

The Skeptic Zone
Show 332 - 1 March 2015

In Search of
LEONARD NIMOY



1
00:00:14,390 --> 00:00:10,660
a giant hairy creature part ape one man

2
00:00:16,730 --> 00:00:14,400
indians call him sasquatch they believe

3
00:00:20,179 --> 00:00:16,740
he is as gentle as he is powerful and

4
00:00:21,950 --> 00:00:20,189
mysterious he's been seen many times in

5
00:00:24,470 --> 00:00:21,960
the rugged mountains and deep woods of

6
00:00:27,620 --> 00:00:24,480
the Pacific Northwest the encounters

7
00:00:30,169 --> 00:00:27,630
have not always been peaceful if we

8
00:00:32,690 --> 00:00:30,179
assume that bigfoot is real and that men

9
00:00:35,000 --> 00:00:32,700
are closing in on this seemingly gentle

10
00:00:37,940 --> 00:00:35,010
monster then we must prepare for that

11
00:00:40,910 --> 00:00:37,950
first meeting to have eluded us for so

12
00:00:43,459 --> 00:00:40,920
long Bigfoot must understand men very

13
00:00:46,670 --> 00:00:43,469

well the burden will be on us to

14

00:00:56,470 --> 00:00:46,680

understand him Bigfoot may well be

15

00:01:12,800 --> 00:00:59,620

welcome to the skeptic zone the podcast

16

00:01:19,469 --> 00:01:15,570

hello and welcome to the skeptics our

17

00:01:22,230 --> 00:01:19,479

own episode number 332 for the first of

18

00:01:24,390 --> 00:01:22,240

March 2015 Richard Saunders here with

19

00:01:26,940 --> 00:01:24,400

you from Sydney Australia with once

20

00:01:30,210 --> 00:01:26,950

again I'm delighted to stay my special

21

00:01:33,120 --> 00:01:30,220

guest host guest host this week as last

22

00:01:35,370 --> 00:01:33,130

week Joe alabaster hello Joe hello

23

00:01:37,680 --> 00:01:35,380

Richard thank you for popping down to

24

00:01:39,870 --> 00:01:37,690

visit me this week not a problem it's

25

00:01:41,550 --> 00:01:39,880

lovely to be done in Sydney even though

26
00:01:43,560 --> 00:01:41,560
the weather is going a bit strange on us

27
00:01:45,690 --> 00:01:43,570
yeah as we are recording folks and we're

28
00:01:50,070 --> 00:01:45,700
looking at the radar map here huge storm

29
00:01:51,810 --> 00:01:50,080
cell is just coming over we went outside

30
00:01:53,969 --> 00:01:51,820
a moment ago and we could actually see

31
00:01:55,770 --> 00:01:53,979
the clouds swirling like I've never seen

32
00:01:58,620 --> 00:01:55,780
them before it's a bit area bit spooky

33
00:02:00,210 --> 00:01:58,630
will press on nevertheless Joe what an

34
00:02:02,870 --> 00:02:00,220
interesting show we have for you this

35
00:02:05,940 --> 00:02:02,880
week we do indeed first up we've got

36
00:02:07,710 --> 00:02:05,950
Maynard with a bit of spooky action he

37
00:02:10,350 --> 00:02:07,720
is going to be talking to dr. Alex

38
00:02:12,300 --> 00:02:10,360

Wardak who was speaking at the

39

00:02:14,610 --> 00:02:12,310

Australian skeptics national convention

40

00:02:17,190 --> 00:02:14,620

last year he's very interesting I

41

00:02:18,600 --> 00:02:17,200

thought something yeah it's not the

42

00:02:20,460 --> 00:02:18,610

usual sort of thing that goes on the

43

00:02:22,259 --> 00:02:20,470

zone i don't think it's not it's he's

44

00:02:25,319 --> 00:02:22,269

going to be talking about drug reform

45

00:02:26,940 --> 00:02:25,329

hmm now when may not gave you this

46

00:02:29,069 --> 00:02:26,950

interview I thought oh hello this is not

47

00:02:30,600 --> 00:02:29,079

quite as you saying not quite that what

48

00:02:32,940 --> 00:02:30,610

you would normally here on the skeptic

49

00:02:35,990 --> 00:02:32,950

zone but it's such a good interview and

50

00:02:39,000 --> 00:02:36,000

such interesting points and I think

51
00:02:42,090 --> 00:02:39,010
listeners out there will find dr. word

52
00:02:44,009 --> 00:02:42,100
acts opinions vary worth listening to

53
00:02:46,199 --> 00:02:44,019
even if you don't agree with them and

54
00:02:48,960 --> 00:02:46,209
some people will and some people want

55
00:02:51,300 --> 00:02:48,970
it's a good interview and may not really

56
00:02:52,680 --> 00:02:51,310
shows his love interview chops in this

57
00:02:54,150 --> 00:02:52,690
one I think good on your Maynard an

58
00:02:56,850 --> 00:02:54,160
interesting interview to kick off the

59
00:02:59,100 --> 00:02:56,860
show this week and following that a

60
00:03:01,140 --> 00:02:59,110
brief interview with a very important

61
00:03:03,660 --> 00:03:01,150
man professor brian schmidt who won a

62
00:03:06,600 --> 00:03:03,670
nobel prize in physics he was speaking

63
00:03:08,520 --> 00:03:06,610

in canberra the canberra skeptics joe

64

00:03:10,680 --> 00:03:08,530

have a lot of good talks down there they

65

00:03:12,840 --> 00:03:10,690

really really do yeah I'm very impressed

66

00:03:15,090 --> 00:03:12,850

anyway Kevin Davies from the camera

67

00:03:17,759 --> 00:03:15,100

skeptics catches up with professor

68

00:03:19,290 --> 00:03:17,769

Schmidt just after his talk and has a

69

00:03:21,240 --> 00:03:19,300

brief chat with him so I thought I would

70

00:03:23,220 --> 00:03:21,250

include that in this week's show thank

71

00:03:25,380 --> 00:03:23,230

you Kevin for passing that along

72

00:03:28,020 --> 00:03:25,390

me and following that is awake in

73

00:03:30,479 --> 00:03:28,030

silence from our iOS ah the Royal

74

00:03:33,270 --> 00:03:30,489

Institution of Australia in Adelaide I

75

00:03:34,800 --> 00:03:33,280

visited there last December when I was

76

00:03:38,009 --> 00:03:34,810

touring with james randi what a fine

77

00:03:41,369 --> 00:03:38,019

outfit it is what's that website mm-hmm

78

00:03:44,339 --> 00:03:41,379

I think it's all right as org dot a you

79

00:03:46,410 --> 00:03:44,349

know I think you're right yes a week in

80

00:03:49,140 --> 00:03:46,420

science a very popular segment on the

81

00:03:52,949 --> 00:03:49,150

skeptic zone after that you and I are

82

00:03:55,500 --> 00:03:52,959

going to have a bit of chat about a sad

83

00:03:57,990 --> 00:03:55,510

story as it turns out a woman known as

84

00:04:00,900 --> 00:03:58,000

the wellness warrior is that word

85

00:04:05,670 --> 00:04:00,910

wellness died last week sadly died of

86

00:04:07,830 --> 00:04:05,680

cancer but it seems she could have

87

00:04:10,530 --> 00:04:07,840

prevented this she could have prevented

88

00:04:12,630 --> 00:04:10,540

this she turned her back on what we

89

00:04:15,150 --> 00:04:12,640

might call traditional evidence-based

90

00:04:18,509 --> 00:04:15,160

scientific medicine went down the path

91

00:04:21,659 --> 00:04:18,519

of natural health and all this sort of

92

00:04:23,580 --> 00:04:21,669

thing and it turned out it didn't do her

93

00:04:26,730 --> 00:04:23,590

any good so we'll be discussing her

94

00:04:28,830 --> 00:04:26,740

story a bit later in the show but Joe

95

00:04:30,480 --> 00:04:28,840

listeners may have spotted something a

96

00:04:32,520 --> 00:04:30,490

little bit unusual about the beginning

97

00:04:35,219 --> 00:04:32,530

of the show before theme music yes that

98

00:04:37,350 --> 00:04:35,229

was Leonard Nimoy the voice of spot the

99

00:04:40,409 --> 00:04:37,360

voice of Atlanta domoi doing the

100

00:04:42,089 --> 00:04:40,419

introduction to a very famous show he

101
00:04:45,330 --> 00:04:42,099
did in the 70s and the early 80s called

102
00:04:47,670 --> 00:04:45,340
in search of now Joe is a little a

103
00:04:50,540 --> 00:04:47,680
little skeptical Richard Saunders not so

104
00:04:53,400 --> 00:04:50,550
skeptical in the 1970s watching TV

105
00:04:55,140 --> 00:04:53,410
watching in search of of Leonard Nimoy

106
00:04:57,210 --> 00:04:55,150
and he's looking for in that case

107
00:05:00,120 --> 00:04:57,220
Bigfoot or the Loch Ness monster and all

108
00:05:01,230 --> 00:05:00,130
sorts of stuff and we bought it you know

109
00:05:03,510 --> 00:05:01,240
we thought these things were

110
00:05:05,610 --> 00:05:03,520
documentaries and when when I was

111
00:05:07,909 --> 00:05:05,620
younger it was quite something don't

112
00:05:11,129 --> 00:05:07,919
wonder how many people who enjoy these

113
00:05:13,680 --> 00:05:11,139

cryptozoology shows and I've enjoyed

114

00:05:15,690 --> 00:05:13,690

such shows myself actually use that as

115

00:05:18,810 --> 00:05:15,700

kind of a gateway towards skepticism

116

00:05:20,339 --> 00:05:18,820

asking more questions and finding out

117

00:05:24,420 --> 00:05:20,349

where to find them it's absolutely true

118

00:05:26,339 --> 00:05:24,430

and I think I mean as a geek in you're a

119

00:05:28,589 --> 00:05:26,349

geek and i'ma geek them with lots of a

120

00:05:30,510 --> 00:05:28,599

14-6 and nerds and things like that of

121

00:05:32,190 --> 00:05:30,520

course we're saddened that Leonard Nimoy

122

00:05:34,770 --> 00:05:32,200

died because we enjoyed these

123

00:05:35,810 --> 00:05:34,780

performances Spock very much but when

124

00:05:38,090 --> 00:05:35,820

you look at the man

125

00:05:40,790 --> 00:05:38,100

himself in a strange sort of way he

126
00:05:44,420 --> 00:05:40,800
inspired science and two very different

127
00:05:47,410 --> 00:05:44,430
ways one is enlarged Lee credited to

128
00:05:50,030 --> 00:05:47,420
Star Trek inspiring people to pursue a

129
00:05:51,050 --> 00:05:50,040
career in science a lot of lots of

130
00:05:53,000 --> 00:05:51,060
people around the world millions

