

00:27:29,350 --> 00:27:15,840

nrvs.info

674

00:27:33,830 --> 00:27:31,510

the skeptic zone is brought to you by dr

675

00:27:37,190 --> 00:27:33,840

bob's trivia quiz visit

676

00:27:43,269 --> 00:27:39,350

and see if you can match wits with dr

677

00:27:48,310 --> 00:27:46,310

welcome to a week in science from rios

678

00:27:50,390 --> 00:27:48,320

bringing you the science you need to

679

00:27:53,110 --> 00:27:50,400

know how will the inhabitants of the

680

00:27:54,710 --> 00:27:53,120

most remote places on earth fare under a

681

00:27:56,710 --> 00:27:54,720

changing climate

682

00:28:02,870 --> 00:27:56,720

not too well as we take a look at

683

00:28:07,350 --> 00:28:05,510

this is the tale of two penguins one

684

00:28:10,789 --> 00:28:07,360

winner one loser

685

00:28:14,310 --> 00:28:10,799

this isn't a delhi penguin

686

00:28:16,389 --> 00:28:14,320

this is a gentoo penguin

687

00:28:18,870 --> 00:28:16,399

they are closely related and they both

688

00:28:20,950 --> 00:28:18,880

eat krill and the same kinds of fish

689

00:28:24,389 --> 00:28:20,960

over the past few decades a deli

690

00:28:26,549 --> 00:28:24,399

populations have been in rapid decline

691

00:28:28,549 --> 00:28:26,559

during the same period gentoo

692

00:28:30,389 --> 00:28:28,559

populations have grown and they've

693

00:28:33,029 --> 00:28:30,399

extended their distribution further

694

00:28:35,830 --> 00:28:33,039

south it looks like changes in sea ice

695

00:28:38,389 --> 00:28:35,840

due to climate change may be the key

696

00:28:40,950 --> 00:28:38,399

gentoos are adapted to sub-antarctic

697

00:28:42,070 --> 00:28:40,960

islands where they forage in ice-free

698

00:28:44,549 --> 00:28:42,080

areas

699

00:28:45,830 --> 00:28:44,559

a delhi penguins spend their winters in

700

00:28:48,310 --> 00:28:45,840

the pack ice

701
00:28:50,789 --> 00:28:48,320
so one penguin's loss is another bird's

702
00:28:56,630 --> 00:28:54,070
newborn antarctic fur seals are also

703
00:28:58,549 --> 00:28:56,640
feeling the pinch due to climate change

704
00:29:01,110 --> 00:28:58,559
during the first few months of life

705
00:29:03,990 --> 00:29:01,120
antarctic fur seal pups are especially

706
00:29:05,830 --> 00:29:04,000
vulnerable to cold conditions climate

707
00:29:08,149 --> 00:29:05,840
models may show an increase in

708
00:29:10,470 --> 00:29:08,159
temperature but windier and wetter

709
00:29:12,389 --> 00:29:10,480
conditions mean pups will have to divert

710
00:29:15,029 --> 00:29:12,399
more energy into keeping warm

711
00:29:17,909 --> 00:29:15,039
and less into growing up this change

712
00:29:20,549 --> 00:29:17,919
will dramatically affect fur seal pup

713
00:29:22,389 --> 00:29:20,559

survival rates added to this it is

714

00:29:25,110 --> 00:29:22,399

likely that climate change will affect

715

00:29:27,669 --> 00:29:25,120

the availability of prey placing even

716

00:29:30,230 --> 00:29:27,679

more stress on the vulnerable pups and

717

00:29:34,149 --> 00:29:30,240

now four fast facts about antarctic

718

00:29:39,029 --> 00:29:36,710

antarctic whale species such as minkes

719

00:29:41,350 --> 00:29:39,039

and humpbacks could lose between five

720

00:29:44,230 --> 00:29:41,360

and thirty percent of their habitat as

721

00:29:46,789 --> 00:29:44,240

the oceans warm leopard seals face an

722

00:29:49,909 --> 00:29:46,799

uncertain future as large areas of sea

723

00:29:52,070 --> 00:29:49,919

ice on which they breed disappear krill

724

00:29:54,710 --> 00:29:52,080

the southern ocean's main food source

725

00:29:57,669 --> 00:29:54,720

are in decline with losses of up to 80

726

00:29:58,710 --> 00:29:57,679

percent in some areas in the past 30

727

00:30:00,710 --> 00:29:58,720

years

728

00:30:03,430 --> 00:30:00,720

and the annual migration of killer

729

00:30:05,990 --> 00:30:03,440

whales may be severely affected by the

730

00:30:08,549 --> 00:30:06,000

loss of ice flows normally they would

731

00:30:11,110 --> 00:30:08,559

follow these around the polar seas

732

00:30:13,350 --> 00:30:11,120

that's it for this a week in science for

733

00:30:15,269 --> 00:30:13,360

more information on antarctic wildlife

734

00:30:19,190 --> 00:30:15,279

and climate change go to the rio's

735

00:30:24,870 --> 00:30:22,389

follow us on twitter at rios and like us

736

00:30:44,149 --> 00:30:24,880

on facebook i'm paul willis and we'll

737

00:30:52,389 --> 00:30:48,630

qed 2015 with matt dillahunty lucy green

738

00:30:54,470 --> 00:30:52,399

bruce hood and more tickets for qed 2015

739

00:30:55,669 --> 00:30:54,480

are currently on sale to get your ticket

740

00:30:57,990 --> 00:30:55,679

to one of the highlights of the

741

00:31:01,269 --> 00:30:58,000

skeptical humanist calendar

742

00:31:03,990 --> 00:31:01,279

visit qedcon.org

743

00:31:05,269 --> 00:31:04,000

tickets and what a line up qed has this

744

00:31:08,870 --> 00:31:05,279

year including

745

00:31:11,909 --> 00:31:08,880

oh one of my favorites dr harriet hall

746

00:31:14,310 --> 00:31:11,919

i met harriet years ago actually on a an

747

00:31:16,789 --> 00:31:14,320

amazing adventure

748

00:31:18,470 --> 00:31:16,799

the skeptoc she's called absolutely

749

00:31:19,750 --> 00:31:18,480

worth the price of admission alone

750

00:31:22,230 --> 00:31:19,760

doctor harriet hall but of course

751
00:31:24,549 --> 00:31:22,240
professor bruce hood he's a funny guy

752
00:31:26,149 --> 00:31:24,559
he's great always good value all sorts

753
00:31:27,909 --> 00:31:26,159
of other people will be there brits will

754
00:31:31,029 --> 00:31:27,919
certainly know mitch ben who's going to

755
00:31:32,870 --> 00:31:31,039
be there and you can be the one and only

756
00:31:35,110 --> 00:31:32,880
michael marshall as well as all the

757
00:31:37,669 --> 00:31:35,120
other merseyside skeptics and the

758
00:31:39,750 --> 00:31:37,679
skeptics from manchester i had a great

759
00:31:42,070 --> 00:31:39,760
time at qed two years running i was

760
00:31:44,230 --> 00:31:42,080
there how lucky was i it certainly is

761
00:31:46,789 --> 00:31:44,240
one of the better skeptical conventions

762
00:31:50,389 --> 00:31:46,799
anywhere in the world uh don't delay get

763
00:31:53,590 --> 00:31:50,399

your tickets at qedcon.org

764

00:31:55,110 --> 00:31:53,600

tickets question explore discover and

765

00:31:57,350 --> 00:31:55,120

this is being held in manchester of

766

00:32:00,149 --> 00:31:57,360

course at the palace hotel

767

00:32:02,310 --> 00:32:00,159

and that's where that area at trafford

768

00:32:03,990 --> 00:32:02,320

that's where my great grandmother came

769

00:32:06,630 --> 00:32:04,000

from so i've got a sort of a little

770

00:32:09,350 --> 00:32:06,640

connection with that area again qed what

771

00:32:22,310 --> 00:32:09,360

a great conference it is kicking off on

772

00:32:30,549 --> 00:32:26,389

here's maynard's spooky action

773

00:32:33,669 --> 00:32:32,310

i couldn't be more excited because i'm

774

00:32:35,269 --> 00:32:33,679

with one of the biggest skeptics in the

775

00:32:36,310 --> 00:32:35,279

uk we've got

776

00:32:38,389 --> 00:32:36,320

marsh

777

00:32:40,950 --> 00:32:38,399

from from the most headscaped society

778

00:32:42,549 --> 00:32:40,960

from skeptics with a k from this and

779

00:32:44,310 --> 00:32:42,559

that really a bit everywhere well

780

00:32:46,310 --> 00:32:44,320

perhaps the most exciting thing on your

781

00:32:47,909 --> 00:32:46,320

show i've ever discovered is what i call

782

00:32:49,830 --> 00:32:47,919

the great big book of [h__h] and you

783

00:32:52,230 --> 00:32:49,840

brought it to australia with you tell

784

00:32:53,350 --> 00:32:52,240

the listeners all about this yeah i love

785

00:32:54,950 --> 00:32:53,360

this so this is the giant book of

786

00:32:56,389 --> 00:32:54,960

fantastic facts and how it came about is

787

00:32:58,149 --> 00:32:56,399

there's that mike hall who's the uh the

788

00:32:59,350 --> 00:32:58,159

presenter of skeptics with the k look

789

00:33:00,950 --> 00:32:59,360

i'm going to put my reading glasses on

790

