

The Skeptic Zone
Show 288 - 27 April 2014



Paul Zenon

1
00:00:22,890 --> 00:00:09,089
welcome to the skeptic zone the podcast

2
00:00:29,710 --> 00:00:25,659
hello and welcome to the skeptic zone

3
00:00:32,530 --> 00:00:29,720
episode number 288 for the 27th of april

4
00:00:35,200 --> 00:00:32,540
2014 richardsaunders here with you from

5
00:00:36,639 --> 00:00:35,210
Sydney Australia and before we get into

6
00:00:39,250 --> 00:00:36,649
the show yes to all those people who

7
00:00:41,079 --> 00:00:39,260
think they saw me or someone who looks

8
00:00:42,520 --> 00:00:41,089
like me on the latest episode of modern

9
00:00:45,369 --> 00:00:42,530
family the one where they're in

10
00:00:47,470 --> 00:00:45,379
Australia yes that was me now to a great

11
00:00:49,899 --> 00:00:47,480
great couple of days working on that

12
00:00:51,430 --> 00:00:49,909
show sort of in the background there but

13
00:00:52,780 --> 00:00:51,440

don't worry about modern family what's

14

00:00:54,520 --> 00:00:52,790

happening in the world of modern

15

00:00:57,070 --> 00:00:54,530

scepticism we're going to kick off the

16

00:00:59,140 --> 00:00:57,080

show with a grain of salt from Iran sir

17

00:01:01,560 --> 00:00:59,150

give who was lucky enough to be a QED

18

00:01:05,380 --> 00:01:01,570

question explore discover in Manchester

19

00:01:07,060 --> 00:01:05,390

Iran this week catches up with a great

20

00:01:09,789 --> 00:01:07,070

magician and a great entertainer I the

21

00:01:13,350 --> 00:01:09,799

pleasure of seeing this man perform in

22

00:01:16,210 --> 00:01:13,360

Manchester a knockout act Paul's in and

23

00:01:18,660 --> 00:01:16,220

magician and skeptic he's going to be

24

00:01:22,450 --> 00:01:18,670

chatting about QED of course and

25

00:01:25,210 --> 00:01:22,460

something about the relatively recent

26

00:01:27,100 --> 00:01:25,220

story with the the psychic the person

27

00:01:28,960 --> 00:01:27,110

who builds herself as a psychic Sally

28

00:01:30,940 --> 00:01:28,970

Morgan that's coming up at the start of

29

00:01:33,430 --> 00:01:30,950

the show following that it's a week in

30

00:01:36,100 --> 00:01:33,440

science with Paul Willis from the Royal

31

00:01:37,719 --> 00:01:36,110

Institution of Australia and then coming

32

00:01:39,580 --> 00:01:37,729

up later in the show a full interview

33

00:01:40,930 --> 00:01:39,590

with Paul Willis from the Royal

34

00:01:43,660 --> 00:01:40,940

Institution of Australia he's going to

35

00:01:46,690 --> 00:01:43,670

be chatting about his recent trip to the

36

00:01:50,260 --> 00:01:46,700

Antarctic ah so jealous would love to go

37

00:01:52,840 --> 00:01:50,270

and also an upcoming tour about the

38

00:01:55,149 --> 00:01:52,850

science of doctor who also coming up on

39

00:01:57,880 --> 00:01:55,159

this week's show it's the return of Joe

40

00:02:00,100 --> 00:01:57,890

alabaster with a new segment evidence

41

00:02:03,039 --> 00:02:00,110

please Joe is going to be reading a

42

00:02:04,690 --> 00:02:03,049

report about the know what's the word we

43

00:02:08,109 --> 00:02:04,700

can look for maybe you could run to your

44

00:02:10,149 --> 00:02:08,119

thesaurus and look up lunatic mmm about

45

00:02:12,880 --> 00:02:10,159

the anti-vaxxers out there in our

46

00:02:15,369 --> 00:02:12,890

society ah what a funny bunch they are

47

00:02:17,259 --> 00:02:15,379

for those people in Sydney don't forget

48

00:02:19,710 --> 00:02:17,269

to come along to Sydney skeptics in the

49

00:02:22,360 --> 00:02:19,720

pub the first thursday of the month and

50

00:02:27,809 --> 00:02:22,370

that means this thursday coming up at

51
00:02:32,500 --> 00:02:27,819
the crown hotel in sydney details at ww

52
00:02:33,660 --> 00:02:32,510
skeptics com au and for everybody all

53
00:02:37,350 --> 00:02:33,670
around the world

54
00:02:39,270 --> 00:02:37,360
I sincerely advise you to run without

55
00:02:42,330 --> 00:02:39,280
delay do you run on the internet I don't

56
00:02:46,440 --> 00:02:42,340
know surf to the page of the Friends of

57
00:02:49,860 --> 00:02:46,450
science medicine ww science in medicine

58
00:02:51,570 --> 00:02:49,870
org a you and subscribe to the

59
00:02:53,340 --> 00:02:51,580
newsletter now this is a group of people

60
00:02:54,930 --> 00:02:53,350
we've covered these people before on the

61
00:02:56,940 --> 00:02:54,940
skeptic zone we've certainly chatted

62
00:03:00,030 --> 00:02:56,950
about them and interview them friends of

63
00:03:02,850 --> 00:03:00,040

science in medicine promoting and

64

00:03:05,729 --> 00:03:02,860

supporting and defending good science

65

00:03:07,710 --> 00:03:05,739

and good medicine in Australia but now

66

00:03:12,690 --> 00:03:07,720

it's time for me to run downstairs and

67

00:03:15,750 --> 00:03:12,700

have some Oh satay chicken mmm satay

68

00:03:19,860 --> 00:03:15,760

chicken and rice that peanut sauce folks

69

00:03:39,130 --> 00:03:19,870

I tell you wha sat oh yes well I do that

70

00:03:50,120 --> 00:03:41,710

little take this with a grain of salt

71

00:03:52,730 --> 00:03:50,130

he's around second i have with me here

72

00:03:56,240 --> 00:03:52,740

pulls in on a magician and Tanner who

73

00:04:00,920 --> 00:03:56,250

was the MC 4qd hello Paul hello have you

74

00:04:02,980 --> 00:04:00,930

doing very good so let's start by asking

75

00:04:06,140 --> 00:04:02,990

about your relationship to skepticism

76

00:04:07,610 --> 00:04:06,150

yeah it kind of came a little bit out of

77

00:04:10,790 --> 00:04:07,620

the blue a couple of years ago when I

78

00:04:14,210 --> 00:04:10,800

got asked to go but QED here in

79

00:04:16,160 --> 00:04:14,220

Manchester and I wasn't particularly

80

00:04:17,990 --> 00:04:16,170

aware of the whole skepticism movement

81

00:04:20,690 --> 00:04:18,000

but kind of found out that I'd sort of

82

00:04:24,880 --> 00:04:20,700

beading often it I hope solo for a while

83

00:04:28,100 --> 00:04:24,890

in terms of mainly due to an interest in

84

00:04:31,040 --> 00:04:28,110

debunking psychics and mediums and all

85

00:04:33,980 --> 00:04:31,050

sorts of paranormal type stuff but also

86

00:04:36,710 --> 00:04:33,990

I do a lot of stand-up comedy as well as

87

00:04:38,840 --> 00:04:36,720

the magic which is related to expect

88

00:04:41,000 --> 00:04:38,850

ranks and hoaxes and things like that

89

00:04:43,520 --> 00:04:41,010

and it's all about kind of trying to get

90

00:04:46,190 --> 00:04:43,530

round the system so it is critical

91

00:04:48,410 --> 00:04:46,200

thinking you know I did a TEDx talk

92

00:04:51,650 --> 00:04:48,420

about airport security for example and

93

00:04:53,950 --> 00:04:51,660

it was how to mess about with it just to

94

00:04:56,900 --> 00:04:53,960

kind of point out the flaws in their

95

00:04:58,460 --> 00:04:56,910

theater of what we included you did

96

00:05:00,890 --> 00:04:58,470

include a section in that talk about how

97

00:05:02,660 --> 00:05:00,900

to do without getting arrested no in

98

00:05:04,580 --> 00:05:02,670

groups one of the lines in it was

99

00:05:06,350 --> 00:05:04,590

actually you know it's kind of it's how

100

00:05:08,210 --> 00:05:06,360

to dick about with airport security if

101
00:05:11,870 --> 00:05:08,220
you don't mind doing two years inside

102
00:05:14,420 --> 00:05:11,880
for a laugh so I working first

103
00:05:18,290 --> 00:05:14,430
skepticism or the skepticism bit or them

104
00:05:19,910 --> 00:05:18,300
magically I suppose the magic kind of

105
00:05:21,770 --> 00:05:19,920
came first because I didn't wasn't aware

106
00:05:24,500 --> 00:05:21,780
of the term skepticism until a few years

107
00:05:25,820 --> 00:05:24,510
ago really but it's kind of closely

108
00:05:28,340 --> 00:05:25,830
related in the sense that when I was a

109
00:05:29,720 --> 00:05:28,350
kid the word trick was always appealing

110
00:05:32,180 --> 00:05:29,730
the trick was a thing that could be

111
00:05:33,830 --> 00:05:32,190
funny like a practical joke or it could

112
00:05:35,330 --> 00:05:33,840
be a magic thing or it could be kind of

113
00:05:37,070 --> 00:05:35,340

a calm you know that kind of calm man

114

00:05:40,730 --> 00:05:37,080

type thing I was always fascinated with

115

00:05:42,490 --> 00:05:40,740

films like the stinging Paper Moon and

116

00:05:45,190 --> 00:05:42,500

things which was about

117

00:05:47,590 --> 00:05:45,200

nonviolent crime so clever dealer heists

118

00:05:48,880 --> 00:05:47,600

and things like that and I think that's

119

00:05:51,910 --> 00:05:48,890

the sort of link with sketchy it's a

120

00:05:53,680 --> 00:05:51,920

it's about using deceit but in a clever

121

00:05:55,210 --> 00:05:53,690

way so it becomes a kind of intellectual

122

00:05:57,540 --> 00:05:55,220

challenge you know and so does that

123

00:06:01,780 --> 00:05:57,550

parallel with the critical thinking idea

124

00:06:03,760 --> 00:06:01,790

but yet you just try to work out ways of

125

00:06:06,280 --> 00:06:03,770

getting round things you know that it

126

00:06:07,600 --> 00:06:06,290

used to be a cartoon strip in a comic

127

00:06:10,390 --> 00:06:07,610

when I was a kid called Roger the Dodger

128

00:06:12,490 --> 00:06:10,400

and it was there was this kid who was

129

00:06:14,430 --> 00:06:12,500

trying to get away with things and not

130

00:06:17,110 --> 00:06:14,440

yeah you know you do the easiest route

131

00:06:19,630 --> 00:06:17,120

but you know it's kind of crime without

132

00:06:20,530 --> 00:06:19,640

malice basically you know and so that's

133

00:06:23,170 --> 00:06:20,540

that's what I've always been interested

134

00:06:25,570 --> 00:06:23,180

so my I suppose stage persona is a bit

135

00:06:29,230 --> 00:06:25,580

of a bit of a condom really and so you

136

00:06:31,090 --> 00:06:29,240

become a kind of expert in DC in general

137

00:06:33,159 --> 00:06:31,100

and I think that's why magicians kind of

138

00:06:35,350 --> 00:06:33,169

a got a history of debunking things like

139

00:06:36,909 --> 00:06:35,360

mediums and psychics and whatever it's

140

00:06:38,680 --> 00:06:36,919

because it takes a thief to catch a

141

00:06:40,870 --> 00:06:38,690

thief you know you're telling lies for a

142

00:06:43,240 --> 00:06:40,880

living and using this see and so what do

143

00:06:45,430 --> 00:06:43,250

you see someone else using it but

144

00:06:46,900 --> 00:06:45,440

Betelgeuse is very honest because you

145

00:06:48,370 --> 00:06:46,910

actually telling people the premise of

146