131
00:05:56,480 --> 00:05:53,010
probably over the years were inspired by

132
00:05:58,190 --> 00:05:56,490
what they saw in Star Trek to to follow

133
00:06:01,040 --> 00:05:58,200
a scientific course in their life I

134
00:06:03,740 --> 00:06:01,050
think yes certainly on a lot of NASA's

135
00:06:05,510 --> 00:06:03,750
social fades and also the astronauts up

136
00:06:07,820 --> 00:06:05,520
on the space station at the moment have

137
00:06:10,850 --> 00:06:07,830
been posting tributes saying that they

138
00:06:13,220 --> 00:06:10,860

were incredibly inspired by Spock as a

139

00:06:15,110 --> 00:06:13,230

science officer and I think having

140

00:06:18,470 --> 00:06:15,120

somebody like that in pop culture is

141

00:06:20,600 --> 00:06:18,480

absolutely fantastic that it gave me a

142

00:06:26,390 --> 00:06:20,610

bit of nerd pride I've gotta say but

143

00:06:27,710 --> 00:06:26,400

also spoke was a pop culture icon who it

144

00:06:31,580 --> 00:06:27,720

was a positive thing that he was

145

00:06:33,890 --> 00:06:31,590

rational and it promoted rationale for

146

00:06:36,170 --> 00:06:33,900

I'm willing to say I think you're right

147

00:06:38,930 --> 00:06:36,180

and the other the other thing we just

148

00:06:41,960 --> 00:06:38,940

mentioned this in search of well it

149

00:06:45,440 --> 00:06:41,970

really sparked my interest in in in

150

00:06:47,120 --> 00:06:45,450

bizarre strange cryptozoology UFOs

151

00:06:51,050 --> 00:06:47,130

monsters and this sort of thing or it

152

00:06:53,240 --> 00:06:51,060

helped it fueled up um so in that

153

00:06:54,860 --> 00:06:53,250

respect to I think we owe him something

154

00:06:57,350 --> 00:06:54,870

even though we look at in search of now

155

00:06:59,810 --> 00:06:57,360

and if folks if you go to a new tube or

156

00:07:02,390 --> 00:06:59,820

just google in search of there are many

157

00:07:06,790 --> 00:07:02,400

episodes on youtube which are well they

158

00:07:09,770 --> 00:07:06,800

don't really stand up I must say he is

159

00:07:11,780 --> 00:07:09,780

nevertheless nevertheless there there

160

00:07:13,250 --> 00:07:11,790

there there for you to enjoy the good

161

00:07:16,100 --> 00:07:13,260

for research and things like that that

162

00:07:17,780 --> 00:07:16,110

show actually started in the in the me

163

00:07:20,660 --> 00:07:17,790

about the mid-70s and read all the way

164

00:07:23,690 --> 00:07:20,670

to 1982 would Leonard Nimoy doing in

165

00:07:27,290 --> 00:07:23,700

search of so yes I said a sad week in

166

00:07:29,030 --> 00:07:27,300

that respect um but it was good that he

167

00:07:30,530 --> 00:07:29,040

did all the things that he did and

168

00:07:33,200 --> 00:07:30,540

accomplished all the things he did in

169

00:07:35,600 --> 00:07:33,210

his life absolutely alright Joe it's

170

00:07:37,760 --> 00:07:35,610

time for you and I to run up the street

171

00:07:40,760 --> 00:07:37,770

oh yes we're going to run up the street

172

00:07:42,830 --> 00:07:40,770

in this weather mmm we're going to drive

173

00:07:44,450 --> 00:07:42,840

up the street to our club the for our

174

00:07:46,370 --> 00:07:44,460

famous club just up the end of the road

175

00:07:47,380 --> 00:07:46,380

there I might have a spicy chicken

176

00:07:48,460 --> 00:07:47,390

burger

177

00:07:51,780 --> 00:07:48,470

what do you think what do you think

178

00:07:55,030 --> 00:07:51,790

you'll have I think I'll go with a salad

179

00:07:57,580 --> 00:07:55,040

okay well we're doing that trying to

180

00:08:13,790 --> 00:07:57,590

avoid the the coming storm we hope you

181

00:08:21,890 --> 00:08:18,710

here's may not spooky action at the

182

00:08:26,250 --> 00:08:24,300

well I'm talking to someone now who's

183

00:08:28,230 --> 00:08:26,260

been to university for more than the day

184

00:08:29,880 --> 00:08:28,240

that I was there someone i just spent a

185

00:08:31,470 --> 00:08:29,890

lot of time it stands by at newcastle

186

00:08:33,510 --> 00:08:31,480

university but so where did you go to

187

00:08:35,820 --> 00:08:33,520

and what is your position in indeed who

188

00:08:37,200 --> 00:08:35,830

are you well my name is dr. Alex Roy

189

00:08:40,350 --> 00:08:37,210

Beck I'm president of the Australian

190

00:08:42,150 --> 00:08:40,360

drug reform foundation and I went to

191

00:08:46,410 --> 00:08:42,160

Melbourne University and studied

192

00:08:49,610 --> 00:08:46,420

medicine in the 1960s and then I've been

193

00:08:52,560 --> 00:08:49,620

working as a doctor for 40 years

194

00:08:54,180 --> 00:08:52,570

including 30 years at sin Vincent's

195

00:08:56,670 --> 00:08:54,190

Hospital Sydney running the alcohol and

196

00:08:58,800 --> 00:08:56,680

drug service with your interest in the

197

00:09:01,140 --> 00:08:58,810

alcohol problem it would be universally

198

00:09:03,660 --> 00:09:01,150

recognized that prohibition was the

199

00:09:05,820 --> 00:09:03,670

worst way to approach the alcohol

200

00:09:07,680 --> 00:09:05,830

problem in the u.s. is that acknowledged

201
00:09:11,250 --> 00:09:07,690
and why isn't that passed on to other

202
00:09:13,740 --> 00:09:11,260
drugs yes it certainly recognized in the

203
00:09:16,380 --> 00:09:13,750
United States no politician of serious

204
00:09:18,750 --> 00:09:16,390
politician whatever recommend in the

205
00:09:24,060 --> 00:09:18,760
United States to be back to bring it

206
00:09:26,670 --> 00:09:24,070
back and it has been tried in 15 or 20

207
00:09:29,700 --> 00:09:26,680
countries around the world and it's

208
00:09:31,710 --> 00:09:29,710
indeed it's it's currently adopted and

209
00:09:34,380 --> 00:09:31,720
implemented in half a dozen countries

210
00:09:37,370 --> 00:09:34,390
mainly around the Gulf but other

211
00:09:41,850 --> 00:09:37,380
countries like India have implemented it

212
00:09:45,060 --> 00:09:41,860
and largely abandoned it so it's not

213
00:09:47,640 --> 00:09:45,070

completely dead the there isn't quite a

214

00:09:50,930 --> 00:09:47,650

relationship between abandoning alcohol

215

00:09:54,090 --> 00:09:50,940

prohibition in 9032 and then the

216

00:09:55,890 --> 00:09:54,100

adoption of prohibition against other

217

00:09:58,350 --> 00:09:55,900

psychoactive some other psychoactive

218

00:10:00,860 --> 00:09:58,360

substances in the United States and the

219

00:10:04,890 --> 00:10:00,870

United States has been very evangelical

220

00:10:06,960 --> 00:10:04,900

outside its own country in encouraging

221

00:10:11,850 --> 00:10:06,970

or in some cases forcing other countries

222

00:10:13,680 --> 00:10:11,860

to ban other drugs it's now clear within

223

00:10:18,630 --> 00:10:13,690

the united states that drug prohibition

224

00:10:21,930 --> 00:10:18,640

has got a limited life but getting rid

225

00:10:24,330 --> 00:10:21,940

of it is is not going to be easy either

226
00:10:26,490 --> 00:10:24,340
because there are so many people who

227
00:10:27,460 --> 00:10:26,500
make a good living out of drug

228
00:10:30,370 --> 00:10:27,470
prohibition in

229
00:10:33,250 --> 00:10:30,380
leading all the people in customs police

230
00:10:36,490 --> 00:10:33,260
courts and prisons the whole criminal

231
00:10:39,160 --> 00:10:36,500
justice system politicians have had an

232
00:10:40,750 --> 00:10:39,170
easy ride out of drug prohibition so

233
00:10:43,020 --> 00:10:40,760
they'll be reluctant to give up

234
00:10:45,550 --> 00:10:43,030
something that's made it so easy for

235
00:10:48,220 --> 00:10:45,560
unelectable politicians to get elected

236
00:10:51,940 --> 00:10:48,230
and re-elected and then we've got all

237
00:10:54,940 --> 00:10:51,950
the people who run private prisons we've

238
00:10:57,040 --> 00:10:54,950

got government officials who will see

239

00:10:59,440 --> 00:10:57,050

their jobs being threatened if drug

240

00:11:02,770 --> 00:10:59,450

prohibition goes present Eisenhower's

241

00:11:06,280 --> 00:11:02,780

famous for identifying the so-called

242

00:11:08,650 --> 00:11:06,290

military industrial complex in 1961 and

243

00:11:11,200 --> 00:11:08,660

many people now talk about the prison

244

00:11:13,270 --> 00:11:11,210

industrial complex in the United States

245

00:11:16,150 --> 00:11:13,280

and other countries as well there's a

246

00:11:19,060 --> 00:11:16,160

huge vested interest that wants to keep

247

00:11:21,850 --> 00:11:19,070

this policy even though it has failed so

248

00:11:24,850 --> 00:11:21,860

miserably yes look this is a debate that

249

00:11:28,950 --> 00:11:24,860

is very difficult I've been engaged in

250

00:11:33,100 --> 00:11:28,960

this debate now for since 1987 up until

251
00:11:35,800 --> 00:11:33,110
recent years my opponents have had the

252
00:11:38,560 --> 00:11:35,810
best sound bites and a lot of this

253
00:11:41,860 --> 00:11:38,570
debate has been conducted at a very

254
00:11:44,620 --> 00:11:41,870
superficial unsophisticated level

255
00:11:46,900 --> 00:11:44,630
playing on people's fears and anxieties

256
00:11:50,410 --> 00:11:46,910
now that's fair enough to some extent

257
00:11:52,180 --> 00:11:50,420
but it's only in recent times of the

258
00:11:54,130 --> 00:11:52,190
debate has really got serious and and

259
00:11:57,700 --> 00:11:54,140
that the some degree of sophistication