00:33:03,350 --> 00:33:00,960

for this because i expected it to be a

791

00:33:04,870 --> 00:33:03,360

bit more bible-like and not as childlike

792

00:33:05,909 --> 00:33:04,880

it's actually more childlike than i

793

00:33:07,669 --> 00:33:05,919

thought i thought it was going to be a

794

00:33:08,870 --> 00:33:07,679

bit more you know the chariots of the

795

00:33:10,710 --> 00:33:08,880

gods kind of thing you know a bit more

796

00:33:12,549 --> 00:33:10,720

eric von danigan oh van danigan you know

797

00:33:14,470 --> 00:33:12,559

i tried to interview van danigan we just

798

00:33:15,830 --> 00:33:14,480

didn't get a date for it i'm gutted he's

799

00:33:17,509 --> 00:33:15,840

still on my list oh you've got to get

800

00:33:18,950 --> 00:33:17,519

because he's got the bling he's got the

801

00:33:20,630 --> 00:33:18,960

rings he likes to smoke the cigar he

802

00:33:22,710 --> 00:33:20,640

always has a glass of fine scotch with

803

00:33:24,070 --> 00:33:22,720

him he's top yeah yeah i'd love to speak

804

00:33:25,430 --> 00:33:24,080

to him but yeah so it's a giant book of

805

00:33:26,950 --> 00:33:25,440

facts it is a kid's book and it's a

806

00:33:28,950 --> 00:33:26,960

kid's book that mike hall the president

807

00:33:30,549 --> 00:33:28,960

of the merseyside skeptics had when he

808

00:33:31,750 --> 00:33:30,559

was a kid and he read it and he believed

809

00:33:33,029 --> 00:33:31,760

every word of this because you're a kid

810

00:33:34,389 --> 00:33:33,039

it's in a book it's written down it must

811

00:33:35,909 --> 00:33:34,399

be true well look it starts with

812

00:33:38,230 --> 00:33:35,919

something on the on the front it's a

813

00:33:39,750 --> 00:33:38,240

fact that hippos are heavier than humans

814

00:33:41,509 --> 00:33:39,760

i'm sorry but what's that all about well

815

00:33:43,029 --> 00:33:41,519

it's true that that is a fact that that

816

00:33:44,389 --> 00:33:43,039

is that is a mundane fact that's in

817

00:33:46,549 --> 00:33:44,399

there but some of the other facts in

818

00:33:48,549 --> 00:33:46,559

here uh are not actual facts at all in

819

00:33:50,470 --> 00:33:48,559

fact one of them in here uh like i said

820

00:33:52,310 --> 00:33:50,480

they're pretty poor drawings too oh god

821

00:33:53,430 --> 00:33:52,320

yeah they're really really awful and

822

00:33:55,350 --> 00:33:53,440

then one of the stories in here was

823

00:33:57,590 --> 00:33:55,360

about a guy who um he got out of bed one

824

00:33:58,870 --> 00:33:57,600

day and his feet didn't touch the ground

825

00:34:00,389 --> 00:33:58,880

and he spent the entire day just

826

00:34:01,990 --> 00:34:00,399

floating around and then at the end of

827

00:34:03,509 --> 00:34:02,000

the day he landed again and he could

828

00:34:06,389 --> 00:34:03,519

never fly again

829

00:34:09,030 --> 00:34:06,399

that's complete nonsense yeah what the

830

00:34:10,869 --> 00:34:09,040

citation please well obviously none of

831

00:34:12,149 --> 00:34:10,879

this has any kind of uh evidence behind

832

00:34:13,190 --> 00:34:12,159

it so this is what mike did he he

833

00:34:14,230 --> 00:34:13,200

remembered when we were starting when we

834

00:34:15,669 --> 00:34:14,240

were in the middle of the show he

835

00:34:17,430 --> 00:34:15,679

remembered this book as a kid and he

836

00:34:19,030 --> 00:34:17,440

thought hang on this was nonsense you

837

00:34:20,310 --> 00:34:19,040

know and he found a copy of it so he

838

00:34:22,629 --> 00:34:20,320

bought a copy and then what we do every

839

00:34:24,149 --> 00:34:22,639

week on the show is pick a story and

840

00:34:25,349 --> 00:34:24,159

he'd read it out to us as it appears in

841

00:34:26,710 --> 00:34:25,359

the book and we have to kind of guess

842

00:34:28,069 --> 00:34:26,720

whether we think it's true or false and

843

00:34:29,510 --> 00:34:28,079

then he'd do the research to figure out

844

00:34:31,430 --> 00:34:29,520

if it was true or not can you give us a

845

00:34:33,190 --> 00:34:31,440

sample here one of your favorites

846

00:34:35,030 --> 00:34:33,200

uh let me have a seat i mean there was

847

00:34:37,190 --> 00:34:35,040

one this book has come all the way from

848

00:34:39,829 --> 00:34:37,200

england everybody this is real this is

849

00:34:41,589 --> 00:34:39,839

this is uh literature royalty it is

850

00:34:42,710 --> 00:34:41,599

absolutely you know it's come from uh i

851
00:34:44,069 --> 00:34:42,720
brought it all the way with me but

852
00:34:46,389 --> 00:34:44,079
there's a fantastic story i wonder if i

853
00:34:48,230 --> 00:34:46,399
can find it which was about a guy during

854
00:34:50,389 --> 00:34:48,240
the second world war who was flying a

855
00:34:52,230 --> 00:34:50,399
plane and uh he had to bail out of the

856
00:34:53,589 --> 00:34:52,240
plane because i saw a drawing of someone

857
00:34:55,349 --> 00:34:53,599
with their hands up earlier i think was

858
00:34:57,190 --> 00:34:55,359
it was the drawing with the hands up

859
00:34:59,030 --> 00:34:57,200
well he was flying a plane at the time

860
00:35:00,470 --> 00:34:59,040
and uh he had to bail out of the plane

861
00:35:02,790 --> 00:35:00,480
because it had been uh it had been shot

862
00:35:04,550 --> 00:35:02,800
down and so he didn't have a parachute

863
00:35:06,630 --> 00:35:04,560

or anything like that so he just jumped

864

00:35:08,150 --> 00:35:06,640

out and uh he was like you know 40 000

865

00:35:10,069 --> 00:35:08,160

feet in the air or 10 20 000 feet in the

866

00:35:11,829 --> 00:35:10,079

air or whatever and uh he fell and

867

00:35:13,109 --> 00:35:11,839

because he landed in some snow it

868

00:35:14,950 --> 00:35:13,119

cushioned his fall and he's totally

869

00:35:16,550 --> 00:35:14,960

survived it was absolutely fine and we

870

00:35:17,750 --> 00:35:16,560

thought this has got to be nonsense you

871

00:35:19,349 --> 00:35:17,760

know you can't jump out of a plane and

872

00:35:21,190 --> 00:35:19,359

survive but when mike looked into it it

873

00:35:22,790 --> 00:35:21,200

was absolutely true wow and it was even

874

00:35:24,310 --> 00:35:22,800

more interesting that the guy who you

875

00:35:26,230 --> 00:35:24,320

know he did landed a massive bale of

876

00:35:27,670 --> 00:35:26,240

snow his fall was broken by some trees

877

00:35:29,270 --> 00:35:27,680

he jumped out of a plane at the highest

878

00:35:31,589 --> 00:35:29,280

kind of height that he'd been flying as

879

00:35:34,150 --> 00:35:31,599

a fighter pilot and then he was captured

880

00:35:35,910 --> 00:35:34,160

and he went into uh a um a concentration

881

00:35:38,870 --> 00:35:35,920

camp for a while you know a prisoner of

882

00:35:40,550 --> 00:35:38,880

war camp and uh he was part of the the

883

00:35:41,910 --> 00:35:40,560

film that the he's part of the the

884

00:35:43,589 --> 00:35:41,920

actual escape that the great escape was

885

00:35:44,630 --> 00:35:43,599

based on but he didn't try and escape

886

00:35:46,310 --> 00:35:44,640

because he was claustrophobic and

887

00:35:48,150 --> 00:35:46,320

couldn't go through the tunnels so is

888

00:35:49,349 --> 00:35:48,160

okay taking a dive from 40 000 feet

889

00:35:51,190 --> 00:35:49,359

without a parachute but going in a

890

00:35:52,390 --> 00:35:51,200

tunnel no way yeah exactly and this

891

00:35:54,230 --> 00:35:52,400

turned out to be true you know and this

892

00:35:56,390 --> 00:35:54,240

is the really weird thing about this

893

00:35:57,990 --> 00:35:56,400

book is that you've got such a range of

894

00:35:59,829 --> 00:35:58,000

complete nonsense in there but every now

895

00:36:02,069 --> 00:35:59,839

and again you'll just find a story

896

00:36:03,190 --> 00:36:02,079

that's absolutely true you know

897

00:36:06,150 --> 00:36:03,200

there's another story in here about the

898

00:36:07,510 --> 00:36:06,160

old old very old man who was uh it said

899

00:36:09,270 --> 00:36:07,520

about how he was who played a lot of

900

00:36:11,030 --> 00:36:09,280

bingo and drank port well apparently

901
00:36:12,630 --> 00:36:11,040
he'd live for like 200 years and then

