

1  
00:00:06,160 --> 00:00:13,679  
welcome to the skeptic zone the podcast

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

3  
00:00:22,899 --> 00:00:29,719  
hello and welcome to the skeptic zone

4  
00:00:25,669 --> 00:00:32,539  
episode number 288 for the 27th of april

5  
00:00:29,719 --> 00:00:35,210  
2014 richardsaunders here with you from

6  
00:00:32,539 --> 00:00:36,649  
Sydney Australia and before we get into

7  
00:00:35,210 --> 00:00:39,259  
the show yes to all those people who

8  
00:00:36,649 --> 00:00:41,088  
think they saw me or someone who looks

9  
00:00:39,259 --> 00:00:42,530  
like me on the latest episode of modern

10  
00:00:41,088 --> 00:00:45,378  
family the one where they're in

11  
00:00:42,530 --> 00:00:47,480  
Australia yes that was me now to a great

12  
00:00:45,378 --> 00:00:49,908  
great couple of days working on that

13  
00:00:47,479 --> 00:00:51,439  
show sort of in the background there but

14  
00:00:49,908 --> 00:00:52,789  
don't worry about modern family what's

15  
00:00:51,439 --> 00:00:54,530  
happening in the world of modern

16  
00:00:52,789 --> 00:00:57,079  
scepticism we're going to kick off the

17  
00:00:54,530 --> 00:00:59,149  
show with a grain of salt from Iran sir

18  
00:00:57,079 --> 00:01:01,570  
give who was lucky enough to be a QED

19  
00:00:59,149 --> 00:01:05,390  
question explore discover in Manchester

20  
00:01:01,570 --> 00:01:07,069  
Iran this week catches up with a great

21  
00:01:05,390 --> 00:01:09,799  
magician and a great entertainer I the

22  
00:01:07,069 --> 00:01:13,359  
pleasure of seeing this man perform in

23  
00:01:09,799 --> 00:01:16,220  
Manchester a knockout act Paul's in and

24  
00:01:13,359 --> 00:01:18,670  
magician and skeptic he's going to be

25  
00:01:16,219 --> 00:01:22,459  
chatting about QED of course and

26  
00:01:18,670 --> 00:01:25,219  
something about the relatively recent

27  
00:01:22,459 --> 00:01:27,109  
story with the the psychic the person

28  
00:01:25,219 --> 00:01:28,969  
who builds herself as a psychic Sally

29

00:01:27,109 --> 00:01:30,950  
Morgan that's coming up at the start of

30  
00:01:28,969 --> 00:01:33,439  
the show following that it's a week in

31  
00:01:30,950 --> 00:01:36,109  
science with Paul Willis from the Royal

32  
00:01:33,439 --> 00:01:37,728  
Institution of Australia and then coming

33  
00:01:36,109 --> 00:01:39,590  
up later in the show a full interview

34  
00:01:37,728 --> 00:01:40,939  
with Paul Willis from the Royal

35  
00:01:39,590 --> 00:01:43,670  
Institution of Australia he's going to

36  
00:01:40,939 --> 00:01:46,700  
be chatting about his recent trip to the

37  
00:01:43,670 --> 00:01:50,269  
Antarctic ah so jealous would love to go

38  
00:01:46,700 --> 00:01:52,850  
and also an upcoming tour about the

39  
00:01:50,269 --> 00:01:55,158  
science of doctor who also coming up on

40  
00:01:52,849 --> 00:01:57,890  
this week's show it's the return of Joe

41  
00:01:55,159 --> 00:02:00,109  
alabaster with a new segment evidence

42  
00:01:57,890 --> 00:02:03,049  
please Joe is going to be reading a

43  
00:02:00,109 --> 00:02:04,700

report about the know what's the word we

44

00:02:03,049 --> 00:02:08,118

can look for maybe you could run to your

45

00:02:04,700 --> 00:02:10,158

thesaurus and look up lunatic mmm about

46

00:02:08,118 --> 00:02:12,889

the anti-vaxxers out there in our

47

00:02:10,158 --> 00:02:15,378

society ah what a funny bunch they are

48

00:02:12,889 --> 00:02:17,268

for those people in Sydney don't forget

49

00:02:15,378 --> 00:02:19,719

to come along to Sydney skeptics in the

50

00:02:17,269 --> 00:02:22,370

pub the first thursday of the month and

51

00:02:19,719 --> 00:02:27,818

that means this thursday coming up at

52

00:02:22,370 --> 00:02:32,509

the crown hotel in sydney details at ww

53

00:02:27,818 --> 00:02:33,669

skeptics com au and for everybody all

54

00:02:32,509 --> 00:02:37,359

around the world

55

00:02:33,669 --> 00:02:39,280

I sincerely advise you to run without

56

00:02:37,360 --> 00:02:42,340

delay do you run on the internet I don't

57

00:02:39,280 --> 00:02:46,449

know surf to the page of the Friends of

58  
00:02:42,340 --> 00:02:49,870  
science medicine ww science in medicine

59  
00:02:46,449 --> 00:02:51,579  
org a you and subscribe to the

60  
00:02:49,870 --> 00:02:53,349  
newsletter now this is a group of people

61  
00:02:51,580 --> 00:02:54,940  
we've covered these people before on the

62  
00:02:53,349 --> 00:02:56,949  
skeptic zone we've certainly chatted

63  
00:02:54,939 --> 00:03:00,039  
about them and interview them friends of

64  
00:02:56,949 --> 00:03:02,859  
science in medicine promoting and

65  
00:03:00,039 --> 00:03:05,739  
supporting and defending good science

66  
00:03:02,860 --> 00:03:07,720  
and good medicine in Australia but now

67  
00:03:05,739 --> 00:03:12,700  
it's time for me to run downstairs and

68  
00:03:07,719 --> 00:03:15,759  
have some Oh satay chicken mmm satay

69  
00:03:12,699 --> 00:03:19,869  
chicken and rice that peanut sauce folks

70  
00:03:15,759 --> 00:03:23,669  
I tell you wha sat oh yes well I do that

71  
00:03:19,870 --> 00:03:23,670  
I hope you enjoy the skeptic zone

72  
00:03:39,139 --> 00:03:50,129  
little take this with a grain of salt

73  
00:03:41,719 --> 00:03:52,740  
he's around second i have with me here

74  
00:03:50,129 --> 00:03:56,250  
pulls in on a magician and Tanner who

75  
00:03:52,740 --> 00:04:00,930  
was the MC 4qd hello Paul hello have you

76  
00:03:56,250 --> 00:04:02,990  
doing very good so let's start by asking

77  
00:04:00,930 --> 00:04:06,150  
about your relationship to skepticism

78  
00:04:02,990 --> 00:04:07,620  
yeah it kind of came a little bit out of

79  
00:04:06,150 --> 00:04:10,800  
the blue a couple of years ago when I

80  
00:04:07,620 --> 00:04:14,219  
got asked to go but QED here in

81  
00:04:10,800 --> 00:04:16,170  
Manchester and I wasn't particularly

82  
00:04:14,219 --> 00:04:18,000  
aware of the whole skepticism movement

83  
00:04:16,170 --> 00:04:20,699  
but kind of found out that I'd sort of

84  
00:04:18,000 --> 00:04:24,889  
beading often it I hope solo for a while

85  
00:04:20,699 --> 00:04:28,110  
in terms of mainly due to an interest in

86

00:04:24,889 --> 00:04:31,050  
debunking psychics and mediums and all

87  
00:04:28,110 --> 00:04:33,990  
sorts of paranormal type stuff but also

88  
00:04:31,050 --> 00:04:36,720  
I do a lot of stand-up comedy as well as

89  
00:04:33,990 --> 00:04:38,850  
the magic which is related to expect

90  
00:04:36,720 --> 00:04:41,010  
ranks and hoaxes and things like that

91  
00:04:38,850 --> 00:04:43,530  
and it's all about kind of trying to get

92  
00:04:41,009 --> 00:04:46,199  
round the system so it is critical

93  
00:04:43,529 --> 00:04:48,419  
thinking you know I did a TEDx talk

94  
00:04:46,199 --> 00:04:51,659  
about airport security for example and

95  
00:04:48,420 --> 00:04:53,960  
it was how to mess about with it just to

96  
00:04:51,660 --> 00:04:56,910  
kind of point out the flaws in their

97  
00:04:53,959 --> 00:04:58,469  
theater of what we included you did

98  
00:04:56,910 --> 00:05:00,900  
include a section in that talk about how

99  
00:04:58,470 --> 00:05:02,670  
to do without getting arrested no in

100  
00:05:00,899 --> 00:05:04,589

groups one of the lines in it was

101

00:05:02,670 --> 00:05:06,360

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

102

00:05:04,589 --> 00:05:08,219

to dick about with airport security if

103

00:05:06,360 --> 00:05:11,879

you don't mind doing two years inside

104

00:05:08,220 --> 00:05:14,430

for a laugh so I working first

105

00:05:11,879 --> 00:05:18,300

skepticism or the skepticism bit or them

106

00:05:14,430 --> 00:05:19,920

magically I suppose the magic kind of

107

00:05:18,300 --> 00:05:21,780

came first because I didn't wasn't aware

108

00:05:19,920 --> 00:05:24,509

of the term skepticism until a few years

109

00:05:21,779 --> 00:05:25,829

ago really but it's kind of closely

110

00:05:24,509 --> 00:05:28,349

related in the sense that when I was a

111

00:05:25,829 --> 00:05:29,729

kid the word trick was always appealing

112

00:05:28,350 --> 00:05:32,189

the trick was a thing that could be

113

00:05:29,730 --> 00:05:33,840

funny like a practical joke or it could

114

00:05:32,189 --> 00:05:35,339

be a magic thing or it could be kind of

115  
00:05:33,839 --> 00:05:37,079  
a calm you know that kind of calm man

116  
00:05:35,339 --> 00:05:40,739  
type thing I was always fascinated with

117  
00:05:37,079 --> 00:05:42,500  
films like the stinging Paper Moon and

118  
00:05:40,740 --> 00:05:45,199  
things which was about

119  