260
00:12:01,240 --> 00:11:57,710
has appeared in this debate so part of

261
00:12:02,770 --> 00:12:01,250
the problem is a 1977 Senate inquire in

262
00:12:05,050 --> 00:12:02,780
Australia called the drug problem

263
00:12:11,020 --> 00:12:05,060

problem that the poor quality of the

264

00:12:14,200 --> 00:12:11,030

discussion and and reducing a complex

265

00:12:17,650 --> 00:12:14,210

topic to absurdly ridiculous absurdly

266

00:12:19,720 --> 00:12:17,660

simple sort of sound bites has made it

267

00:12:21,790 --> 00:12:19,730

much more difficult to discuss this

268

00:12:23,500 --> 00:12:21,800

issue is this somewhere in the world

269

00:12:25,630 --> 00:12:23,510

that we can point to that's doing it

270

00:12:27,100 --> 00:12:25,640

right by your thinking we could go well

271

00:12:31,139 --> 00:12:27,110

perhaps we could adopt some of their

272

00:12:33,670 --> 00:12:31,149

ideas yes well Europe started to

273

00:12:35,950 --> 00:12:33,680

acknowledge that this that we were going

274

00:12:40,290 --> 00:12:35,960

nowhere with this and the Netherlands in

275

00:12:43,090 --> 00:12:40,300

the 1970s early 1970s held two

276

00:12:46,150 --> 00:12:43,100

commissions and after the second of

277

00:12:48,880 --> 00:12:46,160

those commissions they started to slowly

278

00:12:50,440 --> 00:12:48,890

but surely move away from a drug

279

00:12:53,380 --> 00:12:50,450

prohibition system and they tried to

280

00:12:55,480 --> 00:12:53,390

separate the market for cannabis from

281

00:12:59,530 --> 00:12:55,490

the market for other illicit drugs which

282

00:13:01,660 --> 00:12:59,540

was which has worked and they did a lot

283

00:13:03,400 --> 00:13:01,670

of things that were that helped to

284

00:13:07,810 --> 00:13:03,410

reduce drug problems in the Netherlands

285

00:13:09,670 --> 00:13:07,820

Switzerland in the 1990s was also took

286

00:13:14,590 --> 00:13:09,680

at another stage further than Portugal

287

00:13:18,430 --> 00:13:14,600

in 2001 introduced a different approach

288

00:13:21,880 --> 00:13:18,440

but also that worked but these will

289

00:13:24,960 --> 00:13:21,890

really all fairly minor reforms just

290

00:13:29,440 --> 00:13:24,970

reforms around the edges and it's really

291

00:13:31,960 --> 00:13:29,450

in the last five years that the reforms

292

00:13:34,150 --> 00:13:31,970

have started in the Americas in the

293

00:13:37,329 --> 00:13:34,160

United States and in Central and South

294

00:13:39,519 --> 00:13:37,339

America what's what's driven that has it

295

00:13:41,590 --> 00:13:39,529

been a sudden awakening of common sense

296

00:13:43,930 --> 00:13:41,600

or that decided that they can get some

297

00:13:46,210 --> 00:13:43,940

tax money for this is there some

298

00:13:47,650 --> 00:13:46,220

imperative that they have that they've

299

00:13:51,490 --> 00:13:47,660

been missing that they've suddenly woken

300

00:13:54,660 --> 00:13:51,500

up to well you have to really go to the

301
00:13:58,660 --> 00:13:54,670
American hemisphere and see for yourself

302
00:14:00,910 --> 00:13:58,670
just how traumatized the American

303
00:14:04,660 --> 00:14:00,920
hemisphere has been by drug prohibition

304
00:14:07,210 --> 00:14:04,670
and especially the Central and South

305
00:14:10,000 --> 00:14:07,220
America the countries that talk most

306
00:14:11,890 --> 00:14:10,010
about how terrible is drugs are other

307
00:14:13,960 --> 00:14:11,900
rich countries like Australia but the

308
00:14:15,970 --> 00:14:13,970
countries that really suffer from drugs

309
00:14:18,190 --> 00:14:15,980
are the countries are suffer from drug

310
00:14:20,860 --> 00:14:18,200
prohibition and they are by and large

311
00:14:23,019 --> 00:14:20,870
the producer countries and the transit

312
00:14:25,240 --> 00:14:23,029
countries and there are many producer

313
00:14:27,850 --> 00:14:25,250

and transit countries in Central and

314

00:14:30,730 --> 00:14:27,860

South America and what happens is that a

315

00:14:35,230 --> 00:14:30,740

lot of the drugs are produced in in

316

00:14:37,060 --> 00:14:35,240

Latin America and and supplied to the

317

00:14:39,010 --> 00:14:37,070

country which has got the largest

318

00:14:40,750 --> 00:14:39,020

consumption the largest amount in the

319

00:14:43,129 --> 00:14:40,760

world in the United States and so as

320

00:14:46,039 --> 00:14:43,139

these drugs go up this very

321

00:14:50,359 --> 00:14:46,049

we narrow her isthmus connecting South

322

00:14:51,999 --> 00:14:50,369

America and North America the the battle

323

00:14:55,429 --> 00:14:52,009

between law enforcement and the

324

00:14:58,759 --> 00:14:55,439

trafficking organizations reaches a very

325

00:15:02,090 --> 00:14:58,769

intense level and there's carnage left

326

00:15:04,909 --> 00:15:02,100

right and center kidnappings extortion

327

00:15:07,609 --> 00:15:04,919

political corruption and life is

328

00:15:10,699 --> 00:15:07,619

unbearable and I've seen this myself in

329

00:15:12,919 --> 00:15:10,709

in Mexico and Mexico at the moment is in

330

00:15:15,079 --> 00:15:12,929

real turmoil it's a real lesson to the

331

00:15:17,989 --> 00:15:15,089

rest of the world this is what happens

332

00:15:20,569 --> 00:15:17,999

with drug prohibition so whatever you do

333

00:15:23,869 --> 00:15:20,579

don't do what is happening in South

334

00:15:26,659 --> 00:15:23,879

America so really it's it's Central and

335

00:15:29,090 --> 00:15:26,669

South America that have forced North

336

00:15:32,419 --> 00:15:29,100

America US and Canada to start taking

337

00:15:35,119 --> 00:15:32,429

this issue seriously and a lot of people

338

00:15:38,449 --> 00:15:35,129

in the United States now can see with

339

00:15:40,789 --> 00:15:38,459

their own eyes just how damaging drug

340

00:15:42,439 --> 00:15:40,799

prohibition has been for people in

341

00:15:44,329 --> 00:15:42,449

Central and South America that's why

342

00:15:47,329 --> 00:15:44,339

this is really changing around the world

343

00:15:50,090 --> 00:15:47,339

it was a commission of former presence

344

00:15:52,369 --> 00:15:50,100

in South America that first started

345

00:15:54,769 --> 00:15:52,379

ringing the alarm bells and that led to

346

00:15:57,439 --> 00:15:54,779

the global Commission on drug policy in

347

00:16:00,289 --> 00:15:57,449

june two thousand eleven and that's led

348

00:16:04,039 --> 00:16:00,299

to a huge reaction around the world mmm

349

00:16:05,509 --> 00:16:04,049

and in this country we would it with

350

00:16:07,699 --> 00:16:05,519

different kinds of drugs have their own

351

00:16:09,619 --> 00:16:07,709

problems like like the ice problem is

352

00:16:11,030 --> 00:16:09,629

different to what people call a cannabis

353

00:16:13,340 --> 00:16:11,040

problem and that sort of thing so you

354

00:16:15,350 --> 00:16:13,350

would go very slowly and carefully

355

00:16:18,319 --> 00:16:15,360

through any sort of regulation wouldn't

356

00:16:20,119 --> 00:16:18,329

you no quite the opposite why does

357

00:16:23,299 --> 00:16:20,129

Australia have a nice problem Australia

358

00:16:25,929 --> 00:16:23,309

has a nice problem thank you due to drug

359

00:16:28,729 --> 00:16:25,939

prohibition we before we had powder

360

00:16:31,970 --> 00:16:28,739

methamphetamine but powder

361

00:16:34,279 --> 00:16:31,980

methamphetamine is is a salt dissolves

362

00:16:36,949 --> 00:16:34,289

easily in water very difficult to

363

00:16:39,159 --> 00:16:36,959

vaporize whereas a crystalline

364

00:16:41,439 --> 00:16:39,169

methamphetamine so-called ice is

365

00:16:43,819 --> 00:16:41,449

difficult dissolve in water but

366

00:16:46,369 --> 00:16:43,829

vaporizes very readily low melting point

367

00:16:49,189 --> 00:16:46,379

and so if you want to inhale that argue

368

00:16:51,470 --> 00:16:49,199

it's very easy to and if you inhale the

369

00:16:52,970 --> 00:16:51,480

drug its rapidly absorbed it goes from

370

00:16:54,079 --> 00:16:52,980

the air compartment of the lungs into

371

00:16:56,720 --> 00:16:54,089

the blood very

372

00:16:59,090 --> 00:16:56,730

rapidly and then it's from seven seconds

373

00:17:01,699 --> 00:16:59,100

from the lung to the brain and that

374

00:17:05,240 --> 00:17:01,709

means very little dilution and that

375

00:17:07,279 --> 00:17:05,250

means the huge bang for the buck that if

376

00:17:09,829 --> 00:17:07,289

somebody is taking vaporized

377

00:17:12,890 --> 00:17:09,839

methamphetamine it's exactly like taking

378

00:17:15,710 --> 00:17:12,900

crack cocaine that the whole process is

379

00:17:19,970 --> 00:17:15,720

accelerated and that means greater

380

00:17:22,429 --> 00:17:19,980

impact but also greater toxicity so for

381

00:17:24,949 --> 00:17:22,439

the buyer and greater benefits more

382

00:17:27,980 --> 00:17:24,959

cost-effective but also unfortunately

383

00:17:30,830 --> 00:17:27,990

more damage to them and their loved ones

384

00:17:33,830 --> 00:17:30,840

and their community and we got the air

385

00:17:37,669 --> 00:17:33,840

through drug prohibition because if if a

386

00:17:41,060 --> 00:17:37,679

is selling ice and B is selling powder

387

00:17:45,049 --> 00:17:41,070

methamphetamine well the guy selling the

388

00:17:46,940 --> 00:17:45,059