902
00:36:14,790 --> 00:36:12,640
one day he died and they autopsied him

903
00:36:16,550 --> 00:36:14,800
and they found nothing weird and uh we

904
00:36:17,910 --> 00:36:16,560
don't you know it clearly wasn't true

905
00:36:20,069 --> 00:36:17,920
but what we think actually happened was

906
00:36:21,670 --> 00:36:20,079
he had a son with the same name as him

907
00:36:23,109 --> 00:36:21,680
and somewhere down the line the records

908
00:36:24,870 --> 00:36:23,119
got confused and it made him look like

909
00:36:26,310 --> 00:36:24,880
he was uh he was incredibly old but you

910
00:36:28,630 --> 00:36:26,320
know it's a well-known story apparently

911
00:36:29,349 --> 00:36:28,640
there's also some great uh mistake a few

912
00:36:31,829 --> 00:36:29,359
uh

913
00:36:34,069 --> 00:36:31,839

typos in there as well yeah well

914

00:36:35,910 --> 00:36:34,079

in part typos and just the glaring

915

00:36:36,870 --> 00:36:35,920

factual inaccuracies are amazing at one

916

00:36:38,470 --> 00:36:36,880

point they talk about you know the

917

00:36:40,390 --> 00:36:38,480

theory of relativity which was invented

918

00:36:42,150 --> 00:36:40,400

by gilbert einstein how do you not

919

00:36:43,589 --> 00:36:42,160

fact-check that of all things that's the

920

00:36:44,870 --> 00:36:43,599

easiest thing in the world to find out

921

00:36:47,109 --> 00:36:44,880

who believes he's called you know

922

00:36:49,190 --> 00:36:47,119

gilbert yeah it's it's a remarkable term

923

00:36:50,550 --> 00:36:49,200

you can you can touch the edges of the

924

00:36:52,790 --> 00:36:50,560

hems of the book

925

00:36:54,710 --> 00:36:52,800

i'm just touching uh the page the battle

926

00:36:56,230 --> 00:36:54,720

of the ghosts uh now is this some

927

00:36:58,470 --> 00:36:56,240

biblical story what tell us about farm

928

00:37:00,310 --> 00:36:58,480

workers on their way home from work from

929

00:37:01,750 --> 00:37:00,320

banbury to kinderton is that a

930

00:37:03,270 --> 00:37:01,760

particular specialty place or not is

931

00:37:05,030 --> 00:37:03,280

that a ghosty place i don't know it's in

932

00:37:06,870 --> 00:37:05,040

warwickshire they're saying that they uh

933

00:37:08,230 --> 00:37:06,880

saw and heard an action replay of the

934

00:37:09,750 --> 00:37:08,240

battle of edge hill which was fought

935

00:37:11,030 --> 00:37:09,760

three months earlier and how they saw

936

00:37:12,230 --> 00:37:11,040

this and they were sort of terrified and

937

00:37:13,829 --> 00:37:12,240

the whole thing was apparently ghosts

938

00:37:15,430 --> 00:37:13,839

that were playing it out uh it said

939

00:37:16,870 --> 00:37:15,440

their report is probably the only ghost

940

00:37:19,589 --> 00:37:16,880

story accepted in the documents of the

941

00:37:20,630 --> 00:37:19,599

public records of office as authentic um

942

00:37:21,589 --> 00:37:20,640

i don't know if this one's true i don't

943

00:37:24,310 --> 00:37:21,599

think we ever got to this one on the

944

00:37:26,470 --> 00:37:24,320

show yeah well that's page 180 and that

945

00:37:28,630 --> 00:37:26,480

that that's that falls squarely in the

946

00:37:29,990 --> 00:37:28,640

hearsay category doesn't it really yeah

947

00:37:31,829 --> 00:37:30,000

absolutely you know and i think this is

948

00:37:33,589 --> 00:37:31,839

kind of so many stories i think a lot of

949

00:37:35,510 --> 00:37:33,599

the stories that we didn't get to it was

950

00:37:37,270 --> 00:37:35,520

simply that we couldn't video there was

951
00:37:38,550 --> 00:37:37,280
there wasn't enough in there to figure

952
00:37:39,430 --> 00:37:38,560
out whether it was true or not but then

953
00:37:41,349 --> 00:37:39,440
you got other stuff like you know the

954
00:37:43,589 --> 00:37:41,359
story of tycho brahe and how he had a

955
00:37:45,349 --> 00:37:43,599
golden nose and it's kind of in real

956
00:37:47,109 --> 00:37:45,359
life yeah i don't think

957
00:37:48,790 --> 00:37:47,119
because he did a lot of charlie is that

958
00:37:50,230 --> 00:37:48,800
the reason why yeah i don't know i can't

959
00:37:51,589 --> 00:37:50,240
remember why he lost his military he'd

960
00:37:53,030 --> 00:37:51,599
never keep money in the bank account

961
00:37:54,710 --> 00:37:53,040
yeah that was it he lost his nose in a

962
00:37:56,150 --> 00:37:54,720
jewel it was sliced off by a slasher an

963
00:37:57,589 --> 00:37:56,160

opponent sword this is what the story

964

00:37:59,670 --> 00:37:57,599

was and he also says he was usually

965

00:38:01,829 --> 00:37:59,680

withdrawing 200 bucks from the atm late

966

00:38:03,349 --> 00:38:01,839

at night on a friday on saturday and

967

00:38:05,190 --> 00:38:03,359

that's why he was known for the golden

968

00:38:06,550 --> 00:38:05,200

nose yeah yeah exactly but it turns out

969

00:38:09,030 --> 00:38:06,560

you know this was a real story taika

970

00:38:10,390 --> 00:38:09,040

opera he's a really famous uh astronomer

971

00:38:11,910 --> 00:38:10,400

i believe his null wasn't his nose

972

00:38:13,990 --> 00:38:11,920

wasn't gold i think it was like a copper

973

00:38:15,990 --> 00:38:14,000

mix um one of the theories about how he

974

00:38:17,430 --> 00:38:16,000

died was that it was poisoning a metal

975

00:38:19,190 --> 00:38:17,440

pot heavy metal poisoning from the nose

976

00:38:21,030 --> 00:38:19,200

because apparently he was at um he sat

977

00:38:22,550 --> 00:38:21,040

at dinner and apparently he was too

978

00:38:24,950 --> 00:38:22,560

polite to get up to go to the bathroom

979

00:38:26,790 --> 00:38:24,960

and he died when uh that kind of killed

980

00:38:28,550 --> 00:38:26,800

him i know that he he sat there for far

981

00:38:30,550 --> 00:38:28,560

too long and didn't excrete when he

982

00:38:32,310 --> 00:38:30,560

should have done and that killed him a

983

00:38:33,510 --> 00:38:32,320

guy with a really obvious golden nose

984

00:38:35,190 --> 00:38:33,520

not wanting to go up and have a slash

985

00:38:36,470 --> 00:38:35,200

that's that's very odd behavior well he

986

00:38:37,910 --> 00:38:36,480

wouldn't want to stand out i suppose you

987

00:38:39,990 --> 00:38:37,920

know you wouldn't want to stand out to

988

00:38:41,349 --> 00:38:40,000

anyone with the golden nose so is this

989

00:38:43,349 --> 00:38:41,359

book being completely exhausted on

990

00:38:44,950 --> 00:38:43,359

skeptics with a k i think so you know i

991

00:38:46,950 --> 00:38:44,960

think so it's it's a real shim because

992

00:38:48,230 --> 00:38:46,960

it was a fun fun segment but uh i heard

993

00:38:50,710 --> 00:38:48,240

rumors there was a follow-up book you

994

00:38:52,630 --> 00:38:50,720

guys got yeah there was another giant

995

00:38:53,910 --> 00:38:52,640

book a fantastic fact it wasn't just the

996

00:38:55,349 --> 00:38:53,920

same one with a different cover was it

997

00:38:57,750 --> 00:38:55,359

no no it wasn't it was it was the next

998

00:38:59,109 --> 00:38:57,760

version but it was all true it was

999

00:39:00,470 --> 00:38:59,119

really disappointing there was no there

1000

00:39:01,670 --> 00:39:00,480

was no nonsense in there so they might

1001
00:39:03,270 --> 00:39:01,680
have got a fact checker for the second

1002
00:39:04,470 --> 00:39:03,280
one well apparently it was written by

1003
00:39:07,030 --> 00:39:04,480
there's like three or four guys who

1004
00:39:08,790 --> 00:39:07,040
wrote the original and one of them left

1005
00:39:10,390 --> 00:39:08,800
so the the follow-up didn't have one of

1006
00:39:11,990 --> 00:39:10,400
those guys in there

1007
00:39:13,190 --> 00:39:12,000
obviously i'm making up the [h__\h] yeah we

1008
00:39:14,790 --> 00:39:13,200
assuming that he was just the guy who

1009
00:39:15,670 --> 00:39:14,800
was just the [h__\h] merchant just i

1010
00:39:17,750 --> 00:39:15,680
don't know whether he was doing it on

1011
00:39:18,950 --> 00:39:17,760
purpose about drunk well i like the idea

1012
00:39:20,150 --> 00:39:18,960
that he was like god you'll never guess

1013
00:39:21,190 --> 00:39:20,160

what i've got them to believe this time

1014