00:06:50,320 --> 00:06:48,380

your entertainment is that you're

147

00:06:51,400 --> 00:06:50,330

deceiving them yeah and you tell about

148

00:06:54,700 --> 00:06:51,410

and so you want to ask you about that

149

00:06:58,330 --> 00:06:54,710

because you're on a panel with mark

150

00:07:00,640 --> 00:06:58,340

edward and and richard wiseman that's

151
00:07:02,440 --> 00:07:00,650
right skype messages condition and one

152
00:07:05,110 --> 00:07:02,450
of the things that came up there was

153
00:07:08,710 --> 00:07:05,120
about the question about whether it is

154
00:07:10,870 --> 00:07:08,720
okay to especially with mentalism to

155
00:07:13,270 --> 00:07:10,880
pretend to be a Mentalist with actually

156
00:07:14,500 --> 00:07:13,280
saying to the audience so obviously

157
00:07:16,120 --> 00:07:14,510
there are situations where you don't

158
00:07:17,620 --> 00:07:16,130
need to actually say anything people buy

159
00:07:18,730 --> 00:07:17,630
tickets in the other coming to a show

160
00:07:20,980 --> 00:07:18,740
you don't need to edit it is anything

161
00:07:22,810 --> 00:07:20,990
it's okay to pretend because like you

162
00:07:24,940 --> 00:07:22,820
know the actual playing Othello doesn't

163
00:07:26,290 --> 00:07:24,950

say I'm not really a fellow they people

164

00:07:27,550 --> 00:07:26,300

know what they're getting yeah but there

165

00:07:31,900 --> 00:07:27,560

are situations obviously when that's not

166

00:07:33,940 --> 00:07:31,910

so clear cards and mark edward said that

167

00:07:35,980 --> 00:07:33,950

there are depends what the producer or

168

00:07:37,480 --> 00:07:35,990

the weather pays well he was basically

169

00:07:39,190 --> 00:07:37,490

saying if he got paid it off he'd said

170

00:07:41,260 --> 00:07:39,200

whatever you know we're just kind of

171

00:07:43,240 --> 00:07:41,270

fair enough i I just heard from an

172

00:07:45,430 --> 00:07:43,250

ethics point of view I think it's

173

00:07:47,260 --> 00:07:45,440

interesting that you know we have a

174

00:07:48,969 --> 00:07:47,270

performer here in the UK I don't if he's

175

00:07:50,830 --> 00:07:48,979

made many to Australia in terms of TV

176

00:07:53,830 --> 00:07:50,840

stuff called Derren Brown and he

177

00:07:54,909 --> 00:07:53,840

it's psychological you know illusionist

178

00:07:57,460 --> 00:07:54,919

and it's an interesting thing because

179

00:07:58,600 --> 00:07:57,470

even though he tells lies about how he

180

00:08:00,159 --> 00:07:58,610

supposedly does things you know I'm

181

00:08:02,200 --> 00:08:00,169

reading body language and I know because

182

00:08:04,210 --> 00:08:02,210

your left ear twitch till you move your

183

00:08:05,770 --> 00:08:04,220

right elbow i no you chose the six of

184

00:08:09,610 --> 00:08:05,780

Spades you know and it's kind of it

185

00:08:11,320 --> 00:08:09,620

takes a ball argument however it's kind

186

00:08:13,360 --> 00:08:11,330

of coming you know it's cutting all that

187

00:08:14,560 --> 00:08:13,370

that could be correct because people do

188

00:08:16,360 --> 00:08:14,570

read body language is in certain

189

00:08:18,189 --> 00:08:16,370

situations that to me is very different

190

00:08:20,680 --> 00:08:18,199

from saying that you're actually psychic

191

00:08:22,180 --> 00:08:20,690

again predict the future or talk to the

192

00:08:23,620 --> 00:08:22,190

dead or whatever because the problem

193

00:08:27,010 --> 00:08:23,630

with that even if you're doing it as a

194

00:08:28,840 --> 00:08:27,020

form of entertainment you're propagating

195

00:08:30,820 --> 00:08:28,850

the idea that that stuff actually exists

196

00:08:32,529 --> 00:08:30,830

yes you know and that's not healthy in

197

00:08:34,510 --> 00:08:32,539

terms of you know evolution apart from

198

00:08:36,909 --> 00:08:34,520

anything else and so you know it might

199

00:08:39,159 --> 00:08:36,919

well be that someone sees you on TV and

200

00:08:41,290 --> 00:08:39,169

you go yeah my psychic powers are

201
00:08:42,790 --> 00:08:41,300
telling me that you chose the color red

202
00:08:44,410 --> 00:08:42,800
and whatever you go that's no big deal

203
00:08:45,940 --> 00:08:44,420
is it's not doing but then someone

204
00:08:48,190 --> 00:08:45,950
watching that goes well these people

205
00:08:50,650 --> 00:08:48,200
exist so maybe when that lump appears in

206
00:08:52,660 --> 00:08:50,660
my neck I'll go and see that you know

207
00:08:54,760 --> 00:08:52,670
that person who claims to be able to

208
00:08:57,579 --> 00:08:54,770
cure that sort of thing by making me

209
00:09:00,250 --> 00:08:57,589
drink my own urine or whatever it is and

210
00:09:02,470 --> 00:09:00,260
that's so it's just propagating false

211
00:09:05,019 --> 00:09:02,480
beliefs in the name of entertainment

212
00:09:06,850 --> 00:09:05,029
quite unforgivable I think but you're

213
00:09:09,250 --> 00:09:06,860

not stranger to telling a bit of a lie

214

00:09:11,440 --> 00:09:09,260

yourself for example you have pretended

215

00:09:14,320 --> 00:09:11,450

to be you have pretended to be a father

216

00:09:17,740 --> 00:09:14,330

her concerned father worried about the

217

00:09:19,690 --> 00:09:17,750

child being eaten by a python this is

218

00:09:20,860 --> 00:09:19,700

yeah and that's the end of the podcast

219

00:09:24,280 --> 00:09:20,870

they'll just have to wonder what that

220

00:09:26,199 --> 00:09:24,290

was about the yeah basically I've got a

221

00:09:29,170 --> 00:09:26,209

few hopes is it a few prank things and

222

00:09:31,300 --> 00:09:29,180

actually partly to point out how

223

00:09:33,940 --> 00:09:31,310

gullible the press are in the public in

224

00:09:35,050 --> 00:09:33,950

general and so we should my basic

225

00:09:36,130 --> 00:09:35,060

message through that is just we

226

00:09:37,750 --> 00:09:36,140

shouldn't believe everything you read

227

00:09:40,690 --> 00:09:37,760

which most people realize but some

228

00:09:42,070 --> 00:09:40,700

people don't but I yeah we load up you

229

00:09:43,630 --> 00:09:42,080

can read the Daily Mail a lot of people

230

00:09:45,970 --> 00:09:43,640

really Daily Mail I can't say too much

231

00:09:49,840 --> 00:09:45,980

about the Daily Mail because of you know

232

00:09:51,400 --> 00:09:49,850

I will go to bed but they're here but

233

00:09:53,680 --> 00:09:51,410

yeah it's so I've done a few kind of

234

00:09:55,090 --> 00:09:53,690

hoax stories just to see how far we and

235

00:09:58,120 --> 00:09:55,100

you just got a schoolboy mischeif

236

00:10:00,370 --> 00:09:58,130

basically you know but that's telling a

237

00:10:01,750 --> 00:10:00,380

lie but it's not actually setting up a

238

00:10:04,000 --> 00:10:01,760

belief that's going to harm anyone

239

00:10:04,360 --> 00:10:04,010

long-term you know so they might keep

240

00:10:06,650 --> 00:10:04,370

their

241

00:10:07,700 --> 00:10:06,660

kittens indoors for a couple of days

242

00:10:09,440 --> 00:10:07,710

because they think there's an 18 foot

243

00:10:12,080 --> 00:10:09,450

Python that large that's not going to

244

00:10:14,150 --> 00:10:12,090

harm a visit you know and who knows

245

00:10:16,880 --> 00:10:14,160

there might be a you know another wild

246

00:10:19,520 --> 00:10:16,890

animal out there for real I'm struggling

247

00:10:22,460 --> 00:10:19,530

there yeah but actually you know not

248

00:10:24,230 --> 00:10:22,470

telling them from the Panthers that's a

249

00:10:25,940 --> 00:10:24,240

bit of fun and it's just demonstrating

250

00:10:28,370 --> 00:10:25,950

the way the media works you know there's

251

00:10:30,710 --> 00:10:28,380

a big difference between LA and you know

252

00:10:32,180 --> 00:10:30,720

a certain well-known psychic on TV who

253

00:10:34,690 --> 00:10:32,190

said that they're sending healing

254

00:10:37,250 --> 00:10:34,700

messages to someone and you know it

255

00:10:39,290 --> 00:10:37,260

there's a whole thing about what harm de

256

00:10:41,660 --> 00:10:39,300

mediums do you know an old lady pays a

257

00:10:43,250 --> 00:10:41,670

money and goes and sees show and it

258

00:10:45,020 --> 00:10:43,260

brings a bit of comfort to us so what

259

00:10:47,330 --> 00:10:45,030

harm does it do and you go well you

260

00:10:49,100 --> 00:10:47,340

wouldn't say the same about a cowboy

261

00:10:51,080 --> 00:10:49,110

builder you know someone who pretends

262

00:10:53,690 --> 00:10:51,090

that some slates missing of someone old

263

00:10:55,610 --> 00:10:53,700

ladies roof and charges are a few

264

00:10:57,590 --> 00:10:55,620

thousand dollars pounds whatever for

265

00:10:59,390 --> 00:10:57,600

fixing that you know it's a fake thing

266

00:11:00,680 --> 00:10:59,400

and you know what harm does it do if

267

00:11:02,480 --> 00:11:00,690

she's got the money and it brings are a

268

00:11:03,800 --> 00:11:02,490

bit of comfort but everybody's dead set

269

00:11:06,020 --> 00:11:03,810

against that and there are laws about

270

00:11:07,940 --> 00:11:06,030

that unfortunately the same thing with

271

00:11:09,740 --> 00:11:07,950

psychics and mediums who will take money

272

00:11:12,410 --> 00:11:09,750

off people when they're grieving and

273

00:11:14,210 --> 00:11:12,420

vulnerable that there aren't really any

274

00:11:16,040 --> 00:11:14,220

laws about it in laws changed here in

275

00:11:18,260 --> 00:11:16,050

the UK a few years ago about it now it's

276

00:11:22,280 --> 00:11:18,270

two Trading Standards thing but it's not

277

00:11:24,650 --> 00:11:22,290

actual law and speaking of psychics

278

00:11:27,260 --> 00:11:24,660

think of psyche is you have an

279

00:11:29,300 --> 00:11:27,270

interesting relationship with sally

280

00:11:30,860 --> 00:11:29,310

morgan are you i don't know i don't know

281

00:11:32,570 --> 00:11:30,870

what you're allowed to say well this is

282

00:11:34,760 --> 00:11:32,580

the problem you know the difference

283

00:11:36,350 --> 00:11:34,770

between i'm not sure the libel laws in

284

00:11:38,840 --> 00:11:36,360

australia but we have very antiquated

285

00:11:40,970 --> 00:11:38,850

laws here in the UK and the problem is

286

00:11:44,690 --> 00:11:40,980

that if you suggest something negative

287

00:11:46,760 --> 00:11:44,700

about someone they can sue you now when

288

00:11:48,440 --> 00:11:46,770

basically the story is that sally morgan

289

00:11:50,690 --> 00:11:48,450

famous psychic here who's now touring

290

00:11:53,750 --> 00:11:50,700

australia i think she should like you

291

00:11:57,080 --> 00:11:53,760