ice is going to shifty his or her

389

00:17:49,610 --> 00:17:46,950

product much faster than the guy selling

390

00:17:52,310 --> 00:17:49,620

be and get a better price for this is

391

00:17:54,769 --> 00:17:52,320

what drives the prohibition the market

392

00:17:58,220 --> 00:17:54,779

under prohibition and we can only

393

00:18:02,200 --> 00:17:58,230

reverse that by taking away the

394

00:18:04,940 --> 00:18:02,210

prohibition framework and so what will

395

00:18:07,940 --> 00:18:04,950

have to happen is that we will have to

396

00:18:11,180 --> 00:18:07,950

have some legal regulated form of

397

00:18:13,639 --> 00:18:11,190

stimulant that people can buy it won't

398

00:18:15,500 --> 00:18:13,649

be rocket fuel like ice it won't even be

399

00:18:17,419 --> 00:18:15,510

rocket fuel like pound of

400

00:18:20,539 --> 00:18:17,429

methamphetamine but it'll be something

401
00:18:23,330 --> 00:18:20,549
and that the community can live with and

402
00:18:25,789 --> 00:18:23,340
that people can take and not damage

403
00:18:27,500 --> 00:18:25,799
themselves irreparably so we'll have to

404
00:18:29,450 --> 00:18:27,510
have some kind of compromise and will

405
00:18:32,539 --> 00:18:29,460
take us a while to work that out and I

406
00:18:35,960 --> 00:18:32,549
think we'll end up with some form of

407
00:18:39,350 --> 00:18:35,970
compromise sedative drug and some

408
00:18:42,260 --> 00:18:39,360
compromise stimulant drug and some

409
00:18:44,090 --> 00:18:42,270
compromise hallucinogenic drug and we

410
00:18:46,700 --> 00:18:44,100
already have that in a sense with

411
00:18:49,450 --> 00:18:46,710
methadone which is a drug that the

412
00:18:51,649 --> 00:18:49,460
communities not that crazy about and

413
00:18:54,250 --> 00:18:51,659

frankly heroin users aren't all that

414

00:18:56,750 --> 00:18:54,260

crazy about but it's compromise that the

415

00:19:00,019 --> 00:18:56,760

community and the heroin users can both

416

00:19:03,080 --> 00:19:00,029

live with and then we can try and get

417

00:19:04,270 --> 00:19:03,090

doctors not easy to to actually

418

00:19:06,490 --> 00:19:04,280

prescribe the drug and look

419

00:19:09,520 --> 00:19:06,500

after people who have got severe heroin

420

00:19:11,500 --> 00:19:09,530

problems so this is I think a model and

421

00:19:14,500 --> 00:19:11,510

that's why it's been so fiercely

422

00:19:16,210 --> 00:19:14,510

attacked by the supporters of drug

423

00:19:19,000 --> 00:19:16,220

prohibition because they can see that it

424

00:19:22,330 --> 00:19:19,010

works they can see that it's not perfect

425

00:19:24,220 --> 00:19:22,340

but the benefits are huge the unintended

426

00:19:27,700 --> 00:19:24,230

negative consequences are there but

427

00:19:30,640 --> 00:19:27,710

they're not huge either and it's it

428

00:19:32,350 --> 00:19:30,650

saves us a bundle of money if every

429

00:19:35,110 --> 00:19:32,360

dollar we spend on that as a community

430

00:19:37,270 --> 00:19:35,120

the community saves about seven dollars

431

00:19:38,950 --> 00:19:37,280

so i think that's the model that we're

432

00:19:42,100 --> 00:19:38,960

going to see more and more with the

433

00:19:44,050 --> 00:19:42,110

other categories of drugs you have to

434

00:19:46,740 --> 00:19:44,060

remember also that there's a lot more

435

00:19:49,360 --> 00:19:46,750

going on and people recognize that

436

00:19:52,630 --> 00:19:49,370

people who sell legal drugs like alcohol

437

00:19:54,580 --> 00:19:52,640

play up the whole debate about illicit

438

00:19:57,490 --> 00:19:54,590

drugs because it makes their product

439

00:20:00,790 --> 00:19:57,500

people forget about the carnage the

440

00:20:03,790 --> 00:20:00,800

social damage the violence and the

441

00:20:06,850 --> 00:20:03,800

corruption the terrible things that

442

00:20:09,460 --> 00:20:06,860

alcohol does in our community and so the

443

00:20:11,770 --> 00:20:09,470

the the people who sell alcohol canned

444

00:20:13,480 --> 00:20:11,780

more or less do whatever they want to do

445

00:20:15,400 --> 00:20:13,490

with very little interference from

446

00:20:19,030 --> 00:20:15,410

politicians and they've become very

447

00:20:20,710 --> 00:20:19,040

powerful and we mustn't ever let the

448

00:20:22,480 --> 00:20:20,720

illicit market behave like the alcohol

449

00:20:24,940 --> 00:20:22,490

market that's truly is one of the

450

00:20:26,470 --> 00:20:24,950

lessons to be learned look it was driven

451

00:20:28,150 --> 00:20:26,480

home a little bit to me where I think

452

00:20:29,830 --> 00:20:28,160

was on Mardi Gras night in Sydney last

453

00:20:31,810 --> 00:20:29,840

year there was a record number of people

454

00:20:33,820 --> 00:20:31,820

arrested going into mardi gras with some

455

00:20:36,250 --> 00:20:33,830

small amount of drugs on the menai and i

456

00:20:37,780 --> 00:20:36,260

really thought that that is that is just

457

00:20:39,310 --> 00:20:37,790

the most useless waste of law

458

00:20:41,290 --> 00:20:39,320

enforcement as these people are going to

459

00:20:43,450 --> 00:20:41,300

a party and here they are ending up in

460

00:20:46,840 --> 00:20:43,460

court on Monday morning well that police

461

00:20:48,610 --> 00:20:46,850

are trying to do something to

462

00:20:51,190 --> 00:20:48,620

demonstrate that they are doing

463

00:20:54,270 --> 00:20:51,200

something and they're doing that because

464

00:20:57,130 --> 00:20:54,280

they are their political masters

465

00:21:00,100 --> 00:20:57,140

appreciate the police being seen to be

466

00:21:03,160 --> 00:21:00,110

doing something and we see that with the

467

00:21:05,470 --> 00:21:03,170

sniffer dog issue very much so where

468

00:21:07,590 --> 00:21:05,480

there is an appalling lee high rate of

469

00:21:11,690 --> 00:21:07,600

false positives and false negatives

470

00:21:15,080 --> 00:21:11,700

there's a lot of money wasted

471

00:21:18,390 --> 00:21:15,090

totally wasted on the sniffer dogs and

472

00:21:21,330 --> 00:21:18,400

where initially the police claimed that

473

00:21:23,840 --> 00:21:21,340

this was to catch drug traffickers but

474

00:21:26,070 --> 00:21:23,850

only point one nine percent of of

475

00:21:29,310 --> 00:21:26,080

sniffer dog detection Zach chua Lee

476

00:21:31,110 --> 00:21:29,320

result in a successful charge being

477

00:21:33,120 --> 00:21:31,120

brought against somebody that's

478

00:21:35,070 --> 00:21:33,130

incredibly inefficient yes it is

479

00:21:37,830 --> 00:21:35,080

incredibly inefficient and this is now

480

00:21:41,370 --> 00:21:37,840

starting to come out and worst of all is

481

00:21:45,240 --> 00:21:41,380

the fact that people who are confronted

482

00:21:48,240 --> 00:21:45,250

by a sniffer dog almost all find it very

483

00:21:51,120 --> 00:21:48,250

unpleasant very confronting some people

484

00:21:52,950 --> 00:21:51,130

find it quite frightening and urban in

485

00:21:55,230 --> 00:21:52,960

nightclubs and dogs have gone through

486

00:21:57,450 --> 00:21:55,240

and it just makes you think you're

487

00:21:59,220 --> 00:21:57,460

living in a george orwell novel but

488

00:22:01,620 --> 00:21:59,230

worst of all the worst thing about the

489

00:22:04,890 --> 00:22:01,630

sniffer dogs is that they convert a a

490

00:22:08,250 --> 00:22:04,900

slight problem into a much more serious

491

00:22:10,590 --> 00:22:08,260

problem and a lot of people seeing a one

492

00:22:12,539 --> 00:22:10,600

or more sniffer dogs approaching swallow

493

00:22:14,430 --> 00:22:12,549

all the evidence they've got on them so

494

00:22:16,620 --> 00:22:14,440

that there's no evidence to find it's in

495

00:22:20,669 --> 00:22:16,630

their tummy and some of those people

496

00:22:23,010 --> 00:22:20,679

died so a policy that is meant to

497

00:22:24,810 --> 00:22:23,020

protect our health and well-being turns

498

00:22:27,659 --> 00:22:24,820

out to be a risk to our health and

499

00:22:31,399 --> 00:22:27,669

well-being and I think we're going to

500

00:22:34,110 --> 00:22:31,409

see the sniffer dog intervention

501
00:22:37,020 --> 00:22:34,120
disappear in Australia in the next few

502
00:22:39,390 --> 00:22:37,030
years and and it should disappear right

503
00:22:41,220 --> 00:22:39,400
now now for our listeners is there a

504
00:22:43,380 --> 00:22:41,230
website where we can go to and get some

505
00:22:44,909 --> 00:22:43,390
concise arguments on this and the way

506
00:22:47,130 --> 00:22:44,919
forward and is there something we can do

507
00:22:48,720 --> 00:22:47,140
politically you can join the Australian

508
00:22:50,310 --> 00:22:48,730
drug law reform foundation we've got a

509
00:22:53,430 --> 00:22:50,320
website you can join through the website

510
00:22:56,430 --> 00:22:53,440
you can join unharmed and harm mainly

511
00:22:58,110 --> 00:22:56,440
works with young people mass audiences

512
00:23:00,690 --> 00:22:58,120
and Australian drug law reform

513
00:23:02,970 --> 00:23:00,700

foundation does a lot of networking with

514

00:23:06,600 --> 00:23:02,980

behind the scenes with politicians from

515

00:23:09,779 --> 00:23:06,610

all parties and other opinion leaders so

516

00:23:13,110 --> 00:23:09,789

we work together very closely and I

517

00:23:15,090 --> 00:23:13,120