00:39:23,190 --> 00:39:21,200

you know i've never guessed i managed to

1015

00:39:24,550 --> 00:39:23,200

slide into the book yeah but wow look

1016

00:39:26,069 --> 00:39:24,560

i'm going to take a photo with you so

1017

00:39:27,670 --> 00:39:26,079

people know this book is in the country

1018

00:39:29,030 --> 00:39:27,680

even just for a limited time any trouble

1019

00:39:30,630 --> 00:39:29,040

getting to sue customs at all they said

1020

00:39:32,069 --> 00:39:30,640

oh excuse me so you're carrying too much

1021

00:39:33,270 --> 00:39:32,079

[h__h] with you well they did think it

1022

00:39:35,349 --> 00:39:33,280

was contraband because obviously any

1023

00:39:37,109 --> 00:39:35,359

kind of biological material is banned

1024

00:39:38,470 --> 00:39:37,119

coming into australia this constitutes

1025

00:39:40,069 --> 00:39:38,480

[h__h] i think so i think it had

1026

00:39:41,430 --> 00:39:40,079

enough elements of bull left in it that

1027

00:39:43,910 --> 00:39:41,440

it set off the scanners oh of course

1028

00:39:45,990 --> 00:39:43,920

it's actually uh it's a legal uh

1029

00:39:47,589 --> 00:39:46,000

obligation of myself uh to ask what do

1030

00:39:49,190 --> 00:39:47,599

you think of australia so far we always

1031

00:39:50,710 --> 00:39:49,200

have to ask people that you know i'm

1032

00:39:52,230 --> 00:39:50,720

really enjoying it not that i i thought

1033

00:39:53,990 --> 00:39:52,240

i wouldn't but yeah i mean sydney's a

1034

00:39:55,750 --> 00:39:54,000

fantastic city and i've said you were

1035

00:39:57,750 --> 00:39:55,760

complaining you couldn't get pints last

1036

00:39:59,349 --> 00:39:57,760

night at the bar i managed to convince

1037

00:40:00,630 --> 00:39:59,359

someone to give me a pint but every time

1038

00:40:01,910 --> 00:40:00,640

i asked he was giving me a schooner and

1039

00:40:03,430 --> 00:40:01,920

i don't like this kind of schooner creep

1040

00:40:04,870 --> 00:40:03,440

that were because it's happening in the

1041

00:40:06,470 --> 00:40:04,880

uk this kind of creep towards using

1042

00:40:08,150 --> 00:40:06,480

schooners i don't trust that i think

1043

00:40:09,510 --> 00:40:08,160

it's just a way for trendy bars to sell

1044

00:40:11,109 --> 00:40:09,520

you less than a pint for more than a

1045

00:40:12,310 --> 00:40:11,119

pint would cause yeah how much less than

1046

00:40:13,510 --> 00:40:12,320

a pint is it i think it's about

1047

00:40:15,750 --> 00:40:13,520

two-thirds

1048

00:40:16,950 --> 00:40:15,760

that's significant really yeah but uh no

1049

00:40:18,230 --> 00:40:16,960

i'm really enjoying it and what about

1050

00:40:19,510 --> 00:40:18,240

our beer here of course that everyone

1051
00:40:21,589 --> 00:40:19,520
makes a big deal about our beer being

1052
00:40:22,710 --> 00:40:21,599
cold and our beer being very different

1053
00:40:24,630 --> 00:40:22,720
to english beer because your favorite

1054
00:40:25,990 --> 00:40:24,640
beer is what uh you know i don't know

1055
00:40:27,349 --> 00:40:26,000
i'll drink pretty much anything this is

1056
00:40:28,790 --> 00:40:27,359
a terrible thing any kind of beers i

1057
00:40:30,630 --> 00:40:28,800
know that i think i'll drink i like a

1058
00:40:32,630 --> 00:40:30,640
guinness uh i started drinking that when

1059
00:40:33,750 --> 00:40:32,640
i was a kid when i was like 17 18 just

1060
00:40:35,270 --> 00:40:33,760
to try and put some weight on because i

1061
00:40:36,870 --> 00:40:35,280
was incredibly thin at the time but

1062
00:40:39,030 --> 00:40:36,880
you're still pretty thin it's a solid

1063
00:40:40,470 --> 00:40:39,040

drink yeah no it's good i'm unfortunate

1064

00:40:42,230 --> 00:40:40,480

i'm going to dublin to speak for the

1065

00:40:43,750 --> 00:40:42,240

irish skeptics in february next year so

1066

00:40:45,109 --> 00:40:43,760

i'll be definitely sampling plenty of

1067

00:40:46,870 --> 00:40:45,119

goodness there but i've enjoyed the

1068

00:40:48,790 --> 00:40:46,880

aussie beer and you know the company's

1069

00:40:50,069 --> 00:40:48,800

great i think i've long said that uh the

1070

00:40:51,829 --> 00:40:50,079

aussie skeptics are probably my favorite

1071

00:40:53,990 --> 00:40:51,839

group in the world because i think we've

1072

00:40:55,589 --> 00:40:54,000

got a there it's like a kindred group to

1073

00:40:56,710 --> 00:40:55,599

what we do with merseyside and with qed

1074

00:40:57,990 --> 00:40:56,720

the conference that i run because we've

1075

00:40:59,910 --> 00:40:58,000

all got the same kind of spirit of kind

1076

00:41:01,430 --> 00:40:59,920

of let's all just muck in we're all in

1077

00:41:03,430 --> 00:41:01,440

this together you know we're we're all

1078

00:41:04,630 --> 00:41:03,440

sharing this value system this idea of

1079

00:41:06,069 --> 00:41:04,640

kind of challenging stuff and

1080

00:41:08,309 --> 00:41:06,079

questioning stuff looking for evidence

1081

00:41:10,470 --> 00:41:08,319

and trying to help people outside of uh

1082

00:41:12,309 --> 00:41:10,480

outside of that kind of community so

1083

00:41:14,309 --> 00:41:12,319

yeah the aussie skeptics i love look uh

1084

00:41:15,910 --> 00:41:14,319

the the critics that i meet locally

1085

00:41:17,670 --> 00:41:15,920

complain oh you guys just go after the

1086

00:41:19,190 --> 00:41:17,680

low-hanging fruit like homeopathy and

1087

00:41:21,990 --> 00:41:19,200

psychics why don't you go after the big

1088

00:41:24,390 --> 00:41:22,000

ones like the catholic church islam

1089

00:41:25,829 --> 00:41:24,400

scientology what do you say to that yeah

1090

00:41:27,190 --> 00:41:25,839

i mean this comes up when i do uh when i

1091

00:41:28,390 --> 00:41:27,200

do lectures on this kind of stuff and

1092

00:41:31,349 --> 00:41:28,400

there's a couple of things first of all

1093

00:41:33,349 --> 00:41:31,359

i was saying that i can stop a chunky

1094

00:41:34,870 --> 00:41:33,359

sports bracelet company selling dodgy

1095

00:41:36,390 --> 00:41:34,880

bracelets i can't bring down the

1096

00:41:37,829 --> 00:41:36,400

catholic church i think it's very i mean

1097

00:41:39,030 --> 00:41:37,839

i've got a lot of faith in my ability

1098

00:41:40,950 --> 00:41:39,040

but not that much

1099

00:41:42,309 --> 00:41:40,960

even henry viii had to go yeah exactly

1100

00:41:44,150 --> 00:41:42,319

yeah look where that look what happened

1101
00:41:45,829 --> 00:41:44,160
there well um and i think the other side

1102
00:41:46,870 --> 00:41:45,839
of it is there's a lot of people who

1103
00:41:48,470 --> 00:41:46,880
won't believe in hormones they would

1104
00:41:49,589 --> 00:41:48,480
have heard of it before so you can first

1105
00:41:51,030 --> 00:41:49,599
of all tell them what it is and that

1106
00:41:53,030 --> 00:41:51,040
will sort of uh that will protect them

1107
00:41:54,630 --> 00:41:53,040
against falling for it but also

1108
00:41:55,670 --> 00:41:54,640
and i like a lot of people thought it

1109
00:41:56,790 --> 00:41:55,680
was something to do with herbal

1110
00:41:58,630 --> 00:41:56,800
preparations i thought there was

1111
00:41:59,910 --> 00:41:58,640
actually an active ingredient yeah loads

1112
00:42:00,790 --> 00:41:59,920
of people are really surprised when you

1113
00:42:02,069 --> 00:42:00,800

tell them that there's nothing in

1114

00:42:03,190 --> 00:42:02,079

homeopathy it's just sugar it's just

1115

00:42:04,150 --> 00:42:03,200

water there's nothing like people can't

1116

00:42:05,990 --> 00:42:04,160

believe that that's true they can't

1117

00:42:07,670 --> 00:42:06,000

believe then that your pharmacies will

1118

00:42:09,270 --> 00:42:07,680

sell it like it's real medicine so i

1119

00:42:10,309 --> 00:42:09,280

think you protect them against ideas

1120

00:42:11,510 --> 00:42:10,319

that they hadn't heard of so that

1121

00:42:12,630 --> 00:42:11,520

they're not gonna fall for it the next

1122

00:42:14,150 --> 00:42:12,640

time they hear it or the first time they

1123

00:42:16,390 --> 00:42:14,160

hear it but also i think you can

1124

00:42:18,309 --> 00:42:16,400

demonstrate the flaws in beliefs by

1125