00:05:42,500 --> 00:05:47,600  
nonviolent crime so clever dealer heists

120  
00:05:45,199 --> 00:05:48,889  
and things like that and I think that's

121  
00:05:47,600 --> 00:05:51,920  
the sort of link with sketchy it's a

122  
00:05:48,889 --> 00:05:53,689  
it's about using deceit but in a clever

123  
00:05:51,920 --> 00:05:55,220  
way so it becomes a kind of intellectual

124  
00:05:53,689 --> 00:05:57,550  
challenge you know and so does that

125  
00:05:55,220 --> 00:06:01,790  
parallel with the critical thinking idea

126  
00:05:57,550 --> 00:06:03,770  
but yet you just try to work out ways of

127  
00:06:01,790 --> 00:06:06,290  
getting round things you know that it

128  
00:06:03,769 --> 00:06:07,609  
used to be a cartoon strip in a comic

129  
00:06:06,290 --> 00:06:10,400  
when I was a kid called Roger the Dodger

130  
00:06:07,610 --> 00:06:12,500  
and it was there was this kid who was

131  
00:06:10,399 --> 00:06:14,439  
trying to get away with things and not

132  
00:06:12,500 --> 00:06:17,120  
yeah you know you do the easiest route

133  
00:06:14,439 --> 00:06:19,639  
but you know it's kind of crime without

134  
00:06:17,120 --> 00:06:20,540  
malice basically you know and so that's

135  
00:06:19,639 --> 00:06:23,180  
that's what I've always been interested

136  
00:06:20,540 --> 00:06:25,580  
so my I suppose stage persona is a bit

137  
00:06:23,180 --> 00:06:29,240  
of a bit of a condom really and so you

138  
00:06:25,579 --> 00:06:31,099  
become a kind of expert in DC in general

139  
00:06:29,240 --> 00:06:33,168  
and I think that's why magicians kind of

140  
00:06:31,100 --> 00:06:35,360  
a got a history of debunking things like

141  
00:06:33,168 --> 00:06:36,918  
mediums and psychics and whatever it's

142  
00:06:35,360 --> 00:06:38,689  
because it takes a thief to catch a

143

00:06:36,918 --> 00:06:40,879  
thief you know you're telling lies for a

144  
00:06:38,689 --> 00:06:43,250  
living and using this see and so what do

145  
00:06:40,879 --> 00:06:45,439  
you see someone else using it but

146  
00:06:43,250 --> 00:06:46,910  
Betelgeuse is very honest because you

147  
00:06:45,439 --> 00:06:48,379  
actually telling people the premise of

148  
00:06:46,910 --> 00:06:50,330  
your entertainment is that you're

149  
00:06:48,379 --> 00:06:51,409  
deceiving them yeah and you tell about

150  
00:06:50,329 --> 00:06:54,709  
and so you want to ask you about that

151  
00:06:51,410 --> 00:06:58,340  
because you're on a panel with mark

152  
00:06:54,709 --> 00:07:00,649  
edward and and richard wiseman that's

153  
00:06:58,339 --> 00:07:02,449  
right skype messages condition and one

154  
00:07:00,649 --> 00:07:05,120  
of the things that came up there was

155  
00:07:02,449 --> 00:07:08,719  
about the question about whether it is

156  
00:07:05,120 --> 00:07:10,879  
okay to especially with mentalism to

157  
00:07:08,720 --> 00:07:13,280

pretend to be a Mentalist with actually

158

00:07:10,879 --> 00:07:14,509

saying to the audience so obviously

159

00:07:13,279 --> 00:07:16,129

there are situations where you don't

160

00:07:14,509 --> 00:07:17,629

need to actually say anything people buy

161

00:07:16,129 --> 00:07:18,740

tickets in the other coming to a show

162

00:07:17,629 --> 00:07:20,990

you don't need to edit it is anything

163

00:07:18,740 --> 00:07:22,819

it's okay to pretend because like you

164

00:07:20,990 --> 00:07:24,949

know the actual playing Othello doesn't

165

00:07:22,819 --> 00:07:26,300

say I'm not really a fellow they people

166

00:07:24,949 --> 00:07:27,560

know what they're getting yeah but there

167

00:07:26,300 --> 00:07:31,910

are situations obviously when that's not

168

00:07:27,560 --> 00:07:33,949

so clear cards and mark edward said that

169

00:07:31,910 --> 00:07:35,990

there are depends what the producer or

170

00:07:33,949 --> 00:07:37,490

the weather pays well he was basically

171

00:07:35,990 --> 00:07:39,199

saying if he got paid it off he'd said

172  
00:07:37,490 --> 00:07:41,269  
whatever you know we're just kind of

173  
00:07:39,199 --> 00:07:43,250  
fair enough i I just heard from an

174  
00:07:41,269 --> 00:07:45,439  
ethics point of view I think it's

175  
00:07:43,250 --> 00:07:47,269  
interesting that you know we have a

176  
00:07:45,439 --> 00:07:48,978  
performer here in the UK I don't if he's

177  
00:07:47,269 --> 00:07:50,839  
made many to Australia in terms of TV

178  
00:07:48,978 --> 00:07:53,839  
stuff called Derren Brown and he

179  
00:07:50,839 --> 00:07:54,918  
it's psychological you know illusionist

180  
00:07:53,839 --> 00:07:57,469  
and it's an interesting thing because

181  
00:07:54,918 --> 00:07:58,609  
even though he tells lies about how he

182  
00:07:57,470 --> 00:08:00,169  
supposedly does things you know I'm

183  
00:07:58,610 --> 00:08:02,210  
reading body language and I know because

184  
00:08:00,168 --> 00:08:04,219  
your left ear twitch till you move your

185  
00:08:02,209 --> 00:08:05,779  
right elbow i no you chose the six of

186  
00:08:04,220 --> 00:08:09,620  
Spades you know and it's kind of it

187  
00:08:05,779 --> 00:08:11,329  
takes a ball argument however it's kind

188  
00:08:09,620 --> 00:08:13,370  
of coming you know it's cutting all that

189  
00:08:11,329 --> 00:08:14,569  
that could be correct because people do

190  
00:08:13,370 --> 00:08:16,370  
read body language is in certain

191  
00:08:14,569 --> 00:08:18,199  
situations that to me is very different

192  
00:08:16,370 --> 00:08:20,689  
from saying that you're actually psychic

193  
00:08:18,199 --> 00:08:22,189  
again predict the future or talk to the

194  
00:08:20,689 --> 00:08:23,629  
dead or whatever because the problem

195  
00:08:22,189 --> 00:08:27,019  
with that even if you're doing it as a

196  
00:08:23,629 --> 00:08:28,850  
form of entertainment you're propagating

197  
00:08:27,019 --> 00:08:30,829  
the idea that that stuff actually exists

198  
00:08:28,850 --> 00:08:32,538  
yes you know and that's not healthy in

199  
00:08:30,829 --> 00:08:34,519  
terms of you know evolution apart from

200

00:08:32,538 --> 00:08:36,918  
anything else and so you know it might

201  
00:08:34,519 --> 00:08:39,168  
well be that someone sees you on TV and

202  
00:08:36,918 --> 00:08:41,299  
you go yeah my psychic powers are

203  
00:08:39,168 --> 00:08:42,799  
telling me that you chose the color red

204  
00:08:41,299 --> 00:08:44,419  
and whatever you go that's no big deal

205  
00:08:42,799 --> 00:08:45,949  
is it's not doing but then someone

206  
00:08:44,419 --> 00:08:48,199  
watching that goes well these people

207  
00:08:45,950 --> 00:08:50,660  
exist so maybe when that lump appears in

208  
00:08:48,200 --> 00:08:52,670  
my neck I'll go and see that you know

209  
00:08:50,659 --> 00:08:54,769  
that person who claims to be able to

210  
00:08:52,669 --> 00:08:57,588  
cure that sort of thing by making me

211  
00:08:54,769 --> 00:09:00,259  
drink my own urine or whatever it is and

212  
00:08:57,589 --> 00:09:02,480  
that's so it's just propagating false

213  
00:09:00,259 --> 00:09:05,028  
beliefs in the name of entertainment

214  
00:09:02,480 --> 00:09:06,860

quite unforgivable I think but you're

215

00:09:05,028 --> 00:09:09,259

not stranger to telling a bit of a lie

216

00:09:06,860 --> 00:09:11,450

yourself for example you have pretended

217

00:09:09,259 --> 00:09:14,330

to be you have pretended to be a father

218

00:09:11,450 --> 00:09:17,750

her concerned father worried about the

219

00:09:14,330 --> 00:09:19,700

child being eaten by a python this is

220

00:09:17,750 --> 00:09:20,870

yeah and that's the end of the podcast

221

00:09:19,700 --> 00:09:24,290

they'll just have to wonder what that

222

00:09:20,870 --> 00:09:26,209

was about the yeah basically I've got a

223

00:09:24,289 --> 00:09:29,179

few hopes is it a few prank things and

224

00:09:26,208 --> 00:09:31,309

actually partly to point out how

225

00:09:29,179 --> 00:09:33,949

gullible the press are in the public in

226

00:09:31,309 --> 00:09:35,059

general and so we should my basic

227

00:09:33,950 --> 00:09:36,140

message through that is just we

228

00:09:35,059 --> 00:09:37,759

shouldn't believe everything you read

229  
00:09:36,139 --> 00:09:40,699  
which most people realize but some

230  
00:09:37,759 --> 00:09:42,080  
people don't but I yeah we load up you

231  
00:09:40,700 --> 00:09:43,640  
can read the Daily Mail a lot of people

232  
00:09:42,080 --> 00:09:45,980  
really Daily Mail I can't say too much

233  
00:09:43,639 --> 00:09:49,850  
about the Daily Mail because of you know

234  
00:09:45,980 --> 00:09:51,409  
I will go to bed but they're here but

235  