think what people can do is write

518

00:23:19,020 --> 00:23:15,100

letters to the editor of newspapers they

519

00:23:21,330 --> 00:23:19,030

can ring up talkback radio they can go

520

00:23:24,320 --> 00:23:21,340

and see their members of parliament

521

00:23:27,480 --> 00:23:24,330

Commonwealth state territory they can

522

00:23:29,850 --> 00:23:27,490

write to their members of parliament all

523

00:23:32,850 --> 00:23:29,860

of these things are well worth doing and

524

00:23:35,450 --> 00:23:32,860

they do have an impact we all should be

525

00:23:38,520 --> 00:23:35,460

very skeptical of all of the evidence

526

00:23:40,470 --> 00:23:38,530

people on the drug law reform side look

527

00:23:44,160 --> 00:23:40,480

at their evidence skeptic lead people on

528

00:23:46,080 --> 00:23:44,170

the who support the war on drugs look at

529

00:23:49,530 --> 00:23:46,090

their evidence skeptically we we should

530

00:23:53,490 --> 00:23:49,540

we don't accept anything hold it up to

531

00:23:56,130 --> 00:23:53,500

the light look at it upside down check

532

00:24:00,680 --> 00:23:56,140

the sources bringing a critical thinking

533

00:24:03,780 --> 00:24:00,690

with you absolutely in spades and I

534

00:24:07,020 --> 00:24:03,790

really do try in the work I do and I

535

00:24:10,460 --> 00:24:07,030

have for a long time to be very

536

00:24:14,520 --> 00:24:10,470

scrupulous totally scrupulous about the

537

00:24:16,890 --> 00:24:14,530

what I regard as evidence and I use the

538

00:24:19,740 --> 00:24:16,900

kind of tests that are standard in in

539

00:24:22,710 --> 00:24:19,750

medicine and we need to increasingly

540

00:24:25,170 --> 00:24:22,720

have an evidence-based approach not just

541

00:24:29,280 --> 00:24:25,180

in medicine but in social and public

542

00:24:50,160 --> 00:24:29,290

policy and that that has started but

543

00:24:57,130 --> 00:24:54,070

QED 2015 with Matt Dillahunty Lucy

544

00:25:00,100 --> 00:24:57,140

Greene Bruce hood and more tickets for

545

00:25:01,540 --> 00:25:00,110

QED 2015 are currently on sale to get

546

00:25:04,390 --> 00:25:01,550

your ticket to one of the highlights of

547

00:25:08,530 --> 00:25:04,400

the skeptical humanist calendar visit

548

00:25:11,200 --> 00:25:08,540

QED con dot org slash tickets and what a

549

00:25:14,370 --> 00:25:11,210

lineup QED has this year including oh

550

00:25:17,890 --> 00:25:14,380

one of my favorites dr. Harriet Hall I

551
00:25:21,700 --> 00:25:17,900
met Harriet years ago actually on a an

552
00:25:23,620 --> 00:25:21,710
amazing adventure the skeptic she's

553
00:25:25,510 --> 00:25:23,630
called absolutely worth the price of

554
00:25:28,060 --> 00:25:25,520
admission alone dr. Harriet Hall but of

555
00:25:30,310 --> 00:25:28,070
course professor bruce hood he's a funny

556
00:25:32,080 --> 00:25:30,320
guy he's great always good value all

557
00:25:33,670 --> 00:25:32,090
sorts of other people will be there Ritz

558
00:25:35,830 --> 00:25:33,680
will certainly know mitch benn who's

559
00:25:38,470 --> 00:25:35,840
going to be there and you can meet the

560
00:25:41,140 --> 00:25:38,480
one and only Michael Marshall as well as

561
00:25:43,480 --> 00:25:41,150
all the other merseyside skeptics and

562
00:25:45,580 --> 00:25:43,490
the skeptics from Manchester I had a

563
00:25:47,230 --> 00:25:45,590

great time at QED two years running I

564

00:25:49,570 --> 00:25:47,240

was there how lucky was high it

565

00:25:52,420 --> 00:25:49,580

certainly is one of the better skeptical

566

00:25:55,360 --> 00:25:52,430

conventions anywhere in the world don't

567

00:25:58,990 --> 00:25:55,370

delay get your ticket to QED con org

568

00:26:01,180 --> 00:25:59,000

slash tickets question explore discover

569

00:26:03,820 --> 00:26:01,190

and this is being held in Manchester of

570

00:26:06,760 --> 00:26:03,830

course at the Palace Hotel and that's

571

00:26:09,040 --> 00:26:06,770

where that area at trafford that's where

572

00:26:10,690 --> 00:26:09,050

my great grandmother came from so i've

573

00:26:13,030 --> 00:26:10,700

got a sort of a little connection with

574

00:26:15,700 --> 00:26:13,040

that area again QED what a great

575

00:26:26,409 --> 00:26:15,710

conference it is kicking off on friday

576

00:26:32,720 --> 00:26:29,899

on the nineteenth of february this year

577

00:26:34,490 --> 00:26:32,730

Professor Brian Schmidt was the guest of

578

00:26:37,820 --> 00:26:34,500

the Canberra skeptics and one of their

579

00:26:40,130 --> 00:26:37,830

regular talks his talk was entitled the

580

00:26:42,080 --> 00:26:40,140

future of science professor brian

581

00:26:46,370 --> 00:26:42,090

schmidt is a Nobel laureate having won

582

00:26:48,289 --> 00:26:46,380

the nobel prize in 2011 physics kevin

583

00:26:50,659 --> 00:26:48,299

davies from the camera skeptics caught

584

00:26:54,110 --> 00:26:50,669

up with professor Schmidt just after the

585

00:26:55,880 --> 00:26:54,120

talk thank you very much for speaking to

586

00:26:57,710 --> 00:26:55,890

us professor oh thank you very much has

587

00:27:00,140 --> 00:26:57,720

been a great fun what did you find most

588

00:27:02,799 --> 00:27:00,150

interesting about tonight's tool well it

589

00:27:05,120 --> 00:27:02,809

was a very diverse audience I had

590

00:27:08,270 --> 00:27:05,130

children asking questions from the age

591

00:27:11,450 --> 00:27:08,280

of about 72 people who were clearly in

592

00:27:14,149 --> 00:27:11,460

their 70s and we managed to cover just

593

00:27:17,720 --> 00:27:14,159

about everything from religion ethics

594

00:27:20,659 --> 00:27:17,730

the future of the universe the basics of

595

00:27:23,770 --> 00:27:20,669

the theory of everything so I think for

596

00:27:27,830 --> 00:27:23,780

me it was the diversity of both the

597

00:27:29,990 --> 00:27:27,840

questions asked and the audience going

598

00:27:31,580 --> 00:27:30,000

on to the topic ethics which was a

599

00:27:34,960 --> 00:27:31,590

fairly prominent one what is your

600

00:27:39,710 --> 00:27:34,970

opinion of the teacher of the ethical

601
00:27:43,310 --> 00:27:39,720
problems within science well I think we

602
00:27:45,740 --> 00:27:43,320
need to remind ourselves as scientists

603
00:27:47,990 --> 00:27:45,750
that ethics is an important part of what

604
00:27:51,580 --> 00:27:48,000
we do and sometimes we like to thank God

605
00:27:54,350 --> 00:27:51,590
we're not bound by ethics but ultimately

606
00:27:56,090 --> 00:27:54,360
because science is so powerful it can be

607
00:27:58,970 --> 00:27:56,100
used for good and can be used for bad

608
00:28:01,700 --> 00:27:58,980
and it certainly is very important at

609
00:28:03,080 --> 00:28:01,710
changing the world around us we have to

610
00:28:05,240 --> 00:28:03,090
realize that sometimes this is going to

611
00:28:07,820 --> 00:28:05,250
be acceptable and sometimes it's not and

612
00:28:10,190 --> 00:28:07,830
so you have to engage in the questions

613
00:28:11,690 --> 00:28:10,200

of ethics and I think you need to

614

00:28:13,850 --> 00:28:11,700

ultimately stick down to a set of

615

00:28:16,370 --> 00:28:13,860

fundamental principles and and make sure

616

00:28:18,409 --> 00:28:16,380

that we are willing to take the time to

617

00:28:20,960 --> 00:28:18,419

talk about the ethics and not just

618

00:28:22,530 --> 00:28:20,970

assume that everyone's else's ethics are

619

00:28:24,300 --> 00:28:22,540

going to be the same as our

620

00:28:27,660 --> 00:28:24,310

and there's really such a thing as an

621

00:28:30,330 --> 00:28:27,670

easy ethical question or answer so what

622

00:28:32,370 --> 00:28:30,340

are you working on now okay so the main

623

00:28:34,650 --> 00:28:32,380

thing I'm working on is using the sky

624

00:28:36,180 --> 00:28:34,660

map or telescope which is a relatively

625

00:28:39,000 --> 00:28:36,190

small telescope that has a huge digital

626

00:28:42,390 --> 00:28:39,010

camera on it 268 million pixels and

627

00:28:45,270 --> 00:28:42,400

we're scanning the entire sky and that

628

00:28:46,980 --> 00:28:45,280

survey is sort of the treasure map for

629

00:28:51,240 --> 00:28:46,990

using the biggest telescopes in the

630

00:28:52,710 --> 00:28:51,250

world to understand everything from does

631

00:28:55,200 --> 00:28:52,720

there life out there on other planets

632

00:28:58,380 --> 00:28:55,210

which we can hopefully see by binding

633

00:28:59,940 --> 00:28:58,390

nearby planets that go in front of their

634

00:29:01,530 --> 00:28:59,950

stars so we can pick up the trace

635

00:29:04,230 --> 00:29:01,540

elements of their atmosphere when they

636

00:29:07,140 --> 00:29:04,240

go in front with big telescopes of the

637

00:29:09,150 --> 00:29:07,150

future finding the oldest stars the

638

00:29:12,030 --> 00:29:09,160

first stars in the universe of which

639

00:29:14,460 --> 00:29:12,040

last year we got a early start on much

640

00:29:16,950 --> 00:29:14,470

to my surprise and discovered an object

641

00:29:19,230 --> 00:29:16,960

that was the first object not to have

642

00:29:21,390 --> 00:29:19,240

any iron in it so we think it was a star

643

00:29:22,680 --> 00:29:21,400

created from the remains of one of the

644

00:29:25,170 --> 00:29:22,690