and the problem is i wrote an article

292

00:11:58,820 --> 00:11:57,090

for The Daily Mail which was she there's

293

00:12:01,790 --> 00:11:58,830

a suggestion that she may have been

294

00:12:03,980 --> 00:12:01,800

using an earpiece on stage and and I

295

00:12:05,870 --> 00:12:03,990

wrote an article about that and how some

296

00:12:08,570 --> 00:12:05,880

psychics cheats and all the rest of it

297

00:12:10,100 --> 00:12:08,580

and then and then I discovered some

298

00:12:12,230 --> 00:12:10,110

evidence that she does actually wear an

299

00:12:14,450 --> 00:12:12,240

earpiece on stage the problem was with

300

00:12:16,640 --> 00:12:14,460

the whole libel case is that it's

301
00:12:17,660 --> 00:12:16,650
actually about when what that earpiece

302
00:12:20,060 --> 00:12:17,670
was used for

303
00:12:22,640 --> 00:12:20,070
or but the suggestion from a newspaper

304
00:12:24,200 --> 00:12:22,650
not for myself I hasten to add was that

305
00:12:26,300 --> 00:12:24,210
she may have been using it for cheating

306
00:12:28,760 --> 00:12:26,310
and so she sued the newspaper and

307
00:12:29,960 --> 00:12:28,770
technically she was because there was an

308
00:12:32,060 --> 00:12:29,970
out-of-court settlement which is a

309
00:12:33,980 --> 00:12:32,070
ridiculous situation because the

310
00:12:35,180 --> 00:12:33,990
original article i saw that i'm aware

311
00:12:37,430 --> 00:12:35,190
didn't actually accuse her of cheating

312
00:12:39,230 --> 00:12:37,440
it was just pointing out that she may

313
00:12:41,270 --> 00:12:39,240

have used an earpiece I'm funny enough

314

00:12:43,970 --> 00:12:41,280

she did but it was apparently for stage

315

00:12:45,320 --> 00:12:43,980

directions not sure what no stage dollar

316

00:12:47,240 --> 00:12:45,330

given because it's around the same time

317

00:12:48,920 --> 00:12:47,250

that he came of these two Irish girls if

318

00:12:51,830 --> 00:12:48,930

I'm Emma correctly that's what it was

319

00:12:53,480 --> 00:12:51,840

about it was basically these couple of

320

00:12:55,460 --> 00:12:53,490

Irish women had phoned a radio station

321

00:12:56,990 --> 00:12:55,470

in Dublin and said that they'd heard

322

00:12:59,630 --> 00:12:57,000

voices from the back of the theatre from

323

00:13:02,360 --> 00:12:59,640

the projectional lighting box and that

324

00:13:04,310 --> 00:13:02,370

the medium on stage was saying the same

325

00:13:07,850 --> 00:13:04,320

things a short while later so the

326

00:13:10,700 --> 00:13:07,860

assumption of the radio presenter and of

327

00:13:12,920 --> 00:13:10,710

the women in retrospect was that she may

328

00:13:14,630 --> 00:13:12,930

have been fed information so it's a

329

00:13:17,180 --> 00:13:14,640

discussion about that in the article but

330

00:13:19,490 --> 00:13:17,190

no outright accusation from me however

331

00:13:20,510 --> 00:13:19,500

because the libel laws you know people

332

00:13:21,830 --> 00:13:20,520

are saying well it's great because

333

00:13:23,990 --> 00:13:21,840

she'll have to prove that she is

334

00:13:26,300 --> 00:13:24,000

actually psychic doesn't work that way

335

00:13:28,790 --> 00:13:26,310

the way the libel law works is that the

336

00:13:30,680 --> 00:13:28,800

person who is sued has to prove

337

00:13:32,780 --> 00:13:30,690

everything there's no onus on the person

338

00:13:35,390 --> 00:13:32,790

you know so I said to the male lawyer

339

00:13:38,510 --> 00:13:35,400

initially I said well how about if I say

340

00:13:40,130 --> 00:13:38,520

in court that the reason you know this

341

00:13:42,980 --> 00:13:40,140

happened is because I heard it from my

342

00:13:44,660 --> 00:13:42,990

spirit guide Geronimo and that's what

343

00:13:46,310 --> 00:13:44,670

what the situation is he said well I

344

00:13:47,870 --> 00:13:46,320

think they'd think you were taking the

345

00:13:50,990 --> 00:13:47,880

piss to be honest and the wall she

346

00:13:53,480 --> 00:13:51,000

started it it's the same argument isn't

347

00:13:56,270 --> 00:13:53,490

it you know is you know you are actually

348

00:13:59,570 --> 00:13:56,280

talking to dead people ok well how is

349

00:14:02,060 --> 00:13:59,580

that any less ridiculous ok you could

350

00:14:05,060 --> 00:14:02,070

bring your fake Python 2 to a course to

351

00:14:08,060 --> 00:14:05,070

support you but it's care of ya ya know

352

00:14:09,830 --> 00:14:08,070

Jesus told me it's it's got to be the

353

00:14:11,270 --> 00:14:09,840

truth so yeah so you have to be very

354

00:14:14,000 --> 00:14:11,280

careful it's a ridiculous situation

355

00:14:15,980 --> 00:14:14,010

because and that this is why you know

356

00:14:19,160 --> 00:14:15,990

newspapers don't generally report

357

00:14:21,050 --> 00:14:19,170

psychics being caught out or you know

358

00:14:23,420 --> 00:14:21,060

they're happy to run stories about

359

00:14:25,070 --> 00:14:23,430

ghosts and or rest of it because it's

360

00:14:26,570 --> 00:14:25,080

cheap and it's easy and people are

361

00:14:28,910 --> 00:14:26,580

interested in that kind of thing and

362

00:14:30,240 --> 00:14:28,920

they don't actually take any risk with

363

00:14:32,190 --> 00:14:30,250

the positive stuff

364

00:14:34,290 --> 00:14:32,200

rich with a negative by saying oh is

365

00:14:35,550 --> 00:14:34,300

this person gene or whatever they're

366

00:14:37,970 --> 00:14:35,560

putting themselves on the law them you

367

00:14:41,340 --> 00:14:37,980

know so it's just easier for them not to

368

00:14:43,530 --> 00:14:41,350

so when you're not doing skeptical

369

00:14:45,360 --> 00:14:43,540

conferences what do you do or water I've

370

00:14:48,060 --> 00:14:45,370

been kind of jobbing performer really I

371

00:14:49,770 --> 00:14:48,070

kind of perform it mainly kind of doing

372

00:14:51,540 --> 00:14:49,780

corporate work business conferences you

373

00:14:53,760 --> 00:14:51,550

know kind of host awards ceremonies and

374

00:14:57,630 --> 00:14:53,770

do after dinner cabaret stuff kind of

375

00:15:00,120 --> 00:14:57,640

stand up and tricks of things yeah a few

376

00:15:02,100 --> 00:15:00,130

cruise ships just you know that kind of

377

00:15:03,720 --> 00:15:02,110

thing but doing a little bit of acting

378

00:15:05,850 --> 00:15:03,730

these days so the cruise ship is

379

00:15:08,940 --> 00:15:05,860

probably a presumably to to lower the

380

00:15:10,650 --> 00:15:08,950

average age I'm thinking the cruise the

381

00:15:12,620 --> 00:15:10,660

cruiser me the creeps audience have got

382

00:15:15,570 --> 00:15:12,630

a bit younger now you know the kind of

383

00:15:17,940 --> 00:15:15,580

really certain cruise lines who shall

384

00:15:19,950 --> 00:15:17,950

remain nameless also because of libel

385

00:15:23,640 --> 00:15:19,960

laws and you know we used to call it

386

00:15:24,810 --> 00:15:23,650

club 82 dead you know but but there you

387

00:15:26,250 --> 00:15:24,820

know you get to go some quite

388

00:15:29,040 --> 00:15:26,260

interesting places these days you've got

389

00:15:31,860 --> 00:15:29,050

some quite exotic routes around and it's

390

00:15:33,900 --> 00:15:31,870

pretty well paid and it's nice food you

391

00:15:35,579 --> 00:15:33,910

know if you spend anything so it's got a

392

00:15:37,650 --> 00:15:35,589

nice easy one but the audiences are a

393

00:15:39,590 --> 00:15:37,660

bit tend to be a little bit low energy

394

00:15:42,420 --> 00:15:39,600

because they're on holiday and you know

395

00:15:44,520 --> 00:15:42,430

but yeah that's that's kind of a nice

396

00:15:46,260 --> 00:15:44,530

nice thing to do three or four times of

397

00:15:48,510 --> 00:15:46,270

year you know and is there any chance

398

00:15:49,710 --> 00:15:48,520

that the most of the or at least a

399

00:15:51,690 --> 00:15:49,720

significant proportion of the listeners

400

00:15:53,310 --> 00:15:51,700

to this podcast will be Australian any

401
00:15:56,040 --> 00:15:53,320
chance they would see an Israeli anytime

402
00:15:57,750 --> 00:15:56,050
soon hopefully there's no major plans at

403
00:15:58,920 --> 00:15:57,760
the moment but I used to go to Australia

404
00:16:01,170 --> 00:15:58,930
reasonably regular and I play the

405
00:16:05,329 --> 00:16:01,180
adelaide fringe festival and melbourne

406
00:16:08,220 --> 00:16:05,339
comedy festival brisbane and sydney

407
00:16:10,220 --> 00:16:08,230
comedy festival is next week so you yeah

408
00:16:12,270 --> 00:16:10,230
bit my little bit about yeah exactly

409
00:16:13,980 --> 00:16:12,280
there's a show over there call the

410
00:16:15,540 --> 00:16:13,990
soiree that have worked with a few times

411
00:16:17,280 --> 00:16:15,550
which is kind of like an adult circus

412
00:16:21,300 --> 00:16:17,290
thing which I think was in Sydney

413
00:16:22,950 --> 00:16:21,310

recently actually and melbourne and

414

00:16:24,990 --> 00:16:22,960

adelaide and played in New Zealand as

415

00:16:25,740 --> 00:16:25,000

well and that's an interesting thing

416

00:16:28,290 --> 00:16:25,750

that there's a whole kind of

417

00:16:30,240 --> 00:16:28,300

resurrection of variety these days so

418

00:16:31,770 --> 00:16:30,250

it's not that kind enough cheesy old

419

00:16:33,810 --> 00:16:31,780

school thing it's actually sort of now

420

00:16:35,790 --> 00:16:33,820

quite cool thing again so for like a

421

00:16:37,560 --> 00:16:35,800

magician you know people stole finger

422

00:16:38,550 --> 00:16:37,570

magicians is wearing bow ties and a top

423

00:16:40,890 --> 00:16:38,560

hat another

424

00:16:42,540 --> 00:16:40,900

the system in a sparkly costume but with

425

00:16:45,900 --> 00:16:42,550

a hoe Street magic figure out of course

426

00:16:47,070 --> 00:16:45,910

a rabbit I had you know that the with

427

00:16:48,420 --> 00:16:47,080

the whole kind of street magic for you

428

00:16:50,460 --> 00:16:48,430

on TV that we kind of kicked off

429

00:16:53,519 --> 00:16:50,470

whenever it was supposed about 15 years

430

00:16:55,710 --> 00:16:53,529

ago now it's all the somebody's a little

431

00:16:57,150 --> 00:16:55,720

bit cool again you know so but yeah I'd

432

00:16:58,829 --> 00:16:57,160

like to get back to Australia but I'm

433

00:17:00,690 --> 00:16:58,839

trying to do a bit more acting now and

434

00:17:04,110 --> 00:17:00,700

I'd like to come back and do probably

435

00:17:05,970 --> 00:17:04,120

Adelaide's maybe maybe next year or if

436

00:17:07,860 --> 00:17:05,980

not a year after you know it's probably