00:09:49,850 --> 00:09:53,690  
yeah it's so I've done a few kind of

236  
00:09:51,409 --> 00:09:55,100  
hoax stories just to see how far we and

237  
00:09:53,690 --> 00:09:58,130  
you just got a schoolboy mischief

238  
00:09:55,100 --> 00:10:00,379  
basically you know but that's telling a

239  
00:09:58,129 --> 00:10:01,759  
lie but it's not actually setting up a

240  
00:10:00,379 --> 00:10:04,009  
belief that's going to harm anyone

241  
00:10:01,759 --> 00:10:04,370  
long-term you know so they might keep

242  
00:10:04,009 --> 00:10:06,659  
their

243

00:10:04,370 --> 00:10:07,710

kittens indoors for a couple of days

244

00:10:06,659 --> 00:10:09,449

because they think there's an 18 foot

245

00:10:07,710 --> 00:10:12,090

Python that large that's not going to

246

00:10:09,450 --> 00:10:14,160

harm a visit you know and who knows

247

00:10:12,090 --> 00:10:16,889

there might be a you know another wild

248

00:10:14,159 --> 00:10:19,529

animal out there for real I'm struggling

249

00:10:16,889 --> 00:10:22,470

there yeah but actually you know not

250

00:10:19,529 --> 00:10:24,240

telling them from the Panthers that's a

251

00:10:22,470 --> 00:10:25,950

bit of fun and it's just demonstrating

252

00:10:24,240 --> 00:10:28,379

the way the media works you know there's

253

00:10:25,950 --> 00:10:30,720

a big difference between LA and you know

254

00:10:28,379 --> 00:10:32,189

a certain well-known psychic on TV who

255

00:10:30,720 --> 00:10:34,700

said that they're sending healing

256

00:10:32,190 --> 00:10:37,260

messages to someone and you know it

257

00:10:34,700 --> 00:10:39,300  
there's a whole thing about what harm de

258  
00:10:37,259 --> 00:10:41,669  
mediums do you know an old lady pays a

259  
00:10:39,299 --> 00:10:43,259  
money and goes and sees show and it

260  
00:10:41,669 --> 00:10:45,029  
brings a bit of comfort to us so what

261  
00:10:43,259 --> 00:10:47,340  
harm does it do and you go well you

262  
00:10:45,029 --> 00:10:49,110  
wouldn't say the same about a cowboy

263  
00:10:47,340 --> 00:10:51,090  
builder you know someone who pretends

264  
00:10:49,110 --> 00:10:53,700  
that some slates missing of someone old

265  
00:10:51,090 --> 00:10:55,620  
ladies roof and charges are a few

266  
00:10:53,700 --> 00:10:57,600  
thousand dollars pounds whatever for

267  
00:10:55,620 --> 00:10:59,399  
fixing that you know it's a fake thing

268  
00:10:57,600 --> 00:11:00,690  
and you know what harm does it do if

269  
00:10:59,399 --> 00:11:02,490  
she's got the money and it brings are a

270  
00:11:00,690 --> 00:11:03,810  
bit of comfort but everybody's dead set

271  
00:11:02,490 --> 00:11:06,029

against that and there are laws about

272

00:11:03,809 --> 00:11:07,949

that unfortunately the same thing with

273

00:11:06,029 --> 00:11:09,750

psychics and mediums who will take money

274

00:11:07,950 --> 00:11:12,420

off people when they're grieving and

275

00:11:09,750 --> 00:11:14,220

vulnerable that there aren't really any

276

00:11:12,419 --> 00:11:16,049

laws about it in laws changed here in

277

00:11:14,220 --> 00:11:18,269

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

278

00:11:16,049 --> 00:11:22,289

two Trading Standards thing but it's not

279

00:11:18,269 --> 00:11:24,659

actual law and speaking of psychics

280

00:11:22,289 --> 00:11:27,269

think of psyche is you have an

281

00:11:24,659 --> 00:11:29,309

interesting relationship with sally

282

00:11:27,269 --> 00:11:30,870

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

283

00:11:29,309 --> 00:11:32,579

what you're allowed to say well this is

284

00:11:30,870 --> 00:11:34,769

the problem you know the difference

285

00:11:32,580 --> 00:11:36,360

between i'm not sure the libel laws in

286  
00:11:34,769 --> 00:11:38,850  
australia but we have very antiquated

287  
00:11:36,360 --> 00:11:40,980  
laws here in the UK and the problem is

288  
00:11:38,850 --> 00:11:44,700  
that if you suggest something negative

289  
00:11:40,980 --> 00:11:46,769  
about someone they can sue you now when

290  
00:11:44,700 --> 00:11:48,450  
basically the story is that sally morgan

291  
00:11:46,769 --> 00:11:50,699  
famous psychic here who's now touring

292  
00:11:48,450 --> 00:11:53,759  
australia i think she should like you

293  
00:11:50,700 --> 00:11:57,090  
and the problem is i wrote an article

294  
00:11:53,759 --> 00:11:58,830  
for The Daily Mail which was she there's

295  
00:11:57,090 --> 00:12:01,800  
a suggestion that she may have been

296  
00:11:58,830 --> 00:12:03,990  
using an earpiece on stage and and I

297  
00:12:01,799 --> 00:12:05,879  
wrote an article about that and how some

298  
00:12:03,990 --> 00:12:08,580  
psychics cheats and all the rest of it

299  
00:12:05,879 --> 00:12:10,110  
and then and then I discovered some

300  
00:12:08,580 --> 00:12:12,240  
evidence that she does actually wear an

301  
00:12:10,110 --> 00:12:14,460  
earpiece on stage the problem was with

302  
00:12:12,240 --> 00:12:16,649  
the whole libel case is that it's

303  
00:12:14,460 --> 00:12:17,670  
actually about when what that earpiece

304  
00:12:16,649 --> 00:12:20,069  
was used for

305  
00:12:17,669 --> 00:12:22,649  
or but the suggestion from a newspaper

306  
00:12:20,070 --> 00:12:24,210  
not for myself I hasten to add was that

307  
00:12:22,649 --> 00:12:26,309  
she may have been using it for cheating

308  
00:12:24,210 --> 00:12:28,769  
and so she sued the newspaper and

309  
00:12:26,309 --> 00:12:29,969  
technically she was because there was an

310  
00:12:28,769 --> 00:12:32,069  
out-of-court settlement which is a

311  
00:12:29,970 --> 00:12:33,990  
ridiculous situation because the

312  
00:12:32,070 --> 00:12:35,190  
original article i saw that i'm aware

313  
00:12:33,990 --> 00:12:37,440  
didn't actually accuse her of cheating

314

00:12:35,190 --> 00:12:39,240  
it was just pointing out that she may

315  
00:12:37,440 --> 00:12:41,280  
have used an earpiece I'm funny enough

316  
00:12:39,240 --> 00:12:43,980  
she did but it was apparently for stage

317  
00:12:41,279 --> 00:12:45,329  
directions not sure what no stage dollar

318  
00:12:43,980 --> 00:12:47,250  
given because it's around the same time

319  
00:12:45,330 --> 00:12:48,930  
that he came of these two Irish girls if

320  
00:12:47,250 --> 00:12:51,840  
I'm Emma correctly that's what it was

321  
00:12:48,929 --> 00:12:53,489  
about it was basically these couple of

322  
00:12:51,840 --> 00:12:55,470  
Irish women had phoned a radio station

323  
00:12:53,490 --> 00:12:57,000  
in Dublin and said that they'd heard

324  
00:12:55,470 --> 00:12:59,639  
voices from the back of the theatre from

325  
00:12:57,000 --> 00:13:02,370  
the projectional lighting box and that

326  
00:12:59,639 --> 00:13:04,319  
the medium on stage was saying the same

327  
00:13:02,370 --> 00:13:07,860  
things a short while later so the

328  
00:13:04,320 --> 00:13:10,710

assumption of the radio presenter and of

329

00:13:07,860 --> 00:13:12,930

the women in retrospect was that she may

330

00:13:10,710 --> 00:13:14,639

have been fed information so it's a

331

00:13:12,929 --> 00:13:17,189

discussion about that in the article but

332

00:13:14,639 --> 00:13:19,500

no outright accusation from me however

333

00:13:17,190 --> 00:13:20,520

because the libel laws you know people

334

00:13:19,500 --> 00:13:21,840

are saying well it's great because

335

00:13:20,519 --> 00:13:24,000

she'll have to prove that she is

336

00:13:21,840 --> 00:13:26,310

actually psychic doesn't work that way

337

00:13:24,000 --> 00:13:28,799

the way the libel law works is that the

338

00:13:26,309 --> 00:13:30,689

person who is sued has to prove

339

00:13:28,799 --> 00:13:32,789

everything there's no onus on the person

340

00:13:30,690 --> 00:13:35,400

you know so I said to the male lawyer

341

00:13:32,789 --> 00:13:38,519

initially I said well how about if I say

342

00:13:35,399 --> 00:13:40,139

in court that the reason you know this

343  
00:13:38,519 --> 00:13:42,990  
happened is because I heard it from my

344  
00:13:40,139 --> 00:13:44,669  
spirit guide Geronimo and that's what

345  
00:13:42,990 --> 00:13:46,320  
what the situation is he said well I

346  
00:13:44,669 --> 00:13:47,879  
think they'd think you were taking the

347  
00:13:46,320 --> 00:13:51,000  
piss to be honest and the wall she

348  
00:13:47,879 --> 00:13:53,490  
started it it's the same argument isn't

349  
00:13:51,000 --> 00:13:56,279  
it you know is you know you are actually

350  
00:13:53,490 --> 00:13:59,580  
talking to dead people ok well how is

351  
00:13:56,279 --> 00:14:02,069  
that any less ridiculous ok you could

352  
00:13:59,580 --> 00:14:05,070  