00:42:20,470 --> 00:42:18,319

using these obvious examples so if you

1126
00:42:21,910 --> 00:42:20,480
are on people with the idea of how to

1127
00:42:22,790 --> 00:42:21,920
you know spot cold reading when it's

1128
00:42:24,069 --> 00:42:22,800
been done so you can tell whether

1129
00:42:25,349 --> 00:42:24,079
someone's actually talking the dead or

1130
00:42:27,349 --> 00:42:25,359
just kind of picking details out that

1131
00:42:29,829 --> 00:42:27,359
you're making fit and the the

1132
00:42:31,270 --> 00:42:29,839
methodology in challenging psychics is

1133
00:42:33,349 --> 00:42:31,280
the same methodology and challenging

1134
00:42:34,710 --> 00:42:33,359
scientology in challenging you know the

1135
00:42:36,309 --> 00:42:34,720
way that the media presents stuff and

1136
00:42:37,750 --> 00:42:36,319
challenging the way that economic

1137
00:42:38,790 --> 00:42:37,760
systems might be structured and people

1138
00:42:40,150 --> 00:42:38,800

you know complain to me that you don't

1139

00:42:42,390 --> 00:42:40,160

have a look at economy and things like

1140

00:42:44,550 --> 00:42:42,400

that it's like well you can bring people

1141

00:42:46,150 --> 00:42:44,560

to the method and demonstrate that

1142

00:42:48,069 --> 00:42:46,160

method and then where people take that

1143

00:42:49,430 --> 00:42:48,079

method you'll go on and do it and when

1144

00:42:50,630 --> 00:42:49,440

people say to me you know why aren't you

1145

00:42:52,630 --> 00:42:50,640

spending all your time looking at this

1146

00:42:54,550 --> 00:42:52,640

this and this i always say i agree that

1147

00:42:55,910 --> 00:42:54,560

those are worthwhile places to look more

1148

00:42:57,589 --> 00:42:55,920

power to you you know you clearly care

1149

00:42:58,710 --> 00:42:57,599

about those issues a lot off your goal

1150

00:43:00,630 --> 00:42:58,720

you know it's the same it's the same

1151
00:43:01,829 --> 00:43:00,640
tool set i i think what i'd like to try

1152
00:43:03,589 --> 00:43:01,839
and do with the talks that i gave is to

1153
00:43:04,790 --> 00:43:03,599
demonstrate to people that it doesn't

1154
00:43:06,790 --> 00:43:04,800
take

1155
00:43:08,390 --> 00:43:06,800
lists of phds behind you to be able to

1156
00:43:10,309 --> 00:43:08,400
challenge this stuff it just takes an

1157
00:43:12,069 --> 00:43:10,319
awareness of the basic structure and a

1158
00:43:14,390 --> 00:43:12,079
willingness to to be out there to be

1159
00:43:15,910 --> 00:43:14,400
active to be kind of energetic and uh

1160
00:43:17,910 --> 00:43:15,920
enthusiastic and i think you can get a

1161
00:43:20,390 --> 00:43:17,920
long way on that bit of a controversial

1162
00:43:22,470 --> 00:43:20,400
question here has the uk skeptical scene

1163
00:43:23,589 --> 00:43:22,480

matured as it has in the u.s and there's

1164

00:43:25,430 --> 00:43:23,599

been a bit of splintering of the

1165

00:43:27,109 --> 00:43:25,440

movement and people going oh that person

1166

00:43:28,390 --> 00:43:27,119

isn't what i thought they were all the

1167

00:43:30,069 --> 00:43:28,400

whole movement's crap has there been

1168

00:43:31,589 --> 00:43:30,079

anything like that going on um you know

1169

00:43:33,109 --> 00:43:31,599

i don't think that has i don't think

1170

00:43:35,349 --> 00:43:33,119

that has in the uk and i think part of

1171

00:43:37,589 --> 00:43:35,359

that reason is because we didn't spring

1172

00:43:39,030 --> 00:43:37,599

up the way that uh the american movement

1173

00:43:40,790 --> 00:43:39,040

sort of did and the american move is

1174

00:43:42,150 --> 00:43:40,800

kind of the father of all of the

1175

00:43:44,309 --> 00:43:42,160

different movements around the world but

1176
00:43:45,910 --> 00:43:44,319
those started really where there was a

1177
00:43:47,430 --> 00:43:45,920
charismatic incredibly talented

1178
00:43:49,670 --> 00:43:47,440
individual like you james randy kind of

1179
00:43:50,950 --> 00:43:49,680
figure who started a group and it was

1180
00:43:53,190 --> 00:43:50,960
kind of set up that way is that this is

1181
00:43:55,109 --> 00:43:53,200
a personal crusade almost and it was it

1182
00:43:56,950 --> 00:43:55,119
was phenomenally successful for that but

1183
00:43:58,150 --> 00:43:56,960
i think necessarily that's a kind of a

1184
00:43:59,190 --> 00:43:58,160
top-down structure is that you have

1185
00:44:00,390 --> 00:43:59,200
someone at the top and the moment you

1186
00:44:01,990 --> 00:44:00,400
have someone on the top still on a

1187
00:44:03,190 --> 00:44:02,000
pedestal and you have a couple of those

1188
00:44:04,630 --> 00:44:03,200

people one is going to get knocked off

1189

00:44:05,829 --> 00:44:04,640

because they're just people yeah people

1190

00:44:07,109 --> 00:44:05,839

are people people are flawed you know

1191

00:44:09,270 --> 00:44:07,119

and it's very

1192

00:44:11,030 --> 00:44:09,280

it's very disconcerting when i see uh

1193

00:44:12,390 --> 00:44:11,040

our community which kind of prides

1194

00:44:14,390 --> 00:44:12,400

itself on its ability to kind of

1195

00:44:16,230 --> 00:44:14,400

challenge authority and challenge these

1196

00:44:17,670 --> 00:44:16,240

challenge monolithic figures then having

1197

00:44:18,710 --> 00:44:17,680

a monolithic figure

1198

00:44:20,069 --> 00:44:18,720

of their own i think that's always

1199

00:44:21,829 --> 00:44:20,079

something we should try and avoid but

1200

00:44:23,270 --> 00:44:21,839

luckily in the uk i think we sprung up

1201

00:44:25,030 --> 00:44:23,280

organically you know you can start a

1202

00:44:26,390 --> 00:44:25,040

skeptical group in the uk and it's not

1203

00:44:28,230 --> 00:44:26,400

that you have to kind of ask someone for

1204

00:44:29,510 --> 00:44:28,240

permission and license their name and go

1205

00:44:31,349 --> 00:44:29,520

you just start one if you want a

1206

00:44:32,870 --> 00:44:31,359

skeptics in your pub start one and see

1207

00:44:34,309 --> 00:44:32,880

who comes and tell people about it and

1208

00:44:35,430 --> 00:44:34,319

ask people who've got other groups what

1209

00:44:37,430 --> 00:44:35,440

works for them and i think that's kind

1210

00:44:38,230 --> 00:44:37,440

of what's worked with the uk scene is

1211

00:44:39,829 --> 00:44:38,240

that

1212

00:44:41,030 --> 00:44:39,839

we don't have these big monolithic

1213

00:44:42,630 --> 00:44:41,040

figures really who are really involved

1214

00:44:43,990 --> 00:44:42,640

in skepticism we've got people like

1215

00:44:45,510 --> 00:44:44,000

richard dawkins but i don't think he's

1216

00:44:47,589 --> 00:44:45,520

really involved in skepticism i wouldn't

1217

00:44:48,790 --> 00:44:47,599

call him a skeptical and how much how

1218

00:44:50,230 --> 00:44:48,800

much of the time do you think some of

1219

00:44:51,589 --> 00:44:50,240

the stuff he says he's just stirring the

1220

00:44:53,190 --> 00:44:51,599

pot do you think he's a guy who just

1221

00:44:54,390 --> 00:44:53,200

likes to stir the pot sometimes just for

1222

00:44:55,829 --> 00:44:54,400

the sake of it

1223

00:44:57,190 --> 00:44:55,839

you know i always try and avoid

1224

00:44:58,470 --> 00:44:57,200

speculating over what people think

1225

00:45:00,950 --> 00:44:58,480

whether they're people on our side or

1226

00:45:03,510 --> 00:45:00,960

people on on the the side of psychics

1227

00:45:05,030 --> 00:45:03,520

things like that um yeah it's what

1228

00:45:06,870 --> 00:45:05,040

people kind of forget very easily is

1229

00:45:08,790 --> 00:45:06,880

that everybody is just human they might

1230

00:45:10,870 --> 00:45:08,800

have great ideas in one area they might

1231

00:45:13,030 --> 00:45:10,880

be completely flawed in another and i

1232

00:45:14,630 --> 00:45:13,040

think for us to uh assume that because

1233

00:45:16,309 --> 00:45:14,640

someone is is great writing about

1234

00:45:18,150 --> 00:45:16,319

atheism or great writing about you know

1235

00:45:19,589 --> 00:45:18,160

evolution and genetics things like that

1236

00:45:21,270 --> 00:45:19,599

that they're perfect at everything i

1237

00:45:22,870 --> 00:45:21,280

think that all that does is set us up