437

00:17:10,800 --> 00:17:07,870

everything's booked so far ahead because

438

00:17:13,020 --> 00:17:10,810

of the the program and getting stuff

439

00:17:15,720 --> 00:17:13,030

printed and whatever so that even now

440

00:17:18,689 --> 00:17:15,730

for a delay next february it's kind of

441

00:17:20,100 --> 00:17:18,699

get in a bit late you know yeah but but

442

00:17:22,079 --> 00:17:20,110

yeah hopefully get back there before too

443

00:17:23,850 --> 00:17:22,089

long yeah yeah speaking of acting I just

444

00:17:26,490 --> 00:17:23,860

want to mention that you you were the

445

00:17:29,010 --> 00:17:26,500

lead actor in a short video but two

446

00:17:30,750 --> 00:17:29,020

minutes long i think that opened open

447

00:17:33,000 --> 00:17:30,760

proceedings yeah we just think we'll be

448

00:17:34,470 --> 00:17:33,010

on why but it's going to go up I figured

449

00:17:36,570 --> 00:17:34,480

a few days time so you could problems

450

00:17:38,190 --> 00:17:36,580

like by the time this goes goes up

451

00:17:40,560 --> 00:17:38,200

normally will be able to provide a link

452

00:17:42,210 --> 00:17:40,570

it was it was fantastic it was really

453

00:17:43,800 --> 00:17:42,220

really it's very kind of a sort of

454

00:17:45,300 --> 00:17:43,810

skeptical base and I'm not sure anybody

455

00:17:46,860 --> 00:17:45,310

who wasn't a skeptic will get many of

456

00:17:48,750 --> 00:17:46,870

the gags in it but yeah the basic

457

00:17:50,790 --> 00:17:48,760

premise is it's me in the hotel where we

458

00:17:52,590 --> 00:17:50,800

are now waking up and getting up and get

459

00:17:55,230 --> 00:17:52,600

ready for the conference you know but

460

00:17:57,090 --> 00:17:55,240

lots of sort of in gags and was quite

461

00:17:58,710 --> 00:17:57,100

funny we actually confession now we

462

00:18:00,090 --> 00:17:58,720

actually shot welcome to my world of

463

00:18:02,130 --> 00:18:00,100

deceit but we actually shot the video in

464

00:18:03,870 --> 00:18:02,140

London yeah it wasn't this hotel and

465

00:18:06,210 --> 00:18:03,880

it's quite funny because we had a small

466

00:18:08,640 --> 00:18:06,220

crew there and the hotel said you know

467

00:18:09,720 --> 00:18:08,650

probably better that you don't filming

468

00:18:11,070 --> 00:18:09,730

the coroner's because they're just the

469

00:18:12,390 --> 00:18:11,080

guests will wonder what's going I'm sure

470

00:18:14,010 --> 00:18:12,400

enough we've filmed a bit in the coroner

471

00:18:17,160 --> 00:18:14,020

and I think everyone thought it was a

472

00:18:19,050 --> 00:18:17,170

gay porn shoot I'm wearing I worry my

473

00:18:20,669 --> 00:18:19,060

bedroom gear and there's four guys at a

474

00:18:24,210 --> 00:18:20,679

camera in the bedroom you know what

475

00:18:28,560 --> 00:18:24,220

could be going on here okay funny enough

476

00:18:29,850 --> 00:18:28,570

the main one afterwards well thank you

477

00:18:31,869 --> 00:18:29,860

very much for being on the skipped exam

478

00:18:39,189 --> 00:18:31,879

absolute pleasure thank you

479

00:18:41,499 --> 00:18:39,199

so sorry can we go now on Belfast FM we

480

00:18:43,659 --> 00:18:41,509

turn to the person lads easygoing and

481

00:18:45,879 --> 00:18:43,669

confident skeptic seeks other critical

482

00:18:48,249 --> 00:18:45,889

thinkers for fun laughter and good times

483

00:18:50,649 --> 00:18:48,259

must be willing to apply logic liberally

484

00:18:52,779 --> 00:18:50,659

and a good listener expect something new

485

00:18:54,459 --> 00:18:52,789

and interesting every month come on meet

486

00:18:56,169 --> 00:18:54,469

me in Belfast in Northern Ireland if

487

00:18:59,589 --> 00:18:56,179

this sounds like you check out my

488

00:19:08,919 --> 00:18:59,599

profile on Belfast skeptics calm music

489

00:19:10,869 --> 00:19:08,929

by Kevin MacLeod welcome to awaken

490

00:19:13,689 --> 00:19:10,879

science from arias bringing you the

491

00:19:16,479 --> 00:19:13,699

science news you need to know ken

492

00:19:18,939 --> 00:19:16,489

misinformation kill when it comes to

493

00:19:20,019 --> 00:19:18,949

vaccinations most definitely it's time

494

00:19:25,779 --> 00:19:20,029

to take a look at some of those

495

00:19:28,569 --> 00:19:25,789

anti-vaccination myths perhaps the most

496

00:19:31,479 --> 00:19:28,579

enduring myth about vaccinations is a

497

00:19:34,779 --> 00:19:31,489

link between the MMR vaccine and autism

498

00:19:36,519 --> 00:19:34,789

it all originated from a 1998 paper

499

00:19:38,889 --> 00:19:36,529

published in the British Medical Journal

500

00:19:41,949 --> 00:19:38,899

The Lancet by surgeon and medical

501
00:19:43,899 --> 00:19:41,959
researcher Andrew Wakefield Wakefield

502
00:19:45,969 --> 00:19:43,909
claimed a link between the vaccine that

503
00:19:48,969 --> 00:19:45,979
protects against measles mumps and

504
00:19:51,249 --> 00:19:48,979
rubella or MMR and the incidence of

505
00:19:53,859 --> 00:19:51,259
autism the paper has since been

506
00:19:56,139 --> 00:19:53,869
discredited retracted and described as

507
00:19:58,509 --> 00:19:56,149
fraudulent we now know that Wakefield

508
00:20:00,930 --> 00:19:58,519
had several undeclared conflicts of

509
00:20:03,789 --> 00:20:00,940
interest and he manipulated the data

510
00:20:06,129 --> 00:20:03,799
extensive independent tests have failed

511
00:20:09,990 --> 00:20:06,139
to replicate the results or show any

512
00:20:12,970 --> 00:20:10,000
links between the vaccine and autism

513
00:20:15,160 --> 00:20:12,980

it's also been claimed that vaccines

514

00:20:18,250 --> 00:20:15,170

contain all kinds of toxins including

515

00:20:20,680 --> 00:20:18,260

mercury the mercury myth stems from the

516

00:20:24,070 --> 00:20:20,690

use of the preservative thiomersal in

517

00:20:26,800 --> 00:20:24,080

some vaccines thiomersal does contain

518

00:20:28,960 --> 00:20:26,810

mercury but the dose in a vaccine is so

519

00:20:31,570 --> 00:20:28,970

low that extensive testing has shown

520

00:20:34,000 --> 00:20:31,580

that it's not considered harmful but

521

00:20:36,010 --> 00:20:34,010

just to be sure it was removed from the

522

00:20:39,040 --> 00:20:36,020

production of all childhood vaccines in

523

00:20:41,980 --> 00:20:39,050

Australia in two thousand so there is no

524

00:20:43,900 --> 00:20:41,990

mercury in any modern vaccines given to

525

00:20:45,760 --> 00:20:43,910

children the National Center for

526
00:20:48,040 --> 00:20:45,770
immunization research and surveillance

527
00:20:50,110 --> 00:20:48,050
list 16 diseases that a vaccine

528
00:20:51,970 --> 00:20:50,120
preventable and notes that in recent

529
00:20:54,490 --> 00:20:51,980
years they have been increasing in

530
00:20:56,920 --> 00:20:54,500
Australia as more people choose not to

531
00:21:00,130 --> 00:20:56,930
have their children immunized this has

532
00:21:02,080 --> 00:21:00,140
led to several deaths and now for fast

533
00:21:06,880 --> 00:21:02,090
facts that counter anti-vaccination

534
00:21:09,430 --> 00:21:06,890
myths the eradication of smallpox and

535
00:21:11,980 --> 00:21:09,440
polio does not mean that we can stop

536
00:21:13,620 --> 00:21:11,990
vaccinating for them no vaccination is

537
00:21:16,330 --> 00:21:13,630
one hundred percent effective a

538
00:21:18,580 --> 00:21:16,340

vaccinated person is actually more

539

00:21:21,490 --> 00:21:18,590

likely to catch the disease but the

540

00:21:23,890 --> 00:21:21,500

effects will be much less vaccines do

541

00:21:26,280 --> 00:21:23,900

not weaken or overwhelm the immune

542

00:21:29,740 --> 00:21:26,290

system they actually strengthen it and

543

00:21:31,290 --> 00:21:29,750

vaccines are not unnatural they work by

544

00:21:36,340 --> 00:21:31,300

stimulating the body's immune system

545

00:21:38,290 --> 00:21:36,350

using naturally-occurring agents that's

546

00:21:40,420 --> 00:21:38,300

it for this week in science for more

547

00:21:44,040 --> 00:21:40,430

information on vaccination myths go to

548

00:21:47,680 --> 00:21:44,050

the our oils website raa us or go you

549

00:21:50,380 --> 00:21:47,690

follow us on twitter at our iOS and like

550

00:22:00,190 --> 00:21:50,390

us on facebook i'm paul willis and we'll

551

00:22:07,870 --> 00:22:04,159

hey Kenny oh hi Tom I save this park

552

00:22:10,310 --> 00:22:07,880

yeah yes great weather oh look a unicorn

553

00:22:13,490 --> 00:22:10,320

unicorn there are no such things as

554

00:22:15,650 --> 00:22:13,500

unicorns silly yes there is no there

555

00:22:17,919 --> 00:22:15,660

isn't hey guys what are you arguing

556

00:22:20,930 --> 00:22:17,929

about tom thinks unicorns are real

557

00:22:24,049 --> 00:22:20,940

thanks so are let's look us up in the

558

00:22:25,789 --> 00:22:24,059

skeptics dictionary now what how can we

559

00:22:27,470 --> 00:22:25,799

do this in this park there is the

560

00:22:29,210 --> 00:22:27,480

computer here you guys probably don't

561

00:22:32,270 --> 00:22:29,220

know about the skeptics dictionary app

562

00:22:36,200 --> 00:22:32,280

available now for iPhone iPad and iPod

563

00:22:37,760 --> 00:22:36,210

touch in the App Store Wow cool the app

564

00:22:39,950 --> 00:22:37,770

lets you access all of the great

565

00:22:42,530 --> 00:22:39,960

skeptics dictionary articles when you're

566

00:22:45,260 --> 00:22:42,540

on the go here let me look up unicorns

567

00:22:47,780 --> 00:22:45,270

found cool Kenny prepare to be proven

568

00:22:51,919 --> 00:22:47,790

wrong it says here the Unicorn is a

569

00:22:53,180 --> 00:22:51,929

creature from fables aha actually I see

570

00:22:55,789 --> 00:22:53,190

now that someone just dumped their ice

571

00:23:06,710 --> 00:22:55,799

cream cone on that horse's head thanks

572

00:23:17,930 --> 00:23:10,630

what we want some more evidence please

573

00:23:25,260 --> 00:23:21,600

hello this is Joe alabaster from the

574

00:23:29,910 --> 00:23:25,270

courier-mail April 22nd 2014 by Paul

575

00:23:32,130 --> 00:23:29,920

svet I learned a lot this past week for

576

00:23:33,890 --> 00:23:32,140

starters and I suspect many readers will

577

00:23:36,300 --> 00:23:33,900

be delighted to be apprised of this

578

00:23:39,570 --> 00:23:36,310

apparently I am henceforth to be known

579

00:23:42,720 --> 00:23:39,580

as Paul quote smegma head end quote

580

00:23:45,840 --> 00:23:42,730

separate and queensland's chief medical

581

00:23:48,530 --> 00:23:45,850

officer dr. Jeanette young is quote dr.