bring your fake Python 2 to a course to

353  
00:14:02,070 --> 00:14:08,070  
support you but it's care of ya ya know

354  
00:14:05,070 --> 00:14:09,840  
Jesus told me it's it's got to be the

355  
00:14:08,070 --> 00:14:11,280  
truth so yeah so you have to be very

356  
00:14:09,840 --> 00:14:14,009  
careful it's a ridiculous situation

357  
00:14:11,279 --> 00:14:15,990  
because and that this is why you know

358  
00:14:14,009 --> 00:14:19,169  
newspapers don't generally report

359  
00:14:15,990 --> 00:14:21,060  
psychics being caught out or you know

360  
00:14:19,169 --> 00:14:23,429  
they're happy to run stories about

361  
00:14:21,059 --> 00:14:25,079  
ghosts and or rest of it because it's

362  
00:14:23,429 --> 00:14:26,579  
cheap and it's easy and people are

363  
00:14:25,080 --> 00:14:28,920  
interested in that kind of thing and

364  
00:14:26,580 --> 00:14:30,250  
they don't actually take any risk with

365  
00:14:28,919 --> 00:14:32,199  
the positive stuff

366  
00:14:30,250 --> 00:14:34,299  
rich with a negative by saying oh is

367  
00:14:32,200 --> 00:14:35,560  
this person gene or whatever they're

368  
00:14:34,299 --> 00:14:37,979  
putting themselves on the law then you

369  
00:14:35,559 --> 00:14:41,349  
know so it's just easier for them not to

370  
00:14:37,980 --> 00:14:43,539  
so when you're not doing skeptical

371

00:14:41,350 --> 00:14:45,370  
conferences what do you do or water I've

372  
00:14:43,539 --> 00:14:48,069  
been kind of jobbing performer really I

373  
00:14:45,370 --> 00:14:49,779  
kind of perform it mainly kind of doing

374  
00:14:48,070 --> 00:14:51,550  
corporate work business conferences you

375  
00:14:49,779 --> 00:14:53,769  
know kind of host awards ceremonies and

376  
00:14:51,549 --> 00:14:57,639  
do after dinner cabaret stuff kind of

377  
00:14:53,769 --> 00:15:00,129  
stand up and tricks of things yeah a few

378  
00:14:57,639 --> 00:15:02,110  
cruise ships just you know that kind of

379  
00:15:00,129 --> 00:15:03,730  
thing but doing a little bit of acting

380  
00:15:02,110 --> 00:15:05,860  
these days so the cruise ship is

381  
00:15:03,730 --> 00:15:08,950  
probably a presumably to to lower the

382  
00:15:05,860 --> 00:15:10,659  
average age I'm thinking the cruise the

383  
00:15:08,950 --> 00:15:12,629  
cruiser me the creeps audience have got

384  
00:15:10,659 --> 00:15:15,579  
a bit younger now you know the kind of

385  
00:15:12,629 --> 00:15:17,950

really certain cruise lines who shall

386

00:15:15,580 --> 00:15:19,960  
remain nameless also because of libel

387

00:15:17,950 --> 00:15:23,650  
laws and you know we used to call it

388

00:15:19,960 --> 00:15:24,820  
club 82 dead you know but but there you

389

00:15:23,649 --> 00:15:26,259  
know you get to go some quite

390

00:15:24,820 --> 00:15:29,050  
interesting places these days you've got

391

00:15:26,259 --> 00:15:31,870  
some quite exotic routes around and it's

392

00:15:29,049 --> 00:15:33,909  
pretty well paid and it's nice food you

393

00:15:31,870 --> 00:15:35,589  
know if you spend anything so it's got a

394

00:15:33,909 --> 00:15:37,659  
nice easy one but the audiences are a

395

00:15:35,589 --> 00:15:39,600  
bit tend to be a little bit low energy

396

00:15:37,659 --> 00:15:42,429  
because they're on holiday and you know

397

00:15:39,600 --> 00:15:44,529  
but yeah that's that's kind of a nice

398

00:15:42,429 --> 00:15:46,269  
nice thing to do three or four times of

399

00:15:44,529 --> 00:15:48,519  
year you know and is there any chance

400  
00:15:46,269 --> 00:15:49,720  
that the most of the or at least a

401  
00:15:48,519 --> 00:15:51,699  
significant proportion of the listeners

402  
00:15:49,720 --> 00:15:53,320  
to this podcast will be Australian any

403  
00:15:51,700 --> 00:15:56,050  
chance they would see an Israeli anytime

404  
00:15:53,320 --> 00:15:57,760  
soon hopefully there's no major plans at

405  
00:15:56,049 --> 00:15:58,929  
the moment but I used to go to Australia

406  
00:15:57,759 --> 00:16:01,179  
reasonably regular and I play the

407  
00:15:58,929 --> 00:16:05,338  
adelaide fringe festival and melbourne

408  
00:16:01,179 --> 00:16:08,229  
comedy festival brisbane and sydney

409  
00:16:05,339 --> 00:16:10,230  
comedy festival is next week so you yeah

410  
00:16:08,230 --> 00:16:12,279  
bit my little bit about yeah exactly

411  
00:16:10,230 --> 00:16:13,990  
there's a show over there call the

412  
00:16:12,279 --> 00:16:15,549  
soiree that have worked with a few times

413  
00:16:13,990 --> 00:16:17,289  
which is kind of like an adult circus

414  
00:16:15,549 --> 00:16:21,309  
thing which I think was in Sydney

415  
00:16:17,289 --> 00:16:22,959  
recently actually and melbourne and

416  
00:16:21,309 --> 00:16:25,000  
adelaide and played in New Zealand as

417  
00:16:22,960 --> 00:16:25,750  
well and that's an interesting thing

418  
00:16:25,000 --> 00:16:28,299  
that there's a whole kind of

419  
00:16:25,750 --> 00:16:30,250  
resurrection of variety these days so

420  
00:16:28,299 --> 00:16:31,779  
it's not that kind enough cheesy old

421  
00:16:30,250 --> 00:16:33,820  
school thing it's actually sort of now

422  
00:16:31,779 --> 00:16:35,799  
quite cool thing again so for like a

423  
00:16:33,820 --> 00:16:37,570  
magician you know people stole finger

424  
00:16:35,799 --> 00:16:38,559  
magicians is wearing bow ties and a top

425  
00:16:37,570 --> 00:16:40,900  
hat another

426  
00:16:38,559 --> 00:16:42,549  
the system in a sparkly costume but with

427  
00:16:40,899 --> 00:16:45,909  
a hoe Street magic figure out of course

428

00:16:42,549 --> 00:16:47,079  
a rabbit I had you know that the with

429  
00:16:45,909 --> 00:16:48,429  
the whole kind of street magic for you

430  
00:16:47,080 --> 00:16:50,470  
on TV that we kind of kicked off

431  
00:16:48,429 --> 00:16:53,528  
whenever it was supposed about 15 years

432  
00:16:50,470 --> 00:16:55,720  
ago now it's all the somebody's a little

433  
00:16:53,528 --> 00:16:57,159  
bit cool again you know so but yeah I'd

434  
00:16:55,720 --> 00:16:58,839  
like to get back to Australia but I'm

435  
00:16:57,159 --> 00:17:00,699  
trying to do a bit more acting now and

436  
00:16:58,839 --> 00:17:04,120  
I'd like to come back and do probably

437  
00:17:00,700 --> 00:17:05,980  
Adelaide's maybe maybe next year or if

438  
00:17:04,119 --> 00:17:07,869  
not a year after you know it's probably

439  
00:17:05,980 --> 00:17:10,809  
everything's booked so far ahead because

440  
00:17:07,869 --> 00:17:13,029  
of the the program and getting stuff

441  
00:17:10,809 --> 00:17:15,730  
printed and whatever so that even now

442  
00:17:13,029 --> 00:17:18,699

for a delay next february it's kind of

443

00:17:15,730 --> 00:17:20,110

get in a bit late you know yeah but but

444

00:17:18,699 --> 00:17:22,089

yeah hopefully get back there before too

445

00:17:20,109 --> 00:17:23,859

long yeah yeah speaking of acting I just

446

00:17:22,088 --> 00:17:26,500

want to mention that you you were the

447

00:17:23,859 --> 00:17:29,019

lead actor in a short video but two

448

00:17:26,500 --> 00:17:30,759

minutes long i think that opened open

449

00:17:29,019 --> 00:17:33,009

proceedings yeah we just think we'll be

450

00:17:30,759 --> 00:17:34,480

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

451

00:17:33,009 --> 00:17:36,579

a few days time so you could problems

452

00:17:34,480 --> 00:17:38,200

like by the time this goes goes up

453

00:17:36,579 --> 00:17:40,569

normally will be able to provide a link

454

00:17:38,200 --> 00:17:42,220

it was it was fantastic it was really

455

00:17:40,569 --> 00:17:43,809

really it's very kind of a sort of

456

00:17:42,220 --> 00:17:45,309

skeptical base and I'm not sure anybody

457  
00:17:43,809 --> 00:17:46,869  
who wasn't a skeptic will get many of

458  
00:17:45,309 --> 00:17:48,759  
the gags in it but yeah the basic

459  
00:17:46,869 --> 00:17:50,799  
premise is it's me in the hotel where we

460  
00:17:48,759 --> 00:17:52,599  
are now waking up and getting up and get

461  
00:17:50,799 --> 00:17:55,240  
ready for the conference you know but

462  
00:17:52,599 --> 00:17:57,099  
lots of sort of in gags and was quite

463  
00:17:55,240 --> 00:17:58,720  
funny we actually confession now we

464  
00:17:57,099 --> 00:18:00,099  
actually shot welcome to my world of

465  
00:17:58,720 --> 00:18:02,140  
deceit but we actually shot the video in

466  
00:18:00,099 --> 00:18:03,879  
London yeah it wasn't this hotel and

467  
00:18:02,140 --> 00:18:06,220  
it's quite funny because we had a small

468  
00:18:03,880 --> 00:18:08,650  
crew there and the hotel said you know

469  