1238

00:45:24,630 --> 00:45:22,880

for a fall and the funny thing is when

1239

00:45:26,150 --> 00:45:24,640

you see the uh

1240

00:45:27,430 --> 00:45:26,160

i always try and avoid seeing believers

1241

00:45:28,710 --> 00:45:27,440

because i don't like this kind of

1242

00:45:31,430 --> 00:45:28,720

feminist mentality this kind of

1243

00:45:32,470 --> 00:45:31,440

intellectual apartheid is like

1244

00:45:34,710 --> 00:45:32,480

that's a good thing to set up too

1245

00:45:36,390 --> 00:45:34,720

because as soon as you do that you're

1246

00:45:38,150 --> 00:45:36,400

building a wall yeah and i want that to

1247

00:45:39,829 --> 00:45:38,160

be as few walls as possible so i think

1248

00:45:41,349 --> 00:45:39,839

i much rather would look for where we

1249

00:45:43,349 --> 00:45:41,359

have uh lines of common ground with

1250

00:45:44,870 --> 00:45:43,359

people who who subscribe to beliefs that

1251

00:45:47,270 --> 00:45:44,880

we don't to try and say well you don't

1252

00:45:48,550 --> 00:45:47,280

believe in bigfoot well why not let's

1253

00:45:50,550 --> 00:45:48,560

let's explore why we don't believe in

1254

00:45:51,910 --> 00:45:50,560

bigfoot and maybe we can look at that

1255

00:45:53,990 --> 00:45:51,920

this is one of the other podcasts that

1256

00:45:56,069 --> 00:45:54,000

the merseyside do don't you it's uh it's

1257

00:45:57,910 --> 00:45:56,079

inc incredulous is that it no i'm sorry

1258

00:45:59,670 --> 00:45:57,920

completely incredulous is like a very

1259

00:46:00,470 --> 00:45:59,680

bold comedy show but not be reasonable

1260

00:46:02,390 --> 00:46:00,480

is

1261

00:46:04,390 --> 00:46:02,400

a show that i i do a monthly show where

1262

00:46:06,790 --> 00:46:04,400

i find someone who believes in something

1263

00:46:08,230 --> 00:46:06,800

that i don't uh and we just try and

1264

00:46:10,230 --> 00:46:08,240

explore the boundaries of their belief

1265

00:46:12,390 --> 00:46:10,240

and because we're doing it i'm a big i'm

1266

00:46:13,750 --> 00:46:12,400

a big proponent of the idea that to to

1267

00:46:15,030 --> 00:46:13,760

have someone to question someone about

1268

00:46:16,150 --> 00:46:15,040

their belief you can't do it by saying

1269

00:46:17,109 --> 00:46:16,160

you're an idiot why do you believe this

1270

00:46:18,550 --> 00:46:17,119

you're gullible what about this what

1271

00:46:19,910 --> 00:46:18,560

about this be aggressive because the

1272

00:46:21,349 --> 00:46:19,920

moment you're aggressive to someone

1273

00:46:23,670 --> 00:46:21,359

their defenses go up and they just go

1274

00:46:25,190 --> 00:46:23,680

through the down pat uh defensive

1275

00:46:26,550 --> 00:46:25,200

statements that they've been using every

1276

00:46:28,309 --> 00:46:26,560

time anyone's ever questioned them but

1277

00:46:29,349 --> 00:46:28,319

if you say to them i'm really interested

1278

00:46:30,870 --> 00:46:29,359

in what you believe could you tell me

1279

00:46:32,390 --> 00:46:30,880

about it people love talking about what

1280

00:46:34,230 --> 00:46:32,400

they believe they love telling people

1281

00:46:36,390 --> 00:46:34,240

about their belief systems and why they

1282

00:46:38,309 --> 00:46:36,400

really believe it and you can then ask

1283

00:46:39,589 --> 00:46:38,319

gentle penetrative questions but you're

1284

00:46:41,589 --> 00:46:39,599

doing it in a very polite very

1285

00:46:43,349 --> 00:46:41,599

respectful way and instead of being

1286

00:46:44,470 --> 00:46:43,359

stopped at the gates you get into the

1287

00:46:45,750 --> 00:46:44,480

middle of the miz and you can walk

1288

00:46:47,589 --> 00:46:45,760

people around the maze of their own

1289

00:46:49,109 --> 00:46:47,599

beliefs and sometimes you'll take a turn

1290

00:46:50,550 --> 00:46:49,119

that they've never taken before and you

1291

00:46:51,750 --> 00:46:50,560

can get them to a point where they think

1292

00:46:53,349 --> 00:46:51,760

i've never thought that i've never

1293

00:46:55,030 --> 00:46:53,359

thought about that aspect before and

1294

00:46:56,390 --> 00:46:55,040

maybe those people you can kind of get

1295

00:46:57,670 --> 00:46:56,400

to question what they believe and now

1296

00:46:59,430 --> 00:46:57,680

what's that podcast we should look out

1297

00:47:00,790 --> 00:46:59,440

for that's be reasonable yeah and you

1298

00:47:02,470 --> 00:47:00,800

can find that on our website

1299

00:47:04,309 --> 00:47:02,480

merseysideskeptics.org

1300

00:47:05,750 --> 00:47:04,319

or it's on itunes or stitcher so yeah

1301
00:47:07,430 --> 00:47:05,760
look let's get on with the serious stuff

1302
00:47:08,390 --> 00:47:07,440
i've got issues with pedicabali as the

1303
00:47:09,990 --> 00:47:08,400
doctor

1304
00:47:11,109 --> 00:47:10,000
you know what yeah i'm the worst person

1305
00:47:12,309 --> 00:47:11,119
in the world to talk to about this i

1306
00:47:14,230 --> 00:47:12,319
have never seen an episode of doctor who

1307
00:47:15,589 --> 00:47:14,240
in my life oh never mind

1308
00:47:17,270 --> 00:47:15,599
is that because you just avoided it or

1309
00:47:18,470 --> 00:47:17,280
just don't you just don't care for it

1310
00:47:19,829 --> 00:47:18,480
well i think i'm a freak in the

1311
00:47:21,829 --> 00:47:19,839
skeptical community for a couple of

1312
00:47:24,069 --> 00:47:21,839
reasons one i don't really get on board

1313
00:47:26,470 --> 00:47:24,079

with sci-fi too much i'm not a sci-fi

1314

00:47:27,910 --> 00:47:26,480

fan at all uh sci-fi fantasy doesn't do

1315

00:47:29,750 --> 00:47:27,920

an awful lot for me i love i love

1316

00:47:31,190 --> 00:47:29,760

literature i love you know exploring

1317

00:47:32,390 --> 00:47:31,200

ideas but it's just i've never been

1318

00:47:33,589 --> 00:47:32,400

grabbed by someone who'd rather watch

1319

00:47:35,430 --> 00:47:33,599

the bills

1320

00:47:37,109 --> 00:47:35,440

yeah exactly

1321

00:47:38,870 --> 00:47:37,119

but then as well the other reason i'm

1322

00:47:41,270 --> 00:47:38,880

freaking this but the bill is internally

1323

00:47:42,710 --> 00:47:41,280

consistent exactly you know and i don't

1324

00:47:44,470 --> 00:47:42,720

mind something that sets up the rules at

1325

00:47:46,630 --> 00:47:44,480

the start and then never breaks those

1326
00:47:48,069 --> 00:47:46,640
rules so when you when you see something

1327
00:47:49,990 --> 00:47:48,079
the first series of like heroes or

1328
00:47:51,910 --> 00:47:50,000
something whereas like right 10 minutes

1329
00:47:53,109 --> 00:47:51,920
in there are people with magical powers

1330
00:47:54,390 --> 00:47:53,119
from there we're done we're not going to

1331
00:47:55,990 --> 00:47:54,400
introduce anything else weird we're not

1332
00:47:57,589 --> 00:47:56,000
going to start bending timer

1333
00:47:58,710 --> 00:47:57,599
well we are but someone can do that very

1334
00:47:59,990 --> 00:47:58,720
early on i'm fine with stuff that's

1335
00:48:01,589 --> 00:48:00,000
internally consistent that way it's when

1336
00:48:02,710 --> 00:48:01,599
you can then just pluck something and

1337
00:48:04,630 --> 00:48:02,720
say well this episode we're going to

1338
00:48:05,910 --> 00:48:04,640

talk about this over here which which we

1339

00:48:07,750 --> 00:48:05,920

never introduced before it didn't exist

1340

00:48:09,670 --> 00:48:07,760

before but now it's kind of part yeah it

1341

00:48:10,710 --> 00:48:09,680

kind of kind of loses me a little bit

1342

00:48:12,069 --> 00:48:10,720

but i think the other reason i'm a freak

1343

00:48:14,710 --> 00:48:12,079

in the skeptical community and this this

1344

00:48:17,510 --> 00:48:14,720

is going to be shocking i think

1345

00:48:18,950 --> 00:48:17,520

i'm not that bothered about science

1346

00:48:20,390 --> 00:48:18,960

i think it's incredibly

1347

00:48:22,230 --> 00:48:20,400

vital in our community

1348

00:48:24,309 --> 00:48:22,240

in the world i think it has hugely

1349

00:48:26,710 --> 00:48:24,319

beneficial aspects and the people who

1350

00:48:29,270 --> 00:48:26,720

are you know doing that work all power

1351