582

00:23:50,970 --> 00:23:48,540

death the super quack end quote

583

00:23:53,910 --> 00:23:50,980

according to read a terry of Caboolture

584

00:23:55,950 --> 00:23:53,920

quote flawed genetic input from every

585

00:23:58,350 --> 00:23:55,960

mating on all familial lines from the

586

00:24:00,300 --> 00:23:58,360

original primordial ooze up to the

587

00:24:02,160 --> 00:24:00,310

unwanted scourge arrival of this power

588

00:24:04,470 --> 00:24:02,170

would be required to produce these to

589

00:24:06,660 --> 00:24:04,480

consummate duds is this the only

590

00:24:10,430 --> 00:24:06,670

explanation for their overt display of

591

00:24:12,870 --> 00:24:10,440

psychopathic excesses end quote wow

592

00:24:15,420 --> 00:24:12,880

there's a good B movie script lurking in

593

00:24:17,310 --> 00:24:15,430

there somewhere at least unlike a lot of

594

00:24:19,860 --> 00:24:17,320

correspondence in recent days from

595

00:24:21,540 --> 00:24:19,870

various anti-vaccination cranks the

596

00:24:23,610 --> 00:24:21,550

missive was not written in very sassy

597

00:24:27,420 --> 00:24:23,620

block capitals with the tendon

598

00:24:28,680 --> 00:24:27,430

highlighting my crime was to write in

599

00:24:30,750 --> 00:24:28,690

support of the science that

600

00:24:32,880 --> 00:24:30,760

unequivocally demonstrates the benefits

601
00:24:34,830 --> 00:24:32,890
of vaccination against preventable and

602
00:24:36,780 --> 00:24:34,840
sometimes deadly diseases such as

603
00:24:38,490 --> 00:24:36,790
whooping cough and measles and to

604
00:24:40,470 --> 00:24:38,500
question the misleading and sometimes

605
00:24:42,810 --> 00:24:40,480
fanciful adjectives disseminated by the

606
00:24:44,460 --> 00:24:42,820
anti facts of Angeles thankfully have

607
00:24:46,740 --> 00:24:44,470
since been bombarded with a wealth of

608
00:24:49,380 --> 00:24:46,750
eclectic literature much of it helpfully

609
00:24:51,480 --> 00:24:49,390
underlined or marked in bold seeking to

610
00:24:54,780 --> 00:24:51,490
correct my clearly errant acceptance of

611
00:24:57,270 --> 00:24:54,790
modern medicine did you know for example

612
00:25:01,100 --> 00:24:57,280
the vaccines are responsible for their

613
00:25:05,000 --> 00:25:01,110

quote peanut allergy epidemic end quote

614

00:25:07,350 --> 00:25:05,010

which is a product of a quote

615

00:25:10,890 --> 00:25:07,360

pharmaceutical medical media and

616

00:25:14,820 --> 00:25:10,900

government cover-up end quote true fact

617

00:25:16,860 --> 00:25:14,830

or did you realize that the science

618

00:25:18,990 --> 00:25:16,870

behind herd immunity where group

619

00:25:20,970 --> 00:25:19,000

immunity reaches a level usually above

620

00:25:22,620 --> 00:25:20,980

ninety percent that makes wide scale

621

00:25:26,730 --> 00:25:22,630

transmission of a particular disease

622

00:25:28,470 --> 00:25:26,740

very difficult is absolute bunk I also

623

00:25:29,330 --> 00:25:28,480

learnt vaccinations actually make

624

00:25:31,700 --> 00:25:29,340

children much

625

00:25:33,550 --> 00:25:31,710

I'm prone to various illnesses than

626
00:25:36,470 --> 00:25:33,560
those kids who haven't had a job I

627
00:25:39,890 --> 00:25:36,480
learned this in an email that referred

628
00:25:43,060 --> 00:25:39,900
me to a quote study end quote done by a

629
00:25:45,670 --> 00:25:43,070
German homeopathic practitioner who

630
00:25:50,750 --> 00:25:45,680
conducted an Internet questionnaire

631
00:25:52,640 --> 00:25:50,760
proof worse there are apparently more

632
00:25:54,860 --> 00:25:52,650
sinister forces at work and drug

633
00:25:57,500 --> 00:25:54,870
companies designed vaccines to fail and

634
00:26:01,760 --> 00:25:57,510
actively create pandemics to boost their

635
00:26:03,860 --> 00:26:01,770
vaccine sales quote epidemics are a

636
00:26:05,870 --> 00:26:03,870
marketing tool to create demand for a

637
00:26:07,490 --> 00:26:05,880
profitable product that people can be

638
00:26:09,740 --> 00:26:07,500

convinced to purchase over and over

639

00:26:12,440 --> 00:26:09,750

again year after year whether it works

640

00:26:15,050 --> 00:26:12,450

or not and how do you create that demand

641

00:26:17,080 --> 00:26:15,060

you engineer an epidemic by making sure

642

00:26:19,700 --> 00:26:17,090

your own vaccine products don't work

643

00:26:22,040 --> 00:26:19,710

fear drives people to get vaccinated so

644

00:26:26,600 --> 00:26:22,050

fear is used as the primary marketing

645

00:26:29,960 --> 00:26:26,610

tool end quote this can all be found on

646

00:26:31,640 --> 00:26:29,970

one quote news and quote website to

647

00:26:33,740 --> 00:26:31,650

which several anti-vaxxers helpfully

648

00:26:37,040 --> 00:26:33,750

directed me we can also find information

649

00:26:39,410 --> 00:26:37,050

such as quote scientists warn the rise

650

00:26:43,310 --> 00:26:39,420

of aluminium will lead to extinction of

651
00:26:46,040 --> 00:26:43,320
humankind end quote and quote Malaysia

652
00:26:50,150 --> 00:26:46,050
Airlines flight 370 now clearly a

653
00:26:52,430 --> 00:26:50,160
government cover-up end quote it is I'm

654
00:26:56,150 --> 00:26:52,440
afraid to concede halt a conspiracy and

655
00:26:59,000 --> 00:26:56,160
as one reader wrote quote the wh 0 in

656
00:27:00,950 --> 00:26:59,010
CDC are all part of it to stirring up a

657
00:27:04,760 --> 00:27:00,960
rational fear and panic like they did

658
00:27:07,580 --> 00:27:04,770
with the h5n1 virus a few years ago it

659
00:27:09,260 --> 00:27:07,590
turns out that wh 0 panel members

660
00:27:11,810 --> 00:27:09,270
received kickbacks from drug companies

661
00:27:16,520 --> 00:27:11,820
to engineer these anti science scare

662
00:27:19,040 --> 00:27:16,530
stories and quote learnt we shouldn't be

663
00:27:21,170 --> 00:27:19,050

too hard on conspiracy theorists for as

664

00:27:24,110 --> 00:27:21,180

ready Jake who took issue with my use of

665

00:27:26,060 --> 00:27:24,120

the term wing nuts once there are very

666

00:27:27,980 --> 00:27:26,070

valid questions to be asked about the

667

00:27:30,230 --> 00:27:27,990

push for the one world government the

668

00:27:32,180 --> 00:27:30,240

origins of fluoridation of water in Nazi

669

00:27:34,580 --> 00:27:32,190

concentration camps and the real

670

00:27:38,390 --> 00:27:34,590

circumstances of the 911 terror attacks

671

00:27:39,950 --> 00:27:38,400

the truth as they say is out there but

672

00:27:41,270 --> 00:27:39,960

you certainly won't find it talking to

673

00:27:44,940 --> 00:27:41,280

the religious cult that is the

674

00:27:44,950 --> 00:27:51,820

you

675

00:27:51,830 --> 00:27:59,930

in a world where the truth is a matter

676

00:28:07,869 --> 00:28:03,289

your messages are a scene for beyond the

677

00:28:07,879 --> 00:28:13,919

and reason is sidelined for magical sync

678

00:28:13,929 --> 00:28:19,549

only three men stand between the truth

679

00:28:24,720 --> 00:28:23,310

what date is it 78 several thing this is

680

00:28:26,369 --> 00:28:24,730

impressive it's beating our system

681

00:28:29,190 --> 00:28:26,379

present they're not their photographs of

682

00:28:31,230 --> 00:28:29,200

Chinese anthem it's not we are not well

683

00:28:32,999 --> 00:28:31,240

received is a good guard we're fully

684

00:28:34,769 --> 00:28:33,009

don't discuss cryptozoology on the show

685

00:28:36,810 --> 00:28:34,779

very often because we don't know

686

00:28:38,609 --> 00:28:36,820

anything about how the truth the price

687

00:28:40,440 --> 00:28:38,619

gets lower and lower and lower and then

688

00:28:44,759 --> 00:28:40,450

he hits the ceiling it's a ceiling for

689

00:28:46,590 --> 00:28:44,769

the room below skeptic to the cave for

690

00:28:59,520 --> 00:28:46,600

the Merseyside skeptics society find us

691

00:29:03,210 --> 00:29:01,080

joining me now all the way from

692

00:29:06,360 --> 00:29:03,220

beautiful Adelaide in South Australia

693

00:29:09,480 --> 00:29:06,370

the voice you know so well it's dr. Paul

694

00:29:11,430 --> 00:29:09,490

Willis from our IRS hello Paul hey

695

00:29:13,830 --> 00:29:11,440

Richard you're looking younger and

696

00:29:16,290 --> 00:29:13,840

younger every time I see you on skype oh

697

00:29:21,660 --> 00:29:16,300

how embarrassing I wasn't quite ready to

698

00:29:23,490 --> 00:29:21,670

be viewed the day you got and your look

699

00:29:26,280 --> 00:29:23,500

you you're looking just the same I don't

700

00:29:30,150 --> 00:29:26,290

know if that's a compliment or what yeah

701
00:29:32,280 --> 00:29:30,160
what do believe that one right there now

702
00:29:33,360 --> 00:29:32,290
what an exciting time you've had lately

703
00:29:34,500 --> 00:29:33,370
we're going to be talking about all

704
00:29:37,500 --> 00:29:34,510
sorts of interesting things what's

705
00:29:39,720 --> 00:29:37,510
happening at our IRS Doctor Who your

706
00:29:41,430 --> 00:29:39,730
this which is very exciting and what big

707
00:29:43,320 --> 00:29:41,440
doctor who fan but you've only

708
00:29:45,300 --> 00:29:43,330
relatively recently come back from

709
00:29:48,180 --> 00:29:45,310
somewhere that I've always wanted to go

710
00:29:51,270 --> 00:29:48,190
the Antarctic what were you doing there

711
00:29:54,090 --> 00:29:51,280
and what did you find this this is one

712
00:29:56,220 --> 00:29:54,100
of my semi regular Julius down to

713
00:30:02,730 --> 00:29:56,230

Antarctica it was my eighth time down

714

00:30:06,510 --> 00:30:02,740

there I go along with a sewer company as

715

00:30:08,520 --> 00:30:06,520

their expert guide to show tourists the