00:18:06,220 --> 00:18:09,730  
probably better that you don't filming

470  
00:18:08,650 --> 00:18:11,080  
the coroner's because they're just the

471  
00:18:09,730 --> 00:18:12,400  
guests will wonder what's going I'm sure

472  
00:18:11,079 --> 00:18:14,019  
enough we've filmed a bit in the coroner

473  
00:18:12,400 --> 00:18:17,170  
and I think everyone thought it was a

474  
00:18:14,019 --> 00:18:19,059  
gay porn shoot I'm wearing I worry my

475  
00:18:17,170 --> 00:18:20,679  
bedroom gear and there's four guys at a

476  
00:18:19,059 --> 00:18:24,220  
camera in the bedroom you know what

477  
00:18:20,679 --> 00:18:28,570  
could be going on here okay funny enough

478  
00:18:24,220 --> 00:18:29,860  
the main one afterwards well thank you

479  
00:18:28,569 --> 00:18:31,878  
very much for being on the skipped exam

480  
00:18:29,859 --> 00:18:39,198  
absolute pleasure thank you

481  
00:18:31,878 --> 00:18:41,509  
so sorry can we go now on Belfast FM we

482  
00:18:39,199 --> 00:18:43,669  
turn to the person lads easygoing and

483  
00:18:41,509 --> 00:18:45,889  
confident skeptic seeks other critical

484  
00:18:43,669 --> 00:18:48,259  
thinkers for fun laughter and good times

485

00:18:45,888 --> 00:18:50,658  
must be willing to apply logic liberally

486  
00:18:48,259 --> 00:18:52,788  
and a good listener expect something new

487  
00:18:50,659 --> 00:18:54,469  
and interesting every month come on meet

488  
00:18:52,788 --> 00:18:56,179  
me in Belfast in Northern Ireland if

489  
00:18:54,469 --> 00:18:59,599  
this sounds like you check out my

490  
00:18:56,179 --> 00:19:08,929  
profile on Belfast skeptics calm music

491  
00:18:59,598 --> 00:19:10,878  
by Kevin MacLeod welcome to awaken

492  
00:19:08,929 --> 00:19:13,699  
science from arias bringing you the

493  
00:19:10,878 --> 00:19:16,488  
science news you need to know ken

494  
00:19:13,699 --> 00:19:18,949  
misinformation kill when it comes to

495  
00:19:16,489 --> 00:19:20,028  
vaccinations most definitely it's time

496  
00:19:18,949 --> 00:19:25,788  
to take a look at some of those

497  
00:19:20,028 --> 00:19:28,578  
anti-vaccination myths perhaps the most

498  
00:19:25,788 --> 00:19:31,489  
enduring myth about vaccinations is a

499  
00:19:28,578 --> 00:19:34,788

link between the MMR vaccine and autism

500

00:19:31,489 --> 00:19:36,528

it all originated from a 1998 paper

501

00:19:34,788 --> 00:19:38,898

published in the British Medical Journal

502

00:19:36,528 --> 00:19:41,959

The Lancet by surgeon and medical

503

00:19:38,898 --> 00:19:43,908

researcher Andrew Wakefield Wakefield

504

00:19:41,959 --> 00:19:45,979

claimed a link between the vaccine that

505

00:19:43,909 --> 00:19:48,979

protects against measles mumps and

506

00:19:45,979 --> 00:19:51,259

rubella or MMR and the incidence of

507

00:19:48,979 --> 00:19:53,869

autism the paper has since been

508

00:19:51,259 --> 00:19:56,149

discredited retracted and described as

509

00:19:53,868 --> 00:19:58,519

fraudulent we now know that Wakefield

510

00:19:56,148 --> 00:20:00,939

had several undeclared conflicts of

511

00:19:58,519 --> 00:20:03,798

interest and he manipulated the data

512

00:20:00,940 --> 00:20:06,139

extensive independent tests have failed

513

00:20:03,798 --> 00:20:10,000

to replicate the results or show any

514  
00:20:06,138 --> 00:20:12,979  
links between the vaccine and autism

515  
00:20:10,000 --> 00:20:15,170  
it's also been claimed that vaccines

516  
00:20:12,980 --> 00:20:18,259  
contain all kinds of toxins including

517  
00:20:15,170 --> 00:20:20,690  
mercury the mercury myth stems from the

518  
00:20:18,259 --> 00:20:24,079  
use of the preservative thiomersal in

519  
00:20:20,690 --> 00:20:26,809  
some vaccines thiomersal does contain

520  
00:20:24,079 --> 00:20:28,970  
mercury but the dose in a vaccine is so

521  
00:20:26,809 --> 00:20:31,579  
low that extensive testing has shown

522  
00:20:28,970 --> 00:20:34,009  
that it's not considered harmful but

523  
00:20:31,579 --> 00:20:36,019  
just to be sure it was removed from the

524  
00:20:34,009 --> 00:20:39,049  
production of all childhood vaccines in

525  
00:20:36,019 --> 00:20:41,990  
Australia in two thousand so there is no

526  
00:20:39,049 --> 00:20:43,909  
mercury in any modern vaccines given to

527  
00:20:41,990 --> 00:20:45,769  
children the National Center for

528  
00:20:43,910 --> 00:20:48,050  
immunization research and surveillance

529  
00:20:45,769 --> 00:20:50,119  
list 16 diseases that a vaccine

530  
00:20:48,049 --> 00:20:51,980  
preventable and notes that in recent

531  
00:20:50,119 --> 00:20:54,500  
years they have been increasing in

532  
00:20:51,980 --> 00:20:56,930  
Australia as more people choose not to

533  
00:20:54,500 --> 00:21:00,140  
have their children immunized this has

534  
00:20:56,930 --> 00:21:02,090  
led to several deaths and now for fast

535  
00:21:00,140 --> 00:21:06,890  
facts that counter anti-vaccination

536  
00:21:02,089 --> 00:21:09,439  
myths the eradication of smallpox and

537  
00:21:06,890 --> 00:21:11,990  
polio does not mean that we can stop

538  
00:21:09,440 --> 00:21:13,630  
vaccinating for them no vaccination is

539  
00:21:11,990 --> 00:21:16,339  
one hundred percent effective a

540  
00:21:13,630 --> 00:21:18,590  
vaccinated person is actually more

541  
00:21:16,339 --> 00:21:21,500  
likely to catch the disease but the

542

00:21:18,589 --> 00:21:23,899  
effects will be much less vaccines do

543  
00:21:21,500 --> 00:21:26,289  
not weaken or overwhelm the immune

544  
00:21:23,900 --> 00:21:29,750  
system they actually strengthen it and

545  
00:21:26,289 --> 00:21:31,299  
vaccines are not unnatural they work by

546  
00:21:29,750 --> 00:21:36,349  
stimulating the body's immune system

547  
00:21:31,299 --> 00:21:38,299  
using naturally-occurring agents that's

548  
00:21:36,349 --> 00:21:40,429  
it for this week in science for more

549  
00:21:38,299 --> 00:21:44,049  
information on vaccination myths go to

550  
00:21:40,430 --> 00:21:47,690  
the our oils website raa us or go you

551  
00:21:44,049 --> 00:21:50,389  
follow us on twitter at our iOS and like

552  
00:21:47,690 --> 00:21:53,529  
us on facebook i'm paul willis and we'll

553  
00:21:50,390 --> 00:21:53,530  
catch you next week

554  
00:22:00,200 --> 00:22:07,880  
hey Kenny oh hi Tom I save this park

555  
00:22:04,169 --> 00:22:10,320  
yeah yes great weather oh look a unicorn

556  
00:22:07,880 --> 00:22:13,500

unicorn there are no such things as

557

00:22:10,319 --> 00:22:15,659

unicorns silly yes there is no there

558

00:22:13,500 --> 00:22:17,929

isn't hey guys what are you arguing

559

00:22:15,660 --> 00:22:20,940

about tom thinks unicorns are real

560

00:22:17,929 --> 00:22:24,059

thanks so are let's look us up in the

561

00:22:20,940 --> 00:22:25,798

skeptics dictionary now what how can we

562

00:22:24,058 --> 00:22:27,480

do this in this park there is the

563

00:22:25,798 --> 00:22:29,220

computer here you guys probably don't

564

00:22:27,480 --> 00:22:32,279

know about the skeptics dictionary app

565

00:22:29,220 --> 00:22:36,210

available now for iPhone iPad and iPod

566

00:22:32,279 --> 00:22:37,769

touch in the App Store Wow cool the app

567

00:22:36,210 --> 00:22:39,960

lets you access all of the great

568

00:22:37,769 --> 00:22:42,539

skeptics dictionary articles when you're

569

00:22:39,960 --> 00:22:45,269

on the go here let me look up unicorns

570

00:22:42,539 --> 00:22:47,789

found cool Kenny prepare to be proven

571  
00:22:45,269 --> 00:22:51,929  
wrong it says here the Unicorn is a

572  
00:22:47,789 --> 00:22:53,190  
creature from fables aha actually I see

573  
00:22:51,929 --> 00:22:55,798  
now that someone just dumped their ice

574  
00:22:53,190 --> 00:22:59,870  
cream cone on that horse's head thanks

575  
00:22:55,798 --> 00:22:59,869  
skeptics dictionary iphone app

576  
00:23:06,720 --> 00:23:14,779  
what we want some more evidence please

577  
00:23:10,640 --> 00:23:14,780  
is Joe alabaster

578  
00:23:17,940 --> 00:23:25,269  
hello this is Joe alabaster from the

579  
00:23:21,609 --> 00:23:29,919  
courier-mail April 22nd 2014 by Paul

580  
00:23:25,269 --> 00:23:32,139  
svet I learned a lot this past week for

581  
00:23:29,920 --> 00:23:33,900  
starters and I suspect many readers will

582  
00:23:32,140 --> 00:23:36,310  
be delighted to be apprised of this

583  
00:23:33,900 --> 00:23:39,580  
apparently I am henceforth to be known

584  
00:23:36,309 --> 00:23:42,730  
as Paul quote smegma head end quote

585  
00:23:39,579 --> 00:23:45,849  
separate and queensland's chief medical

586  
00:23:42,730 --> 00:23:48,539  
officer dr. Jeanette young is quote dr.