first stars in the universe very

645

00:29:27,420 --> 00:29:25,180

exciting I look forward to hearing more

646

00:29:29,490 --> 00:29:27,430

about that so it looks like we'll get to

647

00:29:32,220 --> 00:29:29,500

head off to dinner so thank you very

648

00:29:35,070 --> 00:29:32,230

much professor brian schmidt hope to see

649

00:29:45,950 --> 00:29:35,080

you again in future my pleasure thank

650

00:29:52,409 --> 00:29:49,860

hello skeptical ninjas my name is Jake

651
00:29:55,440 --> 00:29:52,419
far Wharton named Russ fault and we're

652
00:29:57,899 --> 00:29:55,450
from the Brisbane skeptics society we

653
00:30:00,840 --> 00:29:57,909
are here to announce the first round of

654
00:30:02,970 --> 00:30:00,850
speakers and amazing events for this

655
00:30:05,070 --> 00:30:02,980
year's national skeptic convention

656
00:30:07,350 --> 00:30:05,080
that'll be held in Brisbane on the

657
00:30:10,769 --> 00:30:07,360
sixteenth to the eighteenth of October

658
00:30:13,440 --> 00:30:10,779
at QUT Gardens point featuring speakers

659
00:30:17,549 --> 00:30:13,450
such as Nobel Prize winner Brian Schmidt

660
00:30:20,850 --> 00:30:17,559
Susan garba KO nikal cigna came polly

661
00:30:24,600 --> 00:30:20,860
worland dr. Peter ellerton catan Joshi

662
00:30:26,310 --> 00:30:24,610
Ross bausch & A panel on parenting

663
00:30:28,320 --> 00:30:26,320

skeptically featuring all of your

664

00:30:31,619 --> 00:30:28,330

favorite ladies from the skeptic zone on

665

00:30:35,430 --> 00:30:31,629

the afternoon of the 16th we're also

666

00:30:36,990 --> 00:30:35,440

hosting a free skeptic am not only that

667

00:30:39,450 --> 00:30:37,000

but in the evening we have a free

668

00:30:43,249 --> 00:30:39,460

skeptical variety show and let's not

669

00:30:46,289 --> 00:30:43,259

forget the gala dinner held on Saturday

670

00:30:48,960 --> 00:30:46,299

17th for more information about the

671

00:30:51,869 --> 00:30:48,970

National Convention go to convention

672

00:30:53,669 --> 00:30:51,879

Brisbane skeptics org and get yourself

673

00:30:54,960 --> 00:30:53,679

on the email list where you can be the

674

00:30:56,820 --> 00:30:54,970

first to know about the latest

675

00:31:05,129 --> 00:30:56,830

developments as well as when tickets go

676
00:31:07,619 --> 00:31:05,139
on sale welcome to weaken science from

677
00:31:10,350 --> 00:31:07,629
RI oz bringing you the science you need

678
00:31:12,690 --> 00:31:10,360
to know it's a here can Jimmy Anderson

679
00:31:14,759 --> 00:31:12,700
and Damien Fleming a masters of swinging

680
00:31:16,409 --> 00:31:14,769
a cricket ball in the air and I've got

681
00:31:18,090 --> 00:31:16,419
the differences between smooth and

682
00:31:25,210 --> 00:31:18,100
turbulent airflow to thank for their

683
00:31:29,690 --> 00:31:27,770
when traveling through the air a cricket

684
00:31:32,210 --> 00:31:29,700
ball want to move towards the side which

685
00:31:34,399 --> 00:31:32,220
has the more turbulent airflow let me

686
00:31:36,710 --> 00:31:34,409
explain why to swing a cricket ball

687
00:31:38,960 --> 00:31:36,720
conventionally the seam is angled to one

688
00:31:41,000 --> 00:31:38,970

side meaning that as the ball flies

689

00:31:43,880 --> 00:31:41,010

through the air the smooth side of the

690

00:31:45,799 --> 00:31:43,890

ball causes smooth airflow but the same

691

00:31:48,230 --> 00:31:45,809

trips up the air and causes turbulence

692

00:31:50,960 --> 00:31:48,240

on the other side the turbulent air

693

00:31:53,000 --> 00:31:50,970

stays closed or attached to the ball for

694

00:31:55,310 --> 00:31:53,010

longer than the smooth laminar flowing

695

00:31:57,140 --> 00:31:55,320

side this causes a difference in

696

00:31:58,760 --> 00:31:57,150

pressure on each side of the ball with

697

00:32:01,220 --> 00:31:58,770

less pressure on the turbulent side

698

00:32:03,740 --> 00:32:01,230

making the ball move towards the same

699

00:32:05,510 --> 00:32:03,750

the maximum amounts of side force is

700

00:32:08,450 --> 00:32:05,520

generated at a bowling speed of around

701
00:32:10,190 --> 00:32:08,460
70 miles per hour what happens above

702
00:32:15,919 --> 00:32:10,200
that oh that's when we start getting

703
00:32:17,779 --> 00:32:15,929
reverse swing above 85 miles an hour the

704
00:32:19,669 --> 00:32:17,789
air doesn't need interference to start

705
00:32:22,100 --> 00:32:19,679
becoming turbulent on the surface of the

706
00:32:24,289 --> 00:32:22,110
bowl in this case the seam of the ball

707
00:32:26,870 --> 00:32:24,299
makes that already turbulent air even

708
00:32:28,730 --> 00:32:26,880
Messier this extra messy air will

709
00:32:30,740 --> 00:32:28,740
actually detach from the surface quicker

710
00:32:32,779 --> 00:32:30,750
than the modelling turbulent air on the

711
00:32:35,419 --> 00:32:32,789
other side causing the low air pressure

712
00:32:37,880 --> 00:32:35,429
to be on the opposite side and the ball

713
00:32:39,529 --> 00:32:37,890

swinging away from the same and if the

714

00:32:42,080 --> 00:32:39,539

ball is being bowled with the same

715

00:32:43,970 --> 00:32:42,090

straight the same forces are in play but

716

00:32:46,190 --> 00:32:43,980

using the smooth and rough sides of the

717

00:32:49,250 --> 00:32:46,200

ball to create different air flows on

718

00:32:54,140 --> 00:32:49,260

each side and now for fast facts about

719

00:32:55,820 --> 00:32:54,150

the science of sports this is a slightly

720

00:32:58,130 --> 00:32:55,830

different effect two swinging a soccer

721

00:33:00,020 --> 00:32:58,140

ball where the horizontal rotation of

722

00:33:02,169 --> 00:33:00,030

the ball creates differences in air

723

00:33:04,610 --> 00:33:02,179

resistance and attachment on each side

724

00:33:06,710 --> 00:33:04,620

baseball pitchers curves the same way to

725

00:33:08,840 --> 00:33:06,720

a soccer ball the rotation of the ball

726

00:33:11,750 --> 00:33:08,850

in one direction causes the difference

727

00:33:13,669 --> 00:33:11,760

in air attachment facing a fast bowler a

728

00:33:16,010 --> 00:33:13,679

batsman has around half a second to

729

00:33:18,649 --> 00:33:16,020

assess the trajectory of a ball choose a

730

00:33:20,899 --> 00:33:18,659

shot and play it and if you're as sick

731

00:33:23,240 --> 00:33:20,909

as me seeing a bowl or bowl repeated no

732

00:33:25,070 --> 00:33:23,250

balls if they move their foot 15

733

00:33:27,230 --> 00:33:25,080

centimeters backward to remove the

734

00:33:28,820 --> 00:33:27,240

chance of a no ball their apparent

735

00:33:31,789 --> 00:33:28,830

speeds of the batsman would drop by

736

00:33:33,690 --> 00:33:31,799

around one kilometer per hour that's it

737

00:33:35,519 --> 00:33:33,700

for this week in science

738

00:33:41,000 --> 00:33:35,529

more information on the sides of cricket

739

00:33:44,460 --> 00:33:41,010

go to the RO oz website RI aus org a you

740

00:33:46,710 --> 00:33:44,470

follow us on twitter @ ra oz and like us

741

00:34:05,580 --> 00:33:46,720

on Facebook I'm Ben Lawson we'll catch

742

00:34:07,740 --> 00:34:05,590

you next week Australian skeptics in

743

00:34:11,730 --> 00:34:07,750

Sydney invite you to our first dinner

744

00:34:14,129 --> 00:34:11,740

meeting for 2015 health care in

745

00:34:16,500 --> 00:34:14,139

Australia is full of fictitious diseases

746

00:34:19,770 --> 00:34:16,510

fake treatments and pseudo scientific

747

00:34:21,720 --> 00:34:19,780

terminology some health problems are

748

00:34:24,119 --> 00:34:21,730

also very embarrassing to mention in

749

00:34:26,040 --> 00:34:24,129

polite company and this has led to many

750

00:34:29,819 --> 00:34:26,050

people diagnosing themselves at home

751
00:34:31,530 --> 00:34:29,829
using dr. Google it's difficult to

752
00:34:33,659 --> 00:34:31,540
navigate between evidence-based medicine

753
00:34:36,540 --> 00:34:33,669
and popular discussion of the latest

754
00:34:40,800 --> 00:34:36,550
fads and this is where dr. Brad Mackay

755
00:34:42,629 --> 00:34:40,810
comes in dr. brad is a GP and TV host of

756
00:34:45,030 --> 00:34:42,639
embarrassing bodies down under a

757
00:34:46,710 --> 00:34:45,040
television show dedicated to decreasing

758
00:34:48,930 --> 00:34:46,720
the stigma of medical problems and

759
00:34:51,899 --> 00:34:48,940
increasing awareness of traditionally

760
00:34:54,389 --> 00:34:51,909
taboo topics he has an impressive

761
00:34:56,460 --> 00:34:54,399
background in medicine who is accepted

762
00:34:59,130 --> 00:34:56,470
into medicine at monash university when

763
00:35:02,000 --> 00:34:59,140

he was only 16 years old and started

764

00:35:04,260 --> 00:35:02,010

working as a doctor at the age of 21

765

00:35:06,870 --> 00:35:04,270

he's been working in general practice

766

00:35:09,089 --> 00:35:06,880

for the past 10 years and regularly

767

00:35:11,430 --> 00:35:09,099

tackles the tough and often embarrassing

768

00:35:14,849 --> 00:35:11,440

questions from his patients helping to

769

00:35:17,520 --> 00:35:14,859

find clarity in a woo filled world he's

770

00:35:20,930 --> 00:35:17,530

a dynamic speaker on medical myths false

771

00:35:26,400 --> 00:35:20,940

fads and of course embarrassing bodies

772

00:35:30,870 --> 00:35:26,410

to book your place go to [ww skeptics com](http://www.skeptics.com)