716

00:30:11,580 --> 00:30:08,530

fossils that are found on the Antarctic

717

00:30:13,380 --> 00:30:11,590

Peninsula but this time was a bit

718

00:30:18,270 --> 00:30:13,390

different from the previous trips in a

719

00:30:20,670 --> 00:30:18,280

number of ways firstly the areas that we

720

00:30:22,440 --> 00:30:20,680

wanted to get into where the fossils are

721

00:30:27,060 --> 00:30:22,450

we couldn't get anywhere near because

722

00:30:30,900 --> 00:30:27,070

the ice was so bad secondly this trip

723

00:30:33,420 --> 00:30:30,910

was actually more focused on going in

724

00:30:35,400 --> 00:30:33,430

the footsteps of ernest Shackleton so we

725

00:30:37,380 --> 00:30:35,410

went from the Antarctic Peninsula across

726
00:30:40,800 --> 00:30:37,390
the South Georgia as my first time there

727
00:30:44,670 --> 00:30:40,810
and then back through the Falklands to

728
00:30:47,010 --> 00:30:44,680
South America so there was that was all

729
00:30:48,690 --> 00:30:47,020
new to me and another thing that was

730
00:30:52,230 --> 00:30:48,700
different this time around was I got to

731
00:30:55,170 --> 00:30:52,240
take my eight-year-old son Chester trip

732
00:30:59,340 --> 00:30:55,180
of a lifetime and I still don't think

733
00:31:00,780 --> 00:30:59,350
the Penguins know what what a thrill for

734
00:31:04,830 --> 00:31:00,790
an eight-year-old what a thrill for any

735
00:31:07,110 --> 00:31:04,840
age I would think we see stories and on

736
00:31:09,090 --> 00:31:07,120
TV even see documentaries and reports

737
00:31:13,539 --> 00:31:09,100
people sailing down to the Antarctic and

738
00:31:15,070 --> 00:31:13,549

they're just gobsmacked by the icebergs

739

00:31:18,249 --> 00:31:15,080

the first encounter the icebergs do you

740

00:31:20,590 --> 00:31:18,259

still get that oh yeah but Antarctica

741

00:31:22,210 --> 00:31:20,600

steals a part of your heart never gives

742

00:31:26,830 --> 00:31:22,220

it back every time you go down there

743

00:31:28,930 --> 00:31:26,840

it's gobsmacking you beautiful but this

744

00:31:30,879 --> 00:31:28,940

time round getting to see South Georgia

745

00:31:35,019 --> 00:31:30,889

for the first time that is also a

746

00:31:37,269 --> 00:31:35,029

gorgeous place very hard but i nicknamed

747

00:31:41,289 --> 00:31:37,279

it switzerland on sea because you know

748

00:31:44,190 --> 00:31:41,299

you've got 3,000 meter peaks thrusting

749

00:31:47,499 --> 00:31:44,200

straight out of the Southern Ocean and

750

00:31:49,899 --> 00:31:47,509

crested fringed with hundreds of

751
00:31:52,779 --> 00:31:49,909
thousands of king penguins and baby fur

752
00:31:56,409 --> 00:31:52,789
seals it just absolutely an amazing

753
00:31:59,440 --> 00:31:56,419
place wow you're making me jealous

754
00:32:01,210 --> 00:31:59,450
absolutely but I find this whole idea of

755
00:32:03,789 --> 00:32:01,220
a continent full of fossils so

756
00:32:06,009 --> 00:32:03,799
interesting and you tell the story at

757
00:32:07,479 --> 00:32:06,019
once of course that you want them down

758
00:32:12,090 --> 00:32:07,489
there one of your many adventures and

759
00:32:16,029 --> 00:32:12,100
found a plesiosaur yeah it's not as if

760
00:32:18,700 --> 00:32:16,039
Antarctica is carpeted with fossils but

761
00:32:20,919 --> 00:32:18,710
there are some very special islands on

762
00:32:23,830 --> 00:32:20,929
the eastern side of the Antarctic

763
00:32:25,810 --> 00:32:23,840

Peninsula where there are a number of

764

00:32:28,060 --> 00:32:25,820

different types of fossils from a number

765

00:32:30,609 --> 00:32:28,070

of different ages but the ones that I'm

766

00:32:32,619 --> 00:32:30,619

particularly interested in from the

767

00:32:35,340 --> 00:32:32,629

latest Cretaceous period so really at

768

00:32:37,960 --> 00:32:35,350

the end of the age of the dinosaurs and

769

00:32:41,379 --> 00:32:37,970

you know you can literally be walking

770

00:32:44,830 --> 00:32:41,389

across an ancient seabed which is

771

00:32:47,889 --> 00:32:44,840

carpeted in fossils of various types of

772

00:32:51,340 --> 00:32:47,899

shells of marine snails and plants and

773

00:32:54,039 --> 00:32:51,350

then suddenly they stopped and that line

774

00:32:56,259 --> 00:32:54,049

in the dirt where they stopped that's

775

00:32:59,080 --> 00:32:56,269

when the meteorite here that's when the

776

00:33:02,499 --> 00:32:59,090

dinosaurs were wiped out and survey able

777

00:33:05,200 --> 00:33:02,509

to actually see firsthand an event that

778

00:33:07,269 --> 00:33:05,210

happened 65 million years ago yeah the

779

00:33:11,489 --> 00:33:07,279

best says they've chill down my spine

780

00:33:13,779 --> 00:33:11,499

every time I can't help that wonder what

781

00:33:17,289 --> 00:33:13,789

amazing things are yet to be discovered

782

00:33:19,330 --> 00:33:17,299

in the Antarctic I mean new animals

783

00:33:21,299 --> 00:33:19,340

unknown to science it's this just

784

00:33:24,690 --> 00:33:21,309

boggles the mind

785

00:33:26,460 --> 00:33:24,700

yeah and you know as they're exploring

786

00:33:27,840 --> 00:33:26,470

around there particularly underwater

787

00:33:30,779 --> 00:33:27,850

they're finding all kinds of interesting

788

00:33:33,330 --> 00:33:30,789

things it was only a few years back

789

00:33:35,909 --> 00:33:33,340

about five years ago that they found

790

00:33:37,529 --> 00:33:35,919

something that they think they're still

791

00:33:42,330 --> 00:33:37,539

not quite sure but that I think is

792

00:33:45,330 --> 00:33:42,340

actually a related to grata lights now

793

00:33:47,639 --> 00:33:45,340

grab delights of fossils that were

794

00:33:53,940 --> 00:33:47,649

particularly under in the Ordovician

795

00:33:56,759 --> 00:33:53,950

period so you know that 482 510 million

796

00:34:01,710 --> 00:33:56,769

years ago a really old top period they

797

00:34:04,379 --> 00:34:01,720

were so abundant in that period that you

798

00:34:06,419 --> 00:34:04,389

can actually date the the the various

799

00:34:08,490 --> 00:34:06,429

layers of that period by the different

800

00:34:11,700 --> 00:34:08,500

types of data life that a famine it and

801
00:34:13,889 --> 00:34:11,710
then they just disappear so you don't

802
00:34:18,030 --> 00:34:13,899
find them in the fossil record at all

803
00:34:20,250 --> 00:34:18,040
after that very early period and then a

804
00:34:23,520 --> 00:34:20,260
couple of years back they found what

805
00:34:27,930 --> 00:34:23,530
they think is a living one of under the

806
00:34:30,540 --> 00:34:27,940
ocean of Antarctica so you know yes

807
00:34:32,339 --> 00:34:30,550
you're dead right there's still lots and

808
00:34:34,859 --> 00:34:32,349
lots of stuff to be discovered down

809
00:34:38,010 --> 00:34:34,869
there both as fossils and as living

810
00:34:40,440 --> 00:34:38,020
creatures and carnivals and of course

811
00:34:42,180 --> 00:34:40,450
when you go down as during the summer

812
00:34:43,589 --> 00:34:42,190
period in the southern hemisphere you

813
00:34:47,309 --> 00:34:43,599

can't really go down there in the winter

814

00:34:50,609 --> 00:34:47,319

time is it bloody freezing cold down

815

00:34:54,030 --> 00:34:50,619

there even in the summertime I know this

816

00:34:57,390 --> 00:34:54,040

sounds incredibly stupid of me Richard

817

00:35:00,300 --> 00:34:57,400

but something I'd forgotten that i was

818

00:35:03,839 --> 00:35:00,310

reminded forcefully this tree was how

819

00:35:07,440 --> 00:35:03,849

cold antar degrees its body cold and

820

00:35:11,520 --> 00:35:07,450

it's the kind of penetrating coal I mean

821

00:35:14,010 --> 00:35:11,530

I say is bloody cold but you know I

822

00:35:16,410 --> 00:35:14,020

don't think we got down below minus 10

823

00:35:18,480 --> 00:35:16,420

at any part of this trip not with

824

00:35:21,960 --> 00:35:18,490

windchill that connect me awfully cold

825

00:35:24,150 --> 00:35:21,970

and it's that kind of cold that cuts

826

00:35:26,940 --> 00:35:24,160

through to the bone you know it's not

827

00:35:31,140 --> 00:35:26,950

just a cold environment it's a cold

828

00:35:33,100 --> 00:35:31,150

internal a horrible thing yeah but you

829

00:35:35,410 --> 00:35:33,110

know you don't

830

00:35:38,380 --> 00:35:35,420

can go down there prepared you rubbed up

831

00:35:40,750 --> 00:35:38,390

you have the the gear to withstand there

832

00:35:43,240 --> 00:35:40,760

and even that it's worse you know you're

833

00:35:44,740 --> 00:35:43,250

only exposed to it for now or so and

834

00:35:47,680 --> 00:35:44,750

then you're back on board a nice warm

835

00:35:50,680 --> 00:35:47,690

boat I don't know gmt watch any icebergs

836

00:35:53,410 --> 00:35:50,690

float past so it really is the the

837

00:35:55,390 --> 00:35:53,420

gentle way of a senior well the people

838

00:35:56,770 --> 00:35:55,400

who are lucky enough to be your friends

839

00:35:59,170 --> 00:35:56,780

on Facebook would have seen various

840

00:36:00,910 --> 00:35:59,180

photographs come back from that part of

841

00:36:03,400 --> 00:36:00,920

the world which is fascinating and I

842

00:36:05,710 --> 00:36:03,410

noticed you took down your your hat with

843

00:36:08,800 --> 00:36:05,720

the moose ears on it again yeah yeah

844

00:36:12,220 --> 00:36:08,810

that's my dragon hat I found that in New

845

00:36:14,350 --> 00:36:12,230

Zealand many years ago well I mean what

846

00:36:18,550 --> 00:36:14,360

people ask me why do I wear the dragon

847

00:36:21,460 --> 00:36:18,560

hat it keeps my head warm but also you

848

00:36:24,310 --> 00:36:21,470