587  
00:23:45,849 --> 00:23:50,980  
death the super quack end quote

588  
00:23:48,539 --> 00:23:53,920  
according to read a terry of Caboolture

589  
00:23:50,980 --> 00:23:55,960  
quote flawed genetic input from every

590  
00:23:53,920 --> 00:23:58,360  
mating on all familial lines from the

591  
00:23:55,960 --> 00:24:00,309  
original primordial ooze up to the

592  
00:23:58,359 --> 00:24:02,169  
unwanted scourge arrival of this power

593  
00:24:00,309 --> 00:24:04,480  
would be required to produce these to

594  
00:24:02,170 --> 00:24:06,670  
consummate duds is this the only

595  
00:24:04,480 --> 00:24:10,440  
explanation for their overt display of

596  
00:24:06,670 --> 00:24:12,880  
psychopathic excesses end quote wow

597  
00:24:10,440 --> 00:24:15,430  
there's a good B movie script lurking in

598  
00:24:12,880 --> 00:24:17,320  
there somewhere at least unlike a lot of

599

00:24:15,430 --> 00:24:19,870  
correspondence in recent days from

600  
00:24:17,319 --> 00:24:21,549  
various anti-vaccination cranks the

601  
00:24:19,869 --> 00:24:23,619  
missive was not written in very sassy

602  
00:24:21,549 --> 00:24:27,430  
block capitals with the tendon

603  
00:24:23,619 --> 00:24:28,689  
highlighting my crime was to write in

604  
00:24:27,430 --> 00:24:30,759  
support of the science that

605  
00:24:28,690 --> 00:24:32,890  
unequivocally demonstrates the benefits

606  
00:24:30,759 --> 00:24:34,839  
of vaccination against preventable and

607  
00:24:32,890 --> 00:24:36,790  
sometimes deadly diseases such as

608  
00:24:34,839 --> 00:24:38,500  
whooping cough and measles and to

609  
00:24:36,789 --> 00:24:40,480  
question the misleading and sometimes

610  
00:24:38,500 --> 00:24:42,819  
fanciful adjure Pro disseminated by the

611  
00:24:40,480 --> 00:24:44,470  
anti facts of Angeles thankfully have

612  
00:24:42,819 --> 00:24:46,750  
since been bombarded with a wealth of

613  
00:24:44,470 --> 00:24:49,390

eclectic literature much of it helpfully

614

00:24:46,750 --> 00:24:51,490

underlined or marked in bold seeking to

615

00:24:49,390 --> 00:24:54,790

correct my clearly errant acceptance of

616

00:24:51,490 --> 00:24:57,279

modern medicine did you know for example

617

00:24:54,789 --> 00:25:01,109

the vaccines are responsible for their

618

00:24:57,279 --> 00:25:05,009

quote peanut allergy epidemic end quote

619

00:25:01,109 --> 00:25:07,359

which is a product of a quote

620

00:25:05,009 --> 00:25:10,900

pharmaceutical medical media and

621

00:25:07,359 --> 00:25:14,829

government cover-up end quote true fact

622

00:25:10,900 --> 00:25:16,870

or did you realize that the science

623

00:25:14,829 --> 00:25:19,000

behind herd immunity where group

624

00:25:16,869 --> 00:25:20,979

immunity reaches a level usually above

625

00:25:19,000 --> 00:25:22,630

ninety percent that makes wide scale

626

00:25:20,980 --> 00:25:26,740

transmission of a particular disease

627

00:25:22,630 --> 00:25:28,480

very difficult is absolute bunk I also

628  
00:25:26,740 --> 00:25:29,339  
learnt vaccinations actually make

629  
00:25:28,480 --> 00:25:31,710  
children much

630  
00:25:29,339 --> 00:25:33,559  
I'm prone to various illnesses than

631  
00:25:31,710 --> 00:25:36,480  
those kids who haven't had a job I

632  
00:25:33,559 --> 00:25:39,899  
learned this in an email that referred

633  
00:25:36,480 --> 00:25:43,069  
me to a quote study end quote done by a

634  
00:25:39,900 --> 00:25:45,680  
German homeopathic practitioner who

635  
00:25:43,069 --> 00:25:50,759  
conducted an Internet questionnaire

636  
00:25:45,680 --> 00:25:52,650  
proof worse there are apparently more

637  
00:25:50,759 --> 00:25:54,869  
sinister forces at work and drug

638  
00:25:52,650 --> 00:25:57,509  
companies designed vaccines to fail and

639  
00:25:54,869 --> 00:26:01,769  
actively create pandemics to boost their

640  
00:25:57,509 --> 00:26:03,869  
vaccine sales quote epidemics are a

641  
00:26:01,769 --> 00:26:05,879  
marketing tool to create demand for a

642  
00:26:03,869 --> 00:26:07,500  
profitable product that people can be

643  
00:26:05,880 --> 00:26:09,750  
convinced to purchase over and over

644  
00:26:07,500 --> 00:26:12,450  
again year after year whether it works

645  
00:26:09,750 --> 00:26:15,059  
or not and how do you create that demand

646  
00:26:12,450 --> 00:26:17,090  
you engineer an epidemic by making sure

647  
00:26:15,059 --> 00:26:19,710  
your own vaccine products don't work

648  
00:26:17,089 --> 00:26:22,049  
fear drives people to get vaccinated so

649  
00:26:19,710 --> 00:26:26,610  
fear is used as the primary marketing

650  
00:26:22,049 --> 00:26:29,970  
tool end quote this can all be found on

651  
00:26:26,609 --> 00:26:31,649  
one quote news and quote website to

652  
00:26:29,970 --> 00:26:33,750  
which several anti-vaxxers helpfully

653  
00:26:31,650 --> 00:26:37,050  
directed me we can also find information

654  
00:26:33,750 --> 00:26:39,420  
such as quote scientists warn the rise

655  
00:26:37,049 --> 00:26:43,319  
of aluminium will lead to extinction of

656

00:26:39,420 --> 00:26:46,050  
humankind end quote and quote Malaysia

657  
00:26:43,319 --> 00:26:50,159  
Airlines flight 370 now clearly a

658  
00:26:46,049 --> 00:26:52,440  
government cover-up end quote it is I'm

659  
00:26:50,160 --> 00:26:56,160  
afraid to concede halt a conspiracy and

660  
00:26:52,440 --> 00:26:59,009  
as one reader wrote quote the wh 0 in

661  
00:26:56,160 --> 00:27:00,960  
CDC are all part of it to stirring up a

662  
00:26:59,009 --> 00:27:04,769  
rational fear and panic like they did

663  
00:27:00,960 --> 00:27:07,590  
with the h5n1 virus a few years ago it

664  
00:27:04,769 --> 00:27:09,269  
turns out that wh 0 panel members

665  
00:27:07,589 --> 00:27:11,819  
received kickbacks from drug companies

666  
00:27:09,269 --> 00:27:16,529  
to engineer these anti science scare

667  
00:27:11,819 --> 00:27:19,049  
stories and quote learnt we shouldn't be

668  
00:27:16,529 --> 00:27:21,180  
too hard on conspiracy theorists for as

669  
00:27:19,049 --> 00:27:24,119  
ready Jake who took issue with my use of

670  
00:27:21,180 --> 00:27:26,070

the term wing nuts once there are very

671

00:27:24,119 --> 00:27:27,989

valid questions to be asked about the

672

00:27:26,069 --> 00:27:30,240

push for the one world government the

673

00:27:27,990 --> 00:27:32,190

origins of fluoridation of water in Nazi

674

00:27:30,240 --> 00:27:34,589

concentration camps and the real

675

00:27:32,190 --> 00:27:38,400

circumstances of the 911 terror attacks

676

00:27:34,589 --> 00:27:39,959

the truth as they say is out there but

677

00:27:38,400 --> 00:27:41,280

you certainly won't find it talking to

678

00:27:39,960 --> 00:27:43,880

the religious cult that is the

679

00:27:41,279 --> 00:27:43,879

anti-vaccine

680