00:48:30,549 --> 00:48:29,280

to them i i i i'm incredibly

1352

00:48:31,430 --> 00:48:30,559

appreciative of the fact that people are

1353

00:48:33,109 --> 00:48:31,440

out there making these great

1354

00:48:35,030 --> 00:48:33,119

advancements but i'm not in skepticism

1355

00:48:36,630 --> 00:48:35,040

for pushing the boundaries i'm in

1356

00:48:37,910 --> 00:48:36,640

skepticism for defending the territories

1357

00:48:39,829 --> 00:48:37,920

you know the stuff that we already know

1358

00:48:41,589 --> 00:48:39,839

is true where is that eroding from

1359

00:48:43,349 --> 00:48:41,599

people who uh are holding it i mean

1360

00:48:44,630 --> 00:48:43,359

skepticism for the weird beliefs i love

1361

00:48:46,950 --> 00:48:44,640

having a conversation with someone i

1362

00:48:48,549 --> 00:48:46,960

totally disagree with about something

1363

00:48:49,750 --> 00:48:48,559

it's fascinating i i cop that a lot

1364

00:48:51,910 --> 00:48:49,760

because i'll sit down talk to people

1365

00:48:53,349 --> 00:48:51,920

about that and most skeptics go but how

1366

00:48:54,950 --> 00:48:53,359

could you possibly talk to that person

1367

00:48:57,109 --> 00:48:54,960

about that without interjecting and

1368

00:48:59,109 --> 00:48:57,119

arguing with them it can be done can't

1369

00:49:00,790 --> 00:48:59,119

it yeah and i think you know

1370

00:49:02,230 --> 00:49:00,800

if i look if i want a conversation where

1371

00:49:03,109 --> 00:49:02,240

someone agrees with me i can fill a room

1372

00:49:04,870 --> 00:49:03,119

full of people with that i've got

1373

00:49:06,870 --> 00:49:04,880

friends for that you know but what i

1374

00:49:08,069 --> 00:49:06,880

want to do is to try and learn about the

1375

00:49:09,270 --> 00:49:08,079

boundaries of my own belief and the

1376

00:49:10,710 --> 00:49:09,280

boundaries of their belief and what

1377

00:49:11,990 --> 00:49:10,720

belief means and your why people

1378

00:49:13,510 --> 00:49:12,000

constructively so i want to talk to

1379

00:49:15,430 --> 00:49:13,520

someone who i completely disagree with

1380

00:49:17,030 --> 00:49:15,440

and there's a court that i always kind

1381

00:49:18,710 --> 00:49:17,040

of think about in those situations which

1382

00:49:20,230 --> 00:49:18,720

is from william blake and the marriage

1383

00:49:22,309 --> 00:49:20,240

of heaven and hell fantastic book from

1384

00:49:23,829 --> 00:49:22,319

like 15 16th century something like that

1385

00:49:26,549 --> 00:49:23,839

where he says without opposition there's

1386

00:49:27,589 --> 00:49:26,559

no progression so without sort of

1387

00:49:28,630 --> 00:49:27,599

finding ways to challenge what you're

1388

00:49:29,750 --> 00:49:28,640

thinking you're never going to push

1389

00:49:31,270 --> 00:49:29,760

forward and i think that's what i really

1390

00:49:33,190 --> 00:49:31,280

want to look at is kind of where's

1391

00:49:34,470 --> 00:49:33,200

where's the opposite of what i think and

1392

00:49:36,950 --> 00:49:34,480

what can i learn about why people

1393

00:49:38,069 --> 00:49:36,960

believe that and then how that arms me

1394

00:49:40,630 --> 00:49:38,079

for being better at challenging that

1395

00:49:42,230 --> 00:49:40,640

when i find it elsewhere but also it

1396

00:49:43,589 --> 00:49:42,240

just gives me that question of well am i

1397

00:49:45,270 --> 00:49:43,599

right you know this person's got a

1398

00:49:46,390 --> 00:49:45,280

totally different perspective i'm not

1399

00:49:47,670 --> 00:49:46,400

going to challenge whether i think i'm

1400

00:49:48,790 --> 00:49:47,680

right or whereas if i'm just talking to

1401
00:49:50,390 --> 00:49:48,800
someone who agrees with me they're going

1402
00:49:51,910 --> 00:49:50,400
to tell me all the things that i already

1403
00:49:53,910 --> 00:49:51,920
know that we're just going to walk down

1404
00:49:55,109 --> 00:49:53,920
the the logical pathways that i've

1405
00:49:57,109 --> 00:49:55,119
walked down a million times in my own

1406
00:49:58,230 --> 00:49:57,119
head and i'm just going to cement that

1407
00:49:59,589 --> 00:49:58,240
path but we're not going to start

1408
00:50:01,349 --> 00:49:59,599
exploring the undergrowth and i think

1409
00:50:02,630 --> 00:50:01,359
that's what i really want to do wow okay

1410
00:50:03,750 --> 00:50:02,640
look thank you very much for your time a

1411
00:50:04,950 --> 00:50:03,760
bit disappointing i haven't got my

1412
00:50:06,790 --> 00:50:04,960
answer on doctor who there but that's

1413
00:50:08,549 --> 00:50:06,800

okay but i have i've worn a doctor who

1414

00:50:10,710 --> 00:50:08,559

prop you have you have and you know what

1415

00:50:11,990 --> 00:50:10,720

if you ever get to see mike in person

1416

00:50:13,910 --> 00:50:12,000

ask him that question he'll give you

1417

00:50:15,190 --> 00:50:13,920

half an hour of analyzing every single

1418

00:50:16,470 --> 00:50:15,200

doctor because mike is the doctor who

1419

00:50:17,910 --> 00:50:16,480

nerd mike is the one who can recite

1420

00:50:19,829 --> 00:50:17,920

whole episodes

1421

00:50:21,030 --> 00:50:19,839

line by line he's uh he's absolutely

1422

00:50:22,390 --> 00:50:21,040

obsessed by it yes you've asked the

1423

00:50:25,190 --> 00:50:22,400

wrong mic i think all right well next

1424

00:50:28,549 --> 00:50:25,200

time i'm having a a a bill mega watch

1425

00:50:29,990 --> 00:50:28,559

i've got the 590s 95 dvd box set i'll

1426

00:50:31,109 --> 00:50:30,000

invite you over i'll be there i'll be

1427

00:50:33,030 --> 00:50:31,119

there in fact last night it was the

1428

00:50:34,309 --> 00:50:33,040

perfect antidote for uh the skeptics

1429

00:50:36,870 --> 00:50:34,319

opening last night i went home and i had

1430

00:50:39,349 --> 00:50:36,880

a bourbon and jfk conspiracy party at my

1431

00:50:40,630 --> 00:50:39,359

place on my own oh wow oh jfk conspiracy

1432

00:50:41,910 --> 00:50:40,640

i'd love to speak to someone who's a

1433

00:50:43,510 --> 00:50:41,920

conspiracist for jfk that's a

1434

00:50:45,430 --> 00:50:43,520

fascinating one oh look he didn't talk

1435

00:50:47,030 --> 00:50:45,440

to my mate jay cat so richard spoken to

1436

00:50:49,270 --> 00:50:47,040

him haven't you you had quite a

1437

00:50:51,670 --> 00:50:49,280

discussion about the partial palm print

1438

00:50:53,829 --> 00:50:51,680

on the rifle i believe i certainly did

1439

00:50:55,990 --> 00:50:53,839

but let's not go there yeah not good

1440

00:50:57,510 --> 00:50:56,000

okay and look get up there and give a

1441

00:50:58,630 --> 00:50:57,520

talk there and i'm standing ovation

1442

00:51:00,069 --> 00:50:58,640

you'll get one you'll get one and you'll

1443

00:51:01,589 --> 00:51:00,079

get free drinks later actually i'll have

1444

00:51:02,950 --> 00:51:01,599

a one man standing ovation at least i

1445

00:51:04,630 --> 00:51:02,960

can bank on me and outstanding that's

1446

00:51:06,630 --> 00:51:04,640

all i can all i care about and thank you

1447

00:51:25,430 --> 00:51:06,640

for bringing the big book of [h__h] to

1448

00:51:30,150 --> 00:51:27,829

is an award-winning weekly science show

1449

00:51:31,670 --> 00:51:30,160

in french hosted by a bunch of crazy

1450

00:51:34,150 --> 00:51:31,680

enthusiasts

1451
00:51:36,470 --> 00:51:34,160
we are convinced that the greatest ideas

1452
00:51:38,549 --> 00:51:36,480
in science are quite easy to grasp as

1453
00:51:41,109 --> 00:51:38,559
long as they are presented with passion

1454
00:51:43,589 --> 00:51:41,119
using a vocabulary common to all curious

1455
00:51:44,790 --> 00:51:43,599
minds whatever their academic background

1456
00:51:46,790 --> 00:51:44,800
if any

1457
00:51:48,230 --> 00:51:46,800
we don't understand french yet

1458
00:51:49,829 --> 00:51:48,240
it's never too late

1459
00:51:51,670 --> 00:51:49,839
all our stories have a written

1460
00:51:53,829 --> 00:51:51,680
transcript on the website and people

1461
00:51:56,470 --> 00:51:53,839
from all around the world are using our

1462
00:51:59,109 --> 00:51:56,480
content to learn malia's language

1463
00:52:01,710 --> 00:51:59,119