know there are there is a another

849

00:36:26,400 --> 00:36:24,320

practical reason for wearing that and

850

00:36:29,710 --> 00:36:26,410

that is that when we're out actually

851

00:36:33,190 --> 00:36:29,720

crossing various islands looking for

852

00:36:35,620 --> 00:36:33,200

fossils and you know we'll have 50 or

853

00:36:37,990 --> 00:36:35,630

people spread out over quite an area and

854

00:36:39,700 --> 00:36:38,000

I'm the only player and soldier salon

855

00:36:42,580 --> 00:36:39,710

and they're finding things and they want

856

00:36:45,300 --> 00:36:42,590

to find me in a hurry to be able to to

857

00:36:48,280 --> 00:36:45,310

identify what it is that they found and

858

00:36:51,670 --> 00:36:48,290

what I've got that hat on everybody

859

00:36:54,820 --> 00:36:51,680

knows where to help I am well there you

860

00:36:56,770 --> 00:36:54,830

are and has a very practical point to it

861

00:36:59,260 --> 00:36:56,780

you were wearing that had a couple of

862

00:37:01,540 --> 00:36:59,270

years ago when you made a video to help

863

00:37:03,790 --> 00:37:01,550

the 10 23 campaign the anti homeopathy

864

00:37:07,330 --> 00:37:03,800

campaign and you're the person who has

865

00:37:10,360 --> 00:37:07,340

overdosed on homeopathy in further south

866

00:37:13,630 --> 00:37:10,370

than anybody else I think yes that was

867

00:37:17,560 --> 00:37:13,640

that was quite a coup that with that

868

00:37:19,810 --> 00:37:17,570

there was that international event yeah

869

00:37:24,420 --> 00:37:19,820

if people trying to overdose on

870

00:37:27,550 --> 00:37:24,430

homeopathic remedies and someone said

871

00:37:31,420 --> 00:37:27,560

we've got every continent covered except

872

00:37:34,020 --> 00:37:31,430

Antarctica I said I'm going to

873

00:37:37,600 --> 00:37:34,030

Antarctica probably there on the on the

874

00:37:39,400 --> 00:37:37,610

challenge today so yeah we actually had

875

00:37:41,320 --> 00:37:39,410

a lot of fun with that I think the bit

876

00:37:43,770 --> 00:37:41,330

that the best part was the ship's doctor

877

00:37:46,350 --> 00:37:43,780

got involved

878

00:37:49,380 --> 00:37:46,360

to be involved and he was standing by

879

00:37:51,240 --> 00:37:49,390

with the defibrillator something went

880

00:37:53,520 --> 00:37:51,250

wrong but in the best spirit of

881

00:37:56,340 --> 00:37:53,530

homeopathy we didn't plug the

882

00:37:58,500 --> 00:37:56,350

defibrillator in expecting it to work on

883

00:38:02,040 --> 00:37:58,510

the memory of electrons having passed

884

00:38:03,930 --> 00:38:02,050

through its system so yeah it was a bit

885

00:38:05,340 --> 00:38:03,940

of fun it was a bit naughty what's good

886

00:38:07,200 --> 00:38:05,350

out with that was good fun because I

887

00:38:08,790 --> 00:38:07,210

remember you just got back to Australia

888

00:38:11,040 --> 00:38:08,800

you came around to my place with the raw

889

00:38:12,990 --> 00:38:11,050

tape and we added that little video on

890

00:38:14,760 --> 00:38:13,000

the spot I'll link to that video in the

891

00:38:16,830 --> 00:38:14,770

show notes for this week's episode but

892

00:38:18,420 --> 00:38:16,840

now let's talk about things closer to

893

00:38:19,860 --> 00:38:18,430

home let's talk about the goings on at

894

00:38:23,010 --> 00:38:19,870

the moment at the Royal Institution of

895

00:38:24,620 --> 00:38:23,020

Australia at [www r-ia us dot org](http://www.r-ia.us.org) today

896

00:38:27,480 --> 00:38:24,630

you as my listeners know very well

897

00:38:33,720 --> 00:38:27,490

what's this about Doctor Who tell me

898

00:38:35,520 --> 00:38:33,730

more look it's a long strange story as

899

00:38:38,640 --> 00:38:35,530

to how it came about but essentially

900

00:38:43,380 --> 00:38:38,650

we've teamed up with BBC worldwide and

901
00:38:45,690 --> 00:38:43,390
we are taking a public event on the road

902
00:38:47,730 --> 00:38:45,700
across Australia we're going to Perth

903
00:38:51,000 --> 00:38:47,740
we're going to Brisbane we're doing

904
00:38:53,490 --> 00:38:51,010
shows here in adelaide shows in sydney

905
00:38:55,710 --> 00:38:53,500
and in melbourne and there's already

906
00:38:59,160 --> 00:38:55,720
plans to go around some of the smaller

907
00:39:01,770 --> 00:38:59,170
regional centers as well essentially

908
00:39:06,270 --> 00:39:01,780
it's a show that looks at the science of

909
00:39:09,150 --> 00:39:06,280
Doctor Who and we've got a rob lloyd is

910
00:39:11,610 --> 00:39:09,160
a comedian who is actually the host of

911
00:39:13,800 --> 00:39:11,620
the evening and we've got a lineup of

912
00:39:16,710 --> 00:39:13,810
top-notch scientists talking about

913
00:39:18,330 --> 00:39:16,720

things like regeneration the TARDIS can

914

00:39:21,780 --> 00:39:18,340

something actually be bigger on the

915

00:39:24,360 --> 00:39:21,790

inside than the out life on other

916

00:39:27,180 --> 00:39:24,370

planets is extraterrestrial life and

917

00:39:31,380 --> 00:39:27,190

time travel you know is there actually

918

00:39:34,140 --> 00:39:31,390

any science behind the the way that the

919

00:39:39,120 --> 00:39:34,150

doctor is able to do so flippantly Zach

920

00:39:41,370 --> 00:39:39,130

that means I don't and yet so it's a big

921

00:39:44,790 --> 00:39:41,380

event because we will to working with

922

00:39:47,040 --> 00:39:44,800

the BBC we're allowed to use footage

923

00:39:50,490 --> 00:39:47,050

from the doctor who series to illustrate

924

00:39:53,610 --> 00:39:50,500

the points and look at anybody out there

925

00:39:55,440 --> 00:39:53,620

who's has any interest in Doctor Who and

926

00:39:57,450 --> 00:39:55,450

any interest in science

927

00:39:59,340 --> 00:39:57,460

do yourself a favor there's Molly

928

00:40:01,890 --> 00:39:59,350

Melbourne used to say do yourself a

929

00:40:04,320 --> 00:40:01,900

favor get along and watch the show you

930

00:40:06,900 --> 00:40:04,330

can find full details and book tickets

931

00:40:08,490 --> 00:40:06,910

through the RL website well that's

932

00:40:10,020 --> 00:40:08,500

really exciting pool and I'm so glad

933

00:40:11,760 --> 00:40:10,030

that you're considering or hopefully

934

00:40:16,830 --> 00:40:11,770

going to do regional centers because you

935

00:40:18,510 --> 00:40:16,840

know I grew up in a regional center way

936

00:40:21,630 --> 00:40:18,520

up on the north coast of New South Wales

937

00:40:24,600 --> 00:40:21,640

and we didn't get many things come our

938

00:40:26,870 --> 00:40:24,610

way so I think regional Australia

939

00:40:30,600 --> 00:40:26,880

outreach is very important to that area

940

00:40:34,350 --> 00:40:30,610

yeah and you know it's part of the whole

941

00:40:39,270 --> 00:40:34,360

mission of our oils we're Australia's

942

00:40:41,010 --> 00:40:39,280

only national charity that deals in

943

00:40:45,390 --> 00:40:41,020

science communication and science

944

00:40:48,230 --> 00:40:45,400

engagement and so how do we not only go

945

00:40:50,790 --> 00:40:48,240

to other major cities around the country

946

00:40:52,650 --> 00:40:50,800

but how do we reach to the regional

947

00:40:55,710 --> 00:40:52,660

centres how do we reach the people in

948

00:40:57,540 --> 00:40:55,720

their homes in the outback and the

949

00:41:00,930 --> 00:40:57,550

online environment provides the

950

00:41:02,850 --> 00:41:00,940

opportunity to be able to do that so you

951
00:41:06,450 --> 00:41:02,860
know in the case of the doctor who

952
00:41:08,970 --> 00:41:06,460
series that that is the tool or of blood

953
00:41:12,450 --> 00:41:08,980
events at venues throughout the country

954
00:41:15,240 --> 00:41:12,460
but most of what we're doing our events

955
00:41:18,450 --> 00:41:15,250
most of them held here in adelaide but

956
00:41:21,300 --> 00:41:18,460
we live stream them and we have a full

957
00:41:23,340 --> 00:41:21,310
chat room and twitter back up so that

958
00:41:26,310 --> 00:41:23,350
you can be anywhere in the country and

959
00:41:29,610 --> 00:41:26,320
you can join in on the conversation we

960
00:41:33,120 --> 00:41:29,620
last year we had world vasectomy day yes

961
00:41:36,300 --> 00:41:33,130
he had 17 vasectomies performed in

962
00:41:40,070 --> 00:41:36,310
adelaide in front of our cameras and we

963
00:41:45,870 --> 00:41:40,080

were able to use their opportunity to

964

00:41:48,480 --> 00:41:45,880

talk to people about men's health family

965

00:41:51,540 --> 00:41:48,490

planning and world population problems

966

00:41:54,120 --> 00:41:51,550

and all of that got under that we've

967

00:41:57,150 --> 00:41:54,130

picked up by Reuters and beamed to

968

00:41:59,910 --> 00:41:57,160

newsrooms around the world yeah it's a

969

00:42:02,580 --> 00:41:59,920

huge easy way for us to be able to

970

00:42:04,860 --> 00:42:02,590

communicate with people anywhere in the

971

00:42:07,590 --> 00:42:04,870

country anywhere on the planet and for

972

00:42:08,410 --> 00:42:07,600

them to be able to communicate to us so

973

00:42:10,720 --> 00:42:08,420

it's a gay

974

00:42:12,540 --> 00:42:10,730

it's not just you know someone talking

975

00:42:15,310 --> 00:42:12,550

about their favorite subatomic particle

976

00:42:17,890 --> 00:42:15,320

if we're putting on an event it's an

977

00:42:20,290 --> 00:42:17,900

opportunity for you wherever you are to

978

00:42:23,290 --> 00:42:20,300

be involved in a discussion on that

979

00:42:24,850 --> 00:42:23,300

particular area of science no I think

980

00:42:28,180 --> 00:42:24,860