00:27:44,950 --> 00:27:47,009

you

681

00:27:51,829 --> 00:27:57,679

in a world where the truth is a matter

682

00:27:59,940 --> 00:28:05,600

your messages are a scene for beyond the

683

00:28:03,298 --> 00:28:05,599

movie

684

00:28:07,878 --> 00:28:13,509

and reason is sidelined for magical sync

685  
00:28:13,929 --> 00:28:18,570  
only three men stand between the truth

686  
00:28:19,558 --> 00:28:24,730  
what date is it 78 several thing this is

687  
00:28:23,319 --> 00:28:26,378  
impressive it's beating our system

688  
00:28:24,730 --> 00:28:29,200  
present they're not their photographs of

689  
00:28:26,378 --> 00:28:31,240  
Chinese anthem it's not we are not well

690  
00:28:29,200 --> 00:28:33,009  
received is a good guard we're fully

691  
00:28:31,240 --> 00:28:34,778  
don't discuss cryptozoology on the show

692  
00:28:33,009 --> 00:28:36,819  
very often because we don't know

693  
00:28:34,778 --> 00:28:38,618  
anything about how the truth the price

694  
00:28:36,819 --> 00:28:40,450  
gets lower and lower and lower and then

695  
00:28:38,618 --> 00:28:44,769  
he hits the ceiling it's a ceiling for

696  
00:28:40,450 --> 00:28:46,600  
the room below skeptic to the cave for

697  
00:28:44,769 --> 00:28:50,759  
the Merseyside skeptics society find us

698  
00:28:46,599 --> 00:28:50,759  
on iTunes or you know don't

699  
00:28:59,529 --> 00:29:03,220  
joining me now all the way from

700  
00:29:01,089 --> 00:29:06,369  
beautiful Adelaide in South Australia

701  
00:29:03,220 --> 00:29:09,490  
the voice you know so well it's dr. Paul

702  
00:29:06,369 --> 00:29:11,439  
Willis from our IRS hello Paul hey

703  
00:29:09,490 --> 00:29:13,839  
Richard you're looking younger and

704  
00:29:11,440 --> 00:29:16,299  
younger every time I see you on skype oh

705  
00:29:13,839 --> 00:29:21,669  
how embarrassing I wasn't quite ready to

706  
00:29:16,299 --> 00:29:23,500  
be viewed the day you got and your look

707  
00:29:21,670 --> 00:29:26,289  
you you're looking just the same I don't

708  
00:29:23,500 --> 00:29:30,160  
know if that's a compliment or what yeah

709  
00:29:26,289 --> 00:29:32,289  
what do believe that one right there now

710  
00:29:30,160 --> 00:29:33,370  
what an exciting time you've had lately

711  
00:29:32,289 --> 00:29:34,509  
we're going to be talking about all

712  
00:29:33,369 --> 00:29:37,509  
sorts of interesting things what's

713

00:29:34,509 --> 00:29:39,730  
happening at our IRS Doctor Who your

714  
00:29:37,509 --> 00:29:41,440  
this which is very exciting and what big

715  
00:29:39,730 --> 00:29:43,329  
doctor who fan but you've only

716  
00:29:41,440 --> 00:29:45,309  
relatively recently come back from

717  
00:29:43,329 --> 00:29:48,189  
somewhere that I've always wanted to go

718  
00:29:45,309 --> 00:29:51,279  
the Antarctic what were you doing there

719  
00:29:48,190 --> 00:29:54,100  
and what did you find this this is one

720  
00:29:51,279 --> 00:29:56,230  
of my semi regular Julius down to

721  
00:29:54,099 --> 00:30:02,740  
Antarctica it was my eighth time down

722  
00:29:56,230 --> 00:30:06,519  
there I go along with a sewer company as

723  
00:30:02,740 --> 00:30:08,529  
their expert guide to show tourists the

724  
00:30:06,519 --> 00:30:11,589  
fossils that are found on the Antarctic

725  
00:30:08,529 --> 00:30:13,389  
Peninsula but this time was a bit

726  
00:30:11,589 --> 00:30:18,279  
different from the previous trips in a

727  
00:30:13,390 --> 00:30:20,680

number of ways firstly the areas that we

728

00:30:18,279 --> 00:30:22,450

wanted to get into where the fossils are

729

00:30:20,680 --> 00:30:27,070

we couldn't get anywhere near because

730

00:30:22,450 --> 00:30:30,910

the ice was so bad secondly this trip

731

00:30:27,069 --> 00:30:33,429

was actually more focused on going in

732

00:30:30,910 --> 00:30:35,410

the footsteps of Ernest Shackleton so we

733

00:30:33,430 --> 00:30:37,390

went from the Antarctic Peninsula across

734

00:30:35,410 --> 00:30:40,810

the South Georgia as my first time there

735

00:30:37,390 --> 00:30:44,680

and then back through the Falklands to

736

00:30:40,809 --> 00:30:47,019

South America so there was that was all

737

00:30:44,680 --> 00:30:48,700

new to me and another thing that was

738

00:30:47,019 --> 00:30:52,240

different this time around was I got to

739

00:30:48,700 --> 00:30:55,180

take my eight-year-old son Chester trip

740

00:30:52,240 --> 00:30:59,349

of a lifetime and I still don't think

741

00:30:55,180 --> 00:31:00,789

the Penguins know what what a thrill for

742  
00:30:59,349 --> 00:31:04,839  
an eight-year-old what a thrill for any

743  
00:31:00,789 --> 00:31:07,119  
age I would think we see stories and on

744  
00:31:04,839 --> 00:31:09,099  
TV even see documentaries and reports

745  
00:31:07,119 --> 00:31:13,548  
people sailing down to the Antarctic and

746  
00:31:09,099 --> 00:31:15,079  
they're just gobsmacked by the icebergs

747  
00:31:13,548 --> 00:31:18,259  
the first encounter the icebergs do you

748  
00:31:15,079 --> 00:31:20,599  
still get that oh yeah but Antarctica

749  
00:31:18,259 --> 00:31:22,220  
steals a part of your heart never gives

750  
00:31:20,599 --> 00:31:26,839  
it back every time you go down there

751  
00:31:22,220 --> 00:31:28,940  
it's gobsmacking you beautiful but this

752  
00:31:26,839 --> 00:31:30,888  
time round getting to see South Georgia

753  
00:31:28,940 --> 00:31:35,028  
for the first time that is also a

754  
00:31:30,888 --> 00:31:37,278  
gorgeous place very hard but i nicknamed

755  
00:31:35,028 --> 00:31:41,298  
it switzerland on sea because you know

756  
00:31:37,278 --> 00:31:44,200  
you've got 3,000 meter peaks thrusting

757  
00:31:41,298 --> 00:31:47,509  
straight out of the Southern Ocean and

758  
00:31:44,200 --> 00:31:49,909  
crested fringed with hundreds of

759  
00:31:47,509 --> 00:31:52,788  
thousands of king penguins and baby fur

760  
00:31:49,909 --> 00:31:56,419  
seals it just absolutely an amazing

761  
00:31:52,788 --> 00:31:59,450  
place wow you're making me jealous

762  
00:31:56,419 --> 00:32:01,220  
absolutely but I find this whole idea of

763  
00:31:59,450 --> 00:32:03,798  
a continent full of fossils so

764  
00:32:01,220 --> 00:32:06,019  
interesting and you tell the story at

765  
00:32:03,798 --> 00:32:07,489  
once of course that you want them down

766  
00:32:06,019 --> 00:32:12,099  
there one of your many adventures and

767  
00:32:07,489 --> 00:32:16,038  
found a plesiosaur yeah it's not as if

768  
00:32:12,099 --> 00:32:18,709  
Antarctica is carpeted with fossils but

769  
00:32:16,038 --> 00:32:20,929  
there are some very special islands on

770

00:32:18,710 --> 00:32:23,840  
the eastern side of the Antarctic

771  
00:32:20,929 --> 00:32:25,820  
Peninsula where there are a number of

772  
00:32:23,839 --> 00:32:28,069  