our topics range from zero to infinity

1464

00:52:03,589 --> 00:52:01,720

from evolution to artificial life from

1465

00:52:04,790 --> 00:52:03,599

electromagnetism to the science of

1466

00:52:07,349 --> 00:52:04,800

introverts

1467

00:52:10,950 --> 00:52:07,359

we just love mathematics science

1468

00:52:12,630 --> 00:52:10,960

critical thinking so do you want to join

1469

00:52:14,430 --> 00:52:12,640

you can subscribe to the podcast for

1470

00:52:17,190 --> 00:52:14,440

free from our website

1471

00:52:19,910 --> 00:52:17,200

podcastscience.fm that's in one word you

1472

00:52:22,230 --> 00:52:19,920

also find us on itunes and soundcloud

1473

00:52:43,190 --> 00:52:22,240

see you soon hopefully at the versa

1474

00:52:46,390 --> 00:52:45,030

thank you for listening to the skeptic

1475

00:52:47,910 --> 00:52:46,400

zone

1476

00:52:50,630 --> 00:52:47,920

i think i'm going to have a nice ice

1477

00:52:52,630 --> 00:52:50,640

drink after this show is finished and if

1478

00:52:54,230 --> 00:52:52,640

you enjoy listening to the skeptic zone

1479

00:52:56,150 --> 00:52:54,240

and you want to show your appreciation

1480

00:52:57,670 --> 00:52:56,160

the best way to do that is to become a

1481

00:52:59,589 --> 00:52:57,680

subscriber

1482

00:53:02,630 --> 00:52:59,599

less than a dollar a week via paypal at

1483

00:53:07,589 --> 00:53:04,950

or you can have the option there to

1484

00:53:08,950 --> 00:53:07,599

contribute more a week if you wish

1485

00:53:10,950 --> 00:53:08,960

uh and

1486

00:53:13,430 --> 00:53:10,960

your money uh

1487

00:53:15,349 --> 00:53:13,440

goes to to help make the show possible

1488

00:53:17,349 --> 00:53:15,359

and indeed i've just

1489

00:53:20,309 --> 00:53:17,359

purchased a lovely new zoom microphone

1490

00:53:22,069 --> 00:53:20,319

for our new reporter heidi robertson

1491

00:53:25,109 --> 00:53:22,079

so that's in the post on a way to do and

1492

00:53:28,150 --> 00:53:25,119

that's only because people like you

1493

00:53:29,829 --> 00:53:28,160

subscribe to the show via paypal and

1494

00:53:31,990 --> 00:53:29,839

that's the only reason i can afford to

1495

00:53:34,309 --> 00:53:32,000

do things like give my reporters lovely

1496

00:53:36,470 --> 00:53:34,319

new microphones so

1497

00:53:37,990 --> 00:53:36,480

the upcoming raw skeptic reports i'm

1498

00:53:40,069 --> 00:53:38,000

sure will sound

1499

00:53:42,230 --> 00:53:40,079

quite a bit better the content is

1500

00:53:44,069 --> 00:53:42,240

brilliant anyway but the audio quality

1501
00:53:46,230 --> 00:53:44,079
will now sound a little bit better

1502
00:53:47,589 --> 00:53:46,240
coming up on the skeptics on more of

1503
00:53:49,109 --> 00:53:47,599
maynard

1504
00:53:51,030 --> 00:53:49,119
reporting from the australian skeptics

1505
00:53:52,710 --> 00:53:51,040
national convention i'm hoping to catch

1506
00:53:55,109 --> 00:53:52,720
up with people like jeannie scott in the

1507
00:53:57,190 --> 00:53:55,119
bay area in san francisco bay area more

1508
00:53:58,230 --> 00:53:57,200
joe alabaster in the coming weeks more

1509
00:53:59,910 --> 00:53:58,240
heidi

1510
00:54:01,670 --> 00:53:59,920
lots more of everything

1511
00:54:03,910 --> 00:54:01,680
but until next week this is richard

1512
00:54:08,790 --> 00:54:03,920
saunders signing off from sydney

1513
00:54:11,990 --> 00:54:10,470

you've been listening to the skeptic

1514

00:54:16,870 --> 00:54:12,000

zone

1515

00:54:29,910 --> 00:54:19,589

for comments contacts and extra video

1516

00:54:33,030 --> 00:54:31,349

who would we have on the phone but none

1517

00:54:34,549 --> 00:54:33,040

other than carl cruz on this gig of

1518

00:54:35,990 --> 00:54:34,559

morning carl good morning it's the young

1519

00:54:37,750 --> 00:54:36,000

and lovely carl talking to the young and

1520

00:54:39,349 --> 00:54:37,760

lovely mayard hey go easy with the

1521

00:54:41,109 --> 00:54:39,359

compliments here carl look earlier this

1522

00:54:43,510 --> 00:54:41,119

week i've visited a friend of mine and

1523

00:54:44,950 --> 00:54:43,520

she is a dentist and she said try some

1524

00:54:46,549 --> 00:54:44,960

of this and like i don't like to mention

1525

00:54:48,230 --> 00:54:46,559

any names or anything and i was bringing

1526

00:54:49,829 --> 00:54:48,240

this like funny gas in a medical

1527

00:54:51,190 --> 00:54:49,839

cylinder and you know well i was having

1528

00:54:53,270 --> 00:54:51,200

too much fun and the bells were ring in

1529

00:54:55,589 --> 00:54:53,280

the head in no time this is a very fun

1530

00:54:58,549 --> 00:54:55,599

gas now would this be the well-known

1531

00:55:00,790 --> 00:54:58,559

nitrous oxide yeah it's um traditionally

1532

00:55:02,470 --> 00:55:00,800

beloved by dentists who have uh access

1533

00:55:03,750 --> 00:55:02,480

to it right now is it okay if i go over

1534

00:55:05,349 --> 00:55:03,760

to her place fairly often and breathe

1535

00:55:07,910 --> 00:55:05,359

this nitrous oxide am i gonna die or

1536

00:55:09,510 --> 00:55:07,920

what no your spine will collapse

1537

00:55:11,349 --> 00:55:09,520

right that's pretty well much the same

1538

00:55:12,230 --> 00:55:11,359

thing isn't it no what happens is that

1539

00:55:14,150 --> 00:55:12,240

um

1540

00:55:15,510 --> 00:55:14,160

after about 20 or 30 years of getting

1541

00:55:17,349 --> 00:55:15,520

stuck into the nitrous i used to think

1542

00:55:20,790 --> 00:55:17,359

that originally that nitrous was in fact

1543

00:55:22,710 --> 00:55:20,800

a perfectly benign harmless gas it came

1544

00:55:24,390 --> 00:55:22,720

into your system dissolved in the blood

1545

00:55:25,990 --> 00:55:24,400

dissolved out again immediately went out

1546

00:55:27,589 --> 00:55:26,000

through your lungs gone no side effects

1547

00:55:29,270 --> 00:55:27,599

no dissolving in fat they thought it was

1548

00:55:31,750 --> 00:55:29,280

a wonderful drug

1549

00:55:33,030 --> 00:55:31,760

and then they they finally came across a

1550

00:55:35,030 --> 00:55:33,040

few dentists who'd been taking this

1551
00:55:36,870 --> 00:55:35,040
stuff for 20 30 40 years every day after

1552
00:55:38,870 --> 00:55:36,880
dinner and they found that they had

1553
00:55:40,150 --> 00:55:38,880
collapsed vertebrae so all these

1554
00:55:41,670 --> 00:55:40,160
dentists were falling down on the floor

1555
00:55:43,270 --> 00:55:41,680
without notice and what's happened is

1556
00:55:44,790 --> 00:55:43,280
that the sides of the vertebrae which

1557
00:55:46,710 --> 00:55:44,800
are normally parallel to each other

1558
00:55:49,190 --> 00:55:46,720
collapse and they end up with a cut with

1559
00:55:50,870 --> 00:55:49,200
a wedge shaped vertebra and sometimes

1560
00:55:53,190 --> 00:55:50,880
they can just collapse totally this can

1561
00:55:55,430 --> 00:55:53,200
cause great pain uh if it collapses it

1562
00:55:57,510 --> 00:55:55,440
has to squeeze a few of the nerves uh

1563
00:55:58,789 --> 00:55:57,520

and it certainly leads to immobility of

1564

00:55:59,910 --> 00:55:58,799

the spine you know as flexible as it

1565

00:56:01,270 --> 00:55:59,920

used to be and as well as that you're

1566

00:56:02,630 --> 00:56:01,280

just sort of staring down at the ground

1567

00:56:04,470 --> 00:56:02,640

all the time this is sort of can be

1568

00:56:06,390 --> 00:56:04,480

self-induced by certain dentists so if

1569

00:56:07,510 --> 00:56:06,400

we see like a humpback dentist we go up

1570

00:56:10,309 --> 00:56:07,520

to him and say i know what you've been

1571

00:56:12,309 --> 00:56:10,319

up to no you should say if i suspect

1572

00:56:14,950 --> 00:56:12,319

what you've been doing you can't be sure

1573

00:56:16,390 --> 00:56:14,960

knowledge is not absolute apart from

1574

00:56:17,990 --> 00:56:16,400

religious knowledge

1575

00:56:19,589 --> 00:56:18,000

i should keep going seeing my dearest

1576

00:56:21,349 --> 00:56:19,599

friend and breathe as much nitrous oxide

1577

00:56:22,789 --> 00:56:21,359

as i like if you want to have your spine

1578

00:56:24,630 --> 00:56:22,799

collapse and you want to lose a few