that's just the ticket to and of course

981

00:42:30,130 --> 00:42:28,190

you're the weekly show you do which is a

982

00:42:32,980 --> 00:42:30,140

video show and an audio show the

983

00:42:34,360 --> 00:42:32,990

weakened science from rirs I listen to

984

00:42:36,190 --> 00:42:34,370

certain you would know it as the audio

985

00:42:38,290 --> 00:42:36,200

version but i'm sure many of them would

986

00:42:40,060 --> 00:42:38,300

also tune in and see the the video

987

00:42:42,580 --> 00:42:40,070

version that i think it's such a

988

00:42:44,500 --> 00:42:42,590

worthwhile endeavor I don't know how

989

00:42:45,970 --> 00:42:44,510

long it takes you each week or the

990

00:42:48,520 --> 00:42:45,980

institution each week to put nap

991

00:42:50,530 --> 00:42:48,530

together but whatever the time is I

992

00:42:51,880 --> 00:42:50,540

think it's it's really great and what

993

00:42:53,740 --> 00:42:51,890

goes for two or three minutes it's

994

00:42:56,290 --> 00:42:53,750

packed full of information and it's an

995

00:42:59,950 --> 00:42:56,300

interesting little science he bit to

996

00:43:01,600 --> 00:42:59,960

round off the week yeah well thank you

997

00:43:05,440 --> 00:43:01,610

very much we're very proud of the week

998

00:43:07,540 --> 00:43:05,450

in science and you know we've got all

999

00:43:11,080 --> 00:43:07,550

the studio facilities to be able to make

1000

00:43:15,130 --> 00:43:11,090

video content so a week in science was

1001
00:43:19,180 --> 00:43:15,140
just a our opportunity to use that

1002
00:43:21,460 --> 00:43:19,190
equipment to make science videos you

1003
00:43:25,660 --> 00:43:21,470
know regular weekly update science

1004
00:43:29,050 --> 00:43:25,670
videos and they've really taken off did

1005
00:43:30,550 --> 00:43:29,060
not just seem through our networks where

1006
00:43:33,040 --> 00:43:30,560
we're getting something around about

1007
00:43:35,140 --> 00:43:33,050
thirty odd thousand views a week of the

1008
00:43:38,320 --> 00:43:35,150
various weeks in science all up across

1009
00:43:43,210 --> 00:43:38,330
various platforms but we've also the

1010
00:43:46,960 --> 00:43:43,220
apac channel on on cable television they

1011
00:43:52,240 --> 00:43:46,970
are taking a week in science and so the

1012
00:43:54,790 --> 00:43:52,250
apac channel is used widely by ministers

1013
00:43:56,110 --> 00:43:54,800

and politicians it's usually the the

1014

00:43:58,270 --> 00:43:56,120

channel that they'll have on the

1015

00:44:00,730 --> 00:43:58,280

television in their office so we're

1016

00:44:02,470 --> 00:44:00,740

getting a little dose of science under

1017

00:44:04,150 --> 00:44:02,480

the nose of politicians across the

1018

00:44:07,390 --> 00:44:04,160

country by being able to go through the

1019

00:44:09,220 --> 00:44:07,400

apac channel so yeah we're really we're

1020

00:44:10,810 --> 00:44:09,230

really quite proud of a week in science

1021

00:44:12,430 --> 00:44:10,820

and and it's a lot of fun it's a lot of

1022

00:44:14,470 --> 00:44:12,440

hard work to pull together but it's a

1023

00:44:16,210 --> 00:44:14,480

lot of fun and and it's getting the

1024

00:44:18,220 --> 00:44:16,220

sorts of audience that it deserves

1025

00:44:19,480 --> 00:44:18,230

that's really good to hear and just for

1026

00:44:21,880 --> 00:44:19,490

the benefit of our international

1027

00:44:22,350 --> 00:44:21,890

listeners when Paul says it's getting to

1028

00:44:24,390 --> 00:44:22,360

the 10

1029

00:44:29,250 --> 00:44:24,400

of Ministers he doesn't mean religious

1030

00:44:32,490 --> 00:44:29,260

ministers he means politicians who knows

1031

00:44:35,670 --> 00:44:32,500

maybe even religious ministers to yeah

1032

00:44:39,420 --> 00:44:35,680

well yet no point preaching to the

1033

00:44:41,370 --> 00:44:39,430

converted well Paul I keep threatening

1034

00:44:43,530 --> 00:44:41,380

to come down to Adelaide to visit the

1035

00:44:45,690 --> 00:44:43,540

royal institution of australia i will do

1036

00:44:48,800 --> 00:44:45,700

it one day i promise i look forward to a

1037

00:44:54,090 --> 00:44:48,810

personal tour of your vast collection of

1038

00:44:57,840 --> 00:44:54,100

ancient South Pole beers or fossils or

1039

00:45:00,150 --> 00:44:57,850

whatever you have for me well you know

1040

00:45:02,160 --> 00:45:00,160

Richard is you know I've only been in

1041

00:45:04,740 --> 00:45:02,170

that late coming off for three years now

1042

00:45:06,630 --> 00:45:04,750

and absolutely love it over here you

1043

00:45:09,150 --> 00:45:06,640

know I'll make sure you look good after

1044

00:45:11,610 --> 00:45:09,160

if you come over and as I'd like to tell

1045

00:45:13,890 --> 00:45:11,620

everybody about my cut my setup here in

1046

00:45:15,720 --> 00:45:13,900

that in Adelaide I work in the center of

1047

00:45:18,510 --> 00:45:15,730

the city I have a 20 minute drive to

1048

00:45:21,270 --> 00:45:18,520

work and two or three nights a week I'm

1049

00:45:24,990 --> 00:45:21,280

woken up by koalas shagging outside my

1050

00:45:27,780 --> 00:45:25,000

bedroom window so how good is that what

1051
00:45:29,820 --> 00:45:27,790
more could you want in life and the odd

1052
00:45:33,630 --> 00:45:29,830
trip apart from the odd trip to the

1053
00:45:35,340 --> 00:45:33,640
Antarctic Paul before we go when is the

1054
00:45:37,980 --> 00:45:35,350
Doctor Who thing happening we don't

1055
00:45:41,040 --> 00:45:37,990
forget it hurt this weekend brisbane

1056
00:45:44,070 --> 00:45:41,050
shows are on may the 10th shows in

1057
00:45:46,710 --> 00:45:44,080
sydney on the 23rd 24th and twenty-fifth

1058
00:45:49,230 --> 00:45:46,720
of May in Adelaide on the thirty-first

1059
00:45:51,210 --> 00:45:49,240
of May and then in Melbourne we've got

1060
00:45:53,550 --> 00:45:51,220
shows on the thirteenth fourteenth and

1061
00:45:56,010 --> 00:45:53,560
fifteenth of June promises to be a

1062
00:45:57,900 --> 00:45:56,020
brilliant fun show it certainly does

1063
00:46:00,570 --> 00:45:57,910

promise to be a brilliant fun show Paul

1064

00:46:02,580 --> 00:46:00,580

I might even see if I can go along

1065

00:46:04,860 --> 00:46:02,590

myself to enjoy the fun of Doctor Who

1066

00:46:07,230 --> 00:46:04,870

and the signs of Doctor Who and all the

1067

00:46:09,270 --> 00:46:07,240

best with your continued adventures at

1068

00:46:11,460 --> 00:46:09,280

the Royal Institution of Australia and

1069

00:46:15,810 --> 00:46:11,470

next time you go to the Antarctic I hope

1070

00:46:17,520 --> 00:46:15,820

you take an extra big suitcase for me it

1071

00:46:19,790 --> 00:46:17,530

would be a very large suitcase because

1072

00:46:23,160 --> 00:46:19,800

there's a lot of people to go with it

1073

00:46:24,870 --> 00:46:23,170

I'm sure there are dr. Paul Willa's from

1074

00:46:39,670 --> 00:46:24,880

the Royal Institution of Australia

1075

00:46:44,540 --> 00:46:42,260

did you see that UFO sighting that made

1076

00:46:46,220 --> 00:46:44,550

the news what did that latest study

1077

00:46:48,650 --> 00:46:46,230

about alternative treatments really say

1078

00:46:51,620 --> 00:46:48,660

is this photo making the rounds real or

1079

00:46:53,510 --> 00:46:51,630

hoax doubtful news is a unique website

1080

00:46:55,640 --> 00:46:53,520

featuring news about pseudoscience the

1081

00:46:57,339 --> 00:46:55,650

paranormal anomalies and questionable

1082

00:47:00,320 --> 00:46:57,349

claims framed with the skeptical view

1083

00:47:02,050 --> 00:47:00,330

come visit Delphine newscom every day

1084

00:47:05,780 --> 00:47:02,060

for news about cryptozoology

1085

00:47:08,690 --> 00:47:05,790

conspiracies shams scams and more follow

1086

00:47:10,250 --> 00:47:08,700

us on twitter at doubtful news critical

1087

00:47:12,560 --> 00:47:10,260

thinking is essential in assessing

1088

00:47:28,150 --> 00:47:12,570

today's news duffel news helps you

1089

00:47:32,660 --> 00:47:30,680

thank you for listening to the skeptic

1090

00:47:36,500 --> 00:47:32,670

zone don't forget coming up later on in

1091

00:47:38,390 --> 00:47:36,510

the year 28 the 30th of November here in

1092

00:47:41,690 --> 00:47:38,400

Sydney the Australian skeptics National

1093

00:47:43,550 --> 00:47:41,700

Convention one not to be missed not to

1094

00:47:45,260 --> 00:47:43,560

be missed dr. Carl cruise on this key

1095

00:47:49,400 --> 00:47:45,270

will be there lots and lots and lots of

1096

00:47:51,800 --> 00:47:49,410

other people and exciting news dr. Carl

1097

00:47:54,350 --> 00:47:51,810

Kozlowski will also be at the amazing

1098

00:47:59,360 --> 00:47:54,360

meeting this year in Las Vegas more

1099

00:48:00,890 --> 00:47:59,370

information at WWE Randy org and I

1100

00:48:03,590 --> 00:48:00,900

notice then it's only just been

1101
00:48:08,060 --> 00:48:03,600
announced that bill nye the science guy

1102
00:48:10,820 --> 00:48:08,070
bill nye will be there as well Wow bill

1103
00:48:13,880 --> 00:48:10,830
nye and Carl Kozlowski at the same

1104
00:48:17,000 --> 00:48:13,890
convention I wonder if they'll be like

1105
00:48:18,860 --> 00:48:17,010
an atomic explosion of grey matter or

1106
00:48:21,890 --> 00:48:18,870
something like that who knows who knows

1107
00:48:23,660 --> 00:48:21,900
but I look forward to being there but

1108
00:48:26,060 --> 00:48:23,670
for now for this week it's Richard

1109
00:48:32,000 --> 00:48:26,070
Saunders signing off from Sydney

1110
00:48:36,710 --> 00:48:32,010
Australia you've been listening to the

1111
00:48:40,520 --> 00:48:36,720
skeptic zone visit her website at www