773

00:35:32,940 --> 00:35:30,880

[au / shop / events](#) the dinner will be

774

00:35:35,400 --> 00:35:32,950

held at the ride Eastwood leagues club

775

00:35:39,180 --> 00:35:35,410

on saturday the twenty-eighth of march

776

00:35:41,430 --> 00:35:39,190

at 630pm please book your ticket by

777

00:35:43,829 --> 00:35:41,440

wednesday march 25

778

00:35:47,099 --> 00:35:43,839

tickets are fifty dollars and include an

779

00:35:49,109 --> 00:35:47,109

extensive buffet dinner the special door

780

00:35:51,780 --> 00:35:49,119

prize means one person will have their

781

00:35:55,980 --> 00:35:51,790

dinner fee reimbursed that's dinner and

782

00:35:58,650 --> 00:35:55,990

a show for free book now for your place

783

00:36:11,880 --> 00:35:58,660

on the examination couch we look forward

784

00:36:12,930 --> 00:36:11,890

to seeing you there so as we mentioned

785

00:36:15,390 --> 00:36:12,940

at the top of the show we're going to

786

00:36:17,190 --> 00:36:15,400

talk a little bit about this story I had

787

00:36:20,099 --> 00:36:17,200

to do with a woman who called herself

788

00:36:23,190 --> 00:36:20,109

and was labeled anyway the Wilmes

789

00:36:27,079 --> 00:36:23,200

warrior Joe yes this was jessica

790

00:36:31,620 --> 00:36:27,089

ainscough she was initially diagnosed

791

00:36:35,010 --> 00:36:31,630

with epithelial sarcoma in her I think

792

00:36:38,190 --> 00:36:35,020

left arm lifts on her and went through

793

00:36:41,490 --> 00:36:38,200

one round of treatment and after that

794

00:36:43,410 --> 00:36:41,500

her oncologist suggested well advised

795

00:36:45,780 --> 00:36:43,420

that the best way to be rid of this

796

00:36:49,349 --> 00:36:45,790

cancer was actually to have a fairly

797

00:36:54,240 --> 00:36:49,359

radical amputation performed she decided

798

00:36:56,819 --> 00:36:54,250

against that and took on girl on therapy

799

00:37:00,030 --> 00:36:56,829

which is basically very natural living

800

00:37:03,900 --> 00:37:00,040

juicing and coffee enemas coffee enemas

801
00:37:10,170 --> 00:37:03,910
indeed and a direct quote from Jessica

802
00:37:12,870 --> 00:37:10,180
made only for about four years ago when

803
00:37:16,280 --> 00:37:12,880
she was telling her story was I refused

804
00:37:21,030 --> 00:37:16,290
to follow the doctor's orders now she

805
00:37:23,579 --> 00:37:21,040
took the opinion that her body with the

806
00:37:26,069 --> 00:37:23,589
help of certain natural therapies would

807
00:37:29,640 --> 00:37:26,079
know what to do would know how to fight

808
00:37:32,400 --> 00:37:29,650
these cancers and clean herself out so

809
00:37:34,500 --> 00:37:32,410
she did this as she was big into healthy

810
00:37:38,160 --> 00:37:34,510
living as we were saying in this sort of

811
00:37:42,180 --> 00:37:38,170
thing sadly she convinced her mother as

812
00:37:43,680 --> 00:37:42,190
it happens to follow the same regime and

813
00:37:46,349 --> 00:37:43,690

her mother had breast cancer but and

814

00:37:48,510 --> 00:37:46,359

women died not long afterwards my mother

815

00:37:52,230 --> 00:37:48,520

gave up what we might call traditional

816

00:37:54,660 --> 00:37:52,240

if evidence-based therapies also it's

817

00:37:55,200 --> 00:37:54,670

interesting to note that Jessica was

818

00:37:57,359 --> 00:37:55,210

also

819

00:38:00,900 --> 00:37:57,369

went down the path of conspiracy theory

820

00:38:03,780 --> 00:38:00,910

yeah the the big farmer rejection of

821

00:38:07,260 --> 00:38:03,790

medicine sort of belief system I'm

822

00:38:09,570 --> 00:38:07,270

actually I find this story incredibly

823

00:38:12,630 --> 00:38:09,580

tragic but if I said yes she fell for

824

00:38:14,910 --> 00:38:12,640

the way of thinking being that natural

825

00:38:19,200 --> 00:38:14,920

therapies were going to kill her and

826

00:38:21,390 --> 00:38:19,210

unfortunately she became an advocate for

827

00:38:24,329 --> 00:38:21,400

this sort of thing through her blog she

828

00:38:26,579 --> 00:38:24,339

did motivational speaking and convinced

829

00:38:29,160 --> 00:38:26,589

a whole lot of other people to follow

830

00:38:31,349 --> 00:38:29,170

the same path and reject evidence-based

831

00:38:33,450 --> 00:38:31,359

medicine now let me read something that

832

00:38:36,060 --> 00:38:33,460

our friend Joanne benim ooh who of

833

00:38:39,050 --> 00:38:36,070

course was a skeptic zone reporter what

834

00:38:42,990 --> 00:38:39,060

she wrote about this tragic affair

835

00:38:45,960 --> 00:38:43,000

Joanne rights Jessica Ann scoff wellness

836

00:38:48,839 --> 00:38:45,970

Warrior died on the 26 of februari I

837

00:38:51,359 --> 00:38:48,849

feel sad for her friends and family at

838

00:38:53,670 --> 00:38:51,369

losing their loved one but I feel angry

839

00:38:56,190 --> 00:38:53,680

that over the last few years we have

840

00:38:58,230 --> 00:38:56,200

watched a young woman slowly die what

841

00:39:00,240 --> 00:38:58,240

must have been a horrible death which

842

00:39:02,430 --> 00:39:00,250

could have been avoided if she had

843

00:39:04,079 --> 00:39:02,440

listened to her doctors rather than

844

00:39:07,980 --> 00:39:04,089

ignoring their recommendations and

845

00:39:09,960 --> 00:39:07,990

pursuing a range of unproven remedies in

846

00:39:11,930 --> 00:39:09,970

so doing she gained a legion of

847

00:39:15,540 --> 00:39:11,940

followers who believed that she was

848

00:39:18,240 --> 00:39:15,550

healed in quotation marks by alternative

849

00:39:21,210 --> 00:39:18,250

therapies who continued to a spouse her

850

00:39:23,460 --> 00:39:21,220

message and some of whom have followed

851
00:39:26,880 --> 00:39:23,470
her non medical advice themselves and

852
00:39:29,070 --> 00:39:26,890
eschewed effective treatment a terribly

853
00:39:30,570 --> 00:39:29,080
sad state of affairs and this is a very

854
00:39:32,760 --> 00:39:30,580
important message this is a very

855
00:39:35,630 --> 00:39:32,770
important message and the photographs of

856
00:39:39,780 --> 00:39:35,640
this woman Jessica are all completely

857
00:39:42,210 --> 00:39:39,790
angelic beaming healthy-looking

858
00:39:45,000 --> 00:39:42,220
everything's fine here am i drinking the

859
00:39:47,670 --> 00:39:45,010
natural jus son if your google wellness

860
00:39:49,980 --> 00:39:47,680
warrior do an image search you'll know

861
00:39:51,930 --> 00:39:49,990
what we mean it's it's quite something I

862
00:39:54,570 --> 00:39:51,940
mean I don't know Joe I think that she

863
00:39:56,400 --> 00:39:54,580

had some sort of professional help here

864

00:39:59,880 --> 00:39:56,410

gettin these publicity photographs out

865

00:40:02,510 --> 00:39:59,890

I'm quite possibly I mean she was making

866

00:40:05,520 --> 00:40:02,520

as I understand making a living out of

867

00:40:08,700 --> 00:40:05,530

coaching people regarding their health

868

00:40:09,309 --> 00:40:08,710

and alternative medicine that she was

869

00:40:11,559 --> 00:40:09,319

promoting

870

00:40:15,039 --> 00:40:11,569

um it's yeah I mean she does look very

871

00:40:17,170 --> 00:40:15,049

healthy but something really sad that

872

00:40:19,749 --> 00:40:17,180

I've seen over the past few years as

873

00:40:21,489 --> 00:40:19,759

have been watching her media photos be

874

00:40:24,039 --> 00:40:21,499

made public cuz she's been in newspapers

875

00:40:26,859 --> 00:40:24,049

she's yes you know received a fair

876

00:40:29,049 --> 00:40:26,869

amount of publicity for something fairly

877

00:40:30,910 --> 00:40:29,059

radical that she was claiming that she

878

00:40:33,459 --> 00:40:30,920

had been healed unfortunately yeah over

879

00:40:36,459 --> 00:40:33,469

the past few years she's progressively

880

00:40:38,859 --> 00:40:36,469

been hiding her arm yea which was

881

00:40:41,469 --> 00:40:38,869

affected by cancer well looking at the

882

00:40:45,189 --> 00:40:41,479

looking at a shot of her on her own web

883

00:40:47,049 --> 00:40:45,199

page actually Jessica ainscough dot-com

884

00:40:49,479 --> 00:40:47,059

in fact when you go there now

885

00:40:52,599 --> 00:40:49,489

automatically switches you too in loving

886

00:40:54,910 --> 00:40:52,609

memory and this use beaming on the couch

887

00:40:57,189 --> 00:40:54,920

with that dog and some cushions looking

888

00:40:59,890 --> 00:40:57,199

very happy but yes her left arm is

889

00:41:03,339 --> 00:40:59,900

nowhere to be seen so I I guess the

890

00:41:05,559 --> 00:41:03,349

message here is as Joanne bertemu points

891

00:41:07,539 --> 00:41:05,569

out these are unproven remedies you know

892

00:41:10,539 --> 00:41:07,549

and they're called alternative medicine

893

00:41:12,699 --> 00:41:10,549

for a good reason because as we know

894

00:41:14,650 --> 00:41:12,709

alternative medicine is your medicines

895

00:41:17,410 --> 00:41:14,660

that's been proven not to work or is

896

00:41:20,439 --> 00:41:17,420

unproven to work and her supporters gel

897

00:41:23,410 --> 00:41:20,449

I mean someone like this who's suffering

898

00:41:25,209 --> 00:41:23,420

what will their on a journey I mean we

899

00:41:27,249 --> 00:41:25,219

can understand that to an extent I guess

900

00:41:30,209 --> 00:41:27,259

but it's interesting that the her

901
00:41:32,920 --> 00:41:30,219
legions of fans what they go through

902
00:41:35,680 --> 00:41:32,930
yeah unfortunately I mean obviously

903
00:41:38,229 --> 00:41:35,690
there's a lot of grief being out port

904
00:41:40,150 --> 00:41:38,239
and this is a terrible situation her

905
00:41:43,660 --> 00:41:40,160
supporters who have been speaking on

906
00:41:47,650 --> 00:41:43,670
social media for the most part have not

907
00:41:50,289 --> 00:41:47,660
seen her awful passing as evidence or

908
00:41:52,509 --> 00:41:50,299
indicative at all that Gershon therapy

909
00:41:55,359 --> 00:41:52,519
did not treat her cancer did not cure

910
00:41:58,089 --> 00:41:55,369
her cancer which is incredibly sad I

911
00:42:00,910 --> 00:41:58,099
it's a blind spot isn't it is it's

912
00:42:03,999 --> 00:42:00,920
almost cult-like thinking I feel that

913
00:42:05,739 --> 00:42:04,009

there that utterly convinced that this

914

00:42:07,660 --> 00:42:05,749

is the right thing to do that this is

915

00:42:11,890 --> 00:42:07,670

the path that they should be taking that

916

00:42:15,009 --> 00:42:11,900

even even this tragic situation hasn't

917

00:42:16,870 --> 00:42:15,019

been enough to sway that it really

918

00:42:18,400 --> 00:42:16,880

troubles me actually the regime that

919

00:42:20,890 --> 00:42:18,410

people on gershwin therapy put

920

00:42:22,460 --> 00:42:20,900

themselves through that's five coffee

921

00:42:24,950 --> 00:42:22,470

enemas a day that's

922

00:42:27,500 --> 00:42:24,960

not a I mean even if you're beyond

923

00:42:29,990 --> 00:42:27,510

having traditional I don't know what to

924

00:42:31,700 --> 00:42:30,000

say traditional they're so modern um we

925

00:42:34,099 --> 00:42:31,710

have medicine yeah that's the one

926
00:42:35,780 --> 00:42:34,109
evidence-based medicine if you're at a

927
00:42:37,310 --> 00:42:35,790
point where there's a very low chance

928
00:42:39,740 --> 00:42:37,320
that that's going to help and you're in

929
00:42:41,390 --> 00:42:39,750
palliative care and you just want to

930
00:42:43,250 --> 00:42:41,400
feel like you're doing something maybe

931
00:42:45,650 --> 00:42:43,260
for coffee enemas to be the thing that

932
00:42:47,510 --> 00:42:45,660
you're doing it's just heartbreaking it

933
00:42:48,980 --> 00:42:47,520
so it is amazing I wonder who invented

934
00:42:51,620 --> 00:42:48,990
these in the first place they've got a

935
00:42:54,560 --> 00:42:51,630
lot to answer for that look s on maybe

936
00:42:57,830 --> 00:42:54,570
in this case look a very sad story the

937
00:43:02,839 --> 00:42:57,840
message is your best bet is to follow

938
00:43:04,580 --> 00:43:02,849

the recommendations by your specialists

939

00:43:07,220 --> 00:43:04,590

you know what they're not going to be a

940

00:43:08,990 --> 00:43:07,230

hundred percent perfect nobody is get a

941

00:43:12,890 --> 00:43:09,000

second opinion its your right to do that

942

00:43:14,690 --> 00:43:12,900

and so on but to abandon that and then

943

00:43:17,359 --> 00:43:14,700

leap to something which was no track

944

00:43:18,920 --> 00:43:17,369

record but again as I say it looks like

945

00:43:20,089 --> 00:43:18,930

so you just went down the rabbit hole I

946

00:43:22,339 --> 00:43:20,099

mean she's locked the whole conspiracy

947

00:43:25,970 --> 00:43:22,349

that the big pharma conspiracy in with

948

00:43:37,349 --> 00:43:25,980

it too so a sad story but I think

949

00:43:47,440 --> 00:43:45,220

trust three Lucy a mini loafer of the

950

00:43:49,210 --> 00:43:47,450

Islamic law be so skeptical moons of you

951
00:43:51,220 --> 00:43:49,220
must not reach that rope recorded cars

952
00:43:53,050 --> 00:43:51,230
the divinity of Austria it algebra

953
00:43:54,700 --> 00:43:53,060
shampoo Susitna podcast Petrova hooded

954
00:43:56,830 --> 00:43:54,710
garden engine but customs White's

955
00:43:59,080 --> 00:43:56,840
escaped aside a cutter bombers just not

956
00:44:03,820 --> 00:43:59,090
inertia dayton st at the wave over

957
00:44:05,260 --> 00:44:03,830
skeptics society Rajguru everybody my

958
00:44:07,540 --> 00:44:05,270
name is carol and i'm the founder of

959
00:44:09,280 --> 00:44:07,550
skeptics society russia come visit us in

960
00:44:11,290 --> 00:44:09,290
moscow and our bi-weekly meetings and

961
00:44:13,180 --> 00:44:11,300
also listen to our weekly podcast which

962
00:44:15,250 --> 00:44:13,190
is called skeptic and the site where you

963
00:44:35,470 --> 00:44:15,260

can find all of that is skeptics society

964

00:44:39,890 --> 00:44:37,760

thank you for listening to the skeptic

965

00:44:41,390 --> 00:44:39,900

zone now those people in Sydney Joe

966

00:44:43,220 --> 00:44:41,400

those people and suddenly they have a

967

00:44:45,260 --> 00:44:43,230

chance to come along and meet you meet

968

00:44:47,510 --> 00:44:45,270

me meet lots of people from the skeptic

969

00:44:49,400 --> 00:44:47,520

zone lots of good skeptic zip skeptics

970

00:44:51,200 --> 00:44:49,410

in the pub skeptics in the pub on

971

00:44:52,880 --> 00:44:51,210

thursday night thursday night and

972

00:44:55,310 --> 00:44:52,890

goodness what are they going to be

973

00:44:56,540 --> 00:44:55,320

talking about this week I've let me run

974

00:45:02,570 --> 00:44:56,550

over to the other side of the room I'm

975

00:45:04,310 --> 00:45:02,580

not running to the fridge I mean makes

976
00:45:07,910 --> 00:45:04,320
the microphone look at this Jo what I

977
00:45:10,220 --> 00:45:07,920
have in my hope that allow premium wine

978
00:45:12,860 --> 00:45:10,230
card oh it's in a beautiful black box

979
00:45:15,440 --> 00:45:12,870
with with silver and oh my goodness and

980
00:45:19,610 --> 00:45:15,450
the barbarities oh it actually has a

981
00:45:21,950 --> 00:45:19,620
little origami pop-up it does that's the

982
00:45:24,200 --> 00:45:21,960
sound of the premium wine my hand is

983
00:45:26,720 --> 00:45:24,210
slightly metallic i think it is rather i

984
00:45:30,380 --> 00:45:26,730
think it might be an aluminium yeah it's

985
00:45:32,360 --> 00:45:30,390
got a little in a wine glass logo sort

986
00:45:35,480 --> 00:45:32,370
of pressed out in the middle or to the

987
00:45:37,580 --> 00:45:35,490
side i should say there it is we're

988
00:45:39,350 --> 00:45:37,590

going to be testing that array

989

00:45:41,300 --> 00:45:39,360

informally i grant you but we're going

990

00:45:43,130 --> 00:45:41,310

to be having great fun at skeptic in the

991

00:45:45,920 --> 00:45:43,140

pub testing this card to see if it can

992

00:45:48,920 --> 00:45:45,930

prove the taste of wine and water and

993

00:45:51,170 --> 00:45:48,930

other drinks goodness may goodness me

994

00:45:53,720 --> 00:45:51,180

I'm skeptical you skeptical birthing

995

00:45:55,850 --> 00:45:53,730

those people in Sydney the you

996

00:45:58,430 --> 00:45:55,860

everybody's welcome the crown hotel in

997

00:46:00,470 --> 00:45:58,440

the city just Google and skeptics in the

998

00:46:03,140 --> 00:46:00,480

pub in Sydney for more information this

999

00:46:05,270 --> 00:46:03,150

thursday night well Joe thank you for

1000

00:46:07,130 --> 00:46:05,280

again thank you for coming down the

1001
00:46:08,900 --> 00:46:07,140
mountains and visiting me here in Sydney

1002
00:46:12,560 --> 00:46:08,910
it's been a pusher thank you very much

1003
00:46:14,330 --> 00:46:12,570
and for this week while we look out the

1004
00:46:16,310 --> 00:46:14,340
window again that storm still sort of

1005
00:46:19,400 --> 00:46:16,320
gathering out there this is Richard

1006
00:46:24,580 --> 00:46:19,410
Saunders and Joe alabaster signing off

1007
00:46:30,770 --> 00:46:27,020
you've been listening to the skeptics

1008
00:46:33,680 --> 00:46:30,780
own podcast visit our website at wwc a

1009
00:46:37,130 --> 00:46:33,690
petting zoo TV for contacts and archive

1010
00:46:39,830 --> 00:46:37,140
of all episodes since 2008 and our

1011
00:46:41,740 --> 00:46:39,840
online store please support the skeptic

1012
00:46:44,930 --> 00:46:41,750
zone by following us on twitter at

1013
00:46:48,560 --> 00:46:44,940

skeptic zone liking us on facebook and

1014

00:46:50,720 --> 00:46:48,570

leaving a review on iTunes you can also

1015

00:46:53,890 --> 00:46:50,730

show your support by subscribing via

1016

00:46:56,660 --> 00:46:53,900

paypal for as little as 99 cents a week

1017

00:46:58,280 --> 00:46:56,670

the skeptic zone is an independent

1018

00:47:00,740 --> 00:46:58,290

production the views and opinions

1019

00:47:02,360 --> 00:47:00,750

expressed on the skeptic zone and not

1020

00:47:05,240 --> 00:47:02,370

necessarily those of australian

1021

00:47:19,270 --> 00:47:05,250

skeptical or any other skeptical

1022

00:47:22,270 --> 00:47:19,280

organization lost civilizations

1023

00:47:26,560 --> 00:47:22,280

extraterrestrials myths and monsters

1024

00:47:29,930 --> 00:47:26,570

missing persons magic and witchcraft

1025

00:47:31,970 --> 00:47:29,940

unexplained phenomena in search of

1026

00:47:35,060 --> 00:47:31,980

cameras are traveling the world seeking

1027

00:47:37,030 --> 00:47:35,070

out these great mysteries this program

1028

00:47:39,470 --> 00:47:37,040

was the result of the work of scientists