different types of fossils from a number

773  
00:32:25,819 --> 00:32:30,618  
of different ages but the ones that I'm

774  
00:32:28,069 --> 00:32:32,628  
particularly interested in from the

775  
00:32:30,618 --> 00:32:35,349  
latest Cretaceous period so really at

776  
00:32:32,628 --> 00:32:37,969  
the end of the age of the dinosaurs and

777  
00:32:35,349 --> 00:32:41,388  
you know you can literally be walking

778  
00:32:37,970 --> 00:32:44,839  
across an ancient seabed which is

779  
00:32:41,388 --> 00:32:47,898  
carpeted in fossils of various types of

780  
00:32:44,839 --> 00:32:51,349  
shells of marine snails and plants and

781  
00:32:47,898 --> 00:32:54,048  
then suddenly they stopped and that line

782  
00:32:51,349 --> 00:32:56,269  
in the dirt where they stopped that's

783  
00:32:54,048 --> 00:32:59,089  
when the meteorite here that's when the

784  
00:32:56,269 --> 00:33:02,509

dinosaurs were wiped out and survey able

785

00:32:59,089 --> 00:33:05,209

to actually see firsthand an event that

786

00:33:02,509 --> 00:33:07,278

happened 65 million years ago yeah the

787

00:33:05,210 --> 00:33:11,499

best says they've chill down my spine

788

00:33:07,278 --> 00:33:13,788

every time I can't help that wonder what

789

00:33:11,499 --> 00:33:17,298

amazing things are yet to be discovered

790

00:33:13,788 --> 00:33:19,339

in the Antarctic I mean new animals

791

00:33:17,298 --> 00:33:21,308

unknown to science it's this just

792

00:33:19,339 --> 00:33:24,699

boggles the mind

793

00:33:21,308 --> 00:33:26,470

yeah and you know as they're exploring

794

00:33:24,700 --> 00:33:27,850

around there particularly underwater

795

00:33:26,470 --> 00:33:30,788

they're finding all kinds of interesting

796

00:33:27,849 --> 00:33:33,339

things it was only a few years back

797

00:33:30,788 --> 00:33:35,919

about five years ago that they found

798

00:33:33,339 --> 00:33:37,538

something that they think they're still

799

00:33:35,919 --> 00:33:42,340  
not quite sure but that I think is

800

00:33:37,538 --> 00:33:45,339  
actually a related to grata lights now

801

00:33:42,339 --> 00:33:47,648  
grab delights of fossils that were

802

00:33:45,339 --> 00:33:53,949  
particularly under in the Ordovician

803

00:33:47,648 --> 00:33:56,768  
period so you know that 482 510 million

804

00:33:53,950 --> 00:34:01,720  
years ago a really old top period they

805

00:33:56,769 --> 00:34:04,388  
were so abundant in that period that you

806

00:34:01,720 --> 00:34:06,429  
can actually date the the the various

807

00:34:04,388 --> 00:34:08,500  
layers of that period by the different

808

00:34:06,429 --> 00:34:11,710  
types of data life that a famine it and

809

00:34:08,500 --> 00:34:13,898  
then they just disappear so you don't

810

00:34:11,710 --> 00:34:18,039  
fund them in the fossil record at all

811

00:34:13,898 --> 00:34:20,259  
after that very early period and then a

812

00:34:18,039 --> 00:34:23,529  
couple of years back they found what

813  
00:34:20,260 --> 00:34:27,940  
they think is a living one of under the

814  
00:34:23,530 --> 00:34:30,550  
ocean of Antarctica so you know yes

815  
00:34:27,940 --> 00:34:32,349  
you're dead right there's still lots and

816  
00:34:30,550 --> 00:34:34,869  
lots of stuff to be discovered down

817  
00:34:32,349 --> 00:34:38,019  
there both as fossils and as living

818  
00:34:34,869 --> 00:34:40,450  
creatures and carnal and of course

819  
00:34:38,019 --> 00:34:42,190  
when you go down as during the summer

820  
00:34:40,449 --> 00:34:43,598  
period in the southern hemisphere you

821  
00:34:42,190 --> 00:34:47,318  
can't really go down there in the winter

822  
00:34:43,599 --> 00:34:50,619  
time is it bloody freezing cold down

823  
00:34:47,318 --> 00:34:54,039  
there even in the summertime I know this

824  
00:34:50,619 --> 00:34:57,400  
sounds incredibly stupid of me Richard

825  
00:34:54,039 --> 00:35:00,309  
but something I'd forgotten that i was

826  
00:34:57,400 --> 00:35:03,849  
reminded forcefully this tree was how

827

00:35:00,309 --> 00:35:07,449  
cold antar degrees its body cold and

828  
00:35:03,849 --> 00:35:11,530  
it's the kind of penetrating coal I mean

829  
00:35:07,449 --> 00:35:14,019  
I say is bloody cold but you know I

830  
00:35:11,530 --> 00:35:16,420  
don't think we got down below minus 10

831  
00:35:14,019 --> 00:35:18,489  
at any part of this trip not with

832  
00:35:16,420 --> 00:35:21,970  
windchill that connect me awfully cold

833  
00:35:18,489 --> 00:35:24,159  
and it's that kind of cold that cuts

834  
00:35:21,969 --> 00:35:26,949  
through to the bone you know it's not

835  
00:35:24,159 --> 00:35:31,149  
just a cold environment it's a cold

836  
00:35:26,949 --> 00:35:33,109  
internal a horrible thing yeah but you

837  
00:35:31,150 --> 00:35:35,420  
know you don't

838  
00:35:33,110 --> 00:35:38,390  
can go down there prepared you rubbed up

839  
00:35:35,420 --> 00:35:40,760  
you have the the gear to withstand there

840  
00:35:38,389 --> 00:35:43,250  
and even that it's worse you know you're

841  
00:35:40,760 --> 00:35:44,750

only exposed to it for now or so and

842

00:35:43,250 --> 00:35:47,690

then you're back on board a nice warm

843

00:35:44,750 --> 00:35:50,690

boat I don't know gmt watch any icebergs

844

00:35:47,690 --> 00:35:53,420

float past so it really is the the

845

00:35:50,690 --> 00:35:55,400

gentle way of a senior well the people

846

00:35:53,420 --> 00:35:56,780

who are lucky enough to be your friends

847

00:35:55,400 --> 00:35:59,180

on Facebook would have seen various

848

00:35:56,780 --> 00:36:00,920

photographs come back from that part of

849

00:35:59,179 --> 00:36:03,409

the world which is fascinating and I

850

00:36:00,920 --> 00:36:05,720

noticed you took down your your hat with

851

00:36:03,409 --> 00:36:08,809

the moose ears on it again yeah yeah

852

00:36:05,719 --> 00:36:12,230

that's my dragon hat I found that in New

853

00:36:08,809 --> 00:36:14,360

Zealand many years ago well I mean what

854

00:36:12,230 --> 00:36:18,559

people ask me why do I wear the dragon

855

00:36:14,360 --> 00:36:21,470

hat it keeps my head warm but also you

856  
00:36:18,559 --> 00:36:24,320  
know there are there is a another

857  
00:36:21,469 --> 00:36:26,409  
practical reason for wearing that and

858  
00:36:24,320 --> 00:36:29,720  
that is that when we're out actually

859  
00:36:26,409 --> 00:36:33,199  
crossing various islands looking for

860  
00:36:29,719 --> 00:36:35,629  
fossils and you know we'll have 50 or

861  
00:36:33,199 --> 00:36:38,000  
people spread out over quite an area and

862  
00:36:35,630 --> 00:36:39,710  
I'm the only player and soldier salon

863  
00:36:38,000 --> 00:36:42,590  
and they're finding things and they want

864  
00:36:39,710 --> 00:36:45,309  
to find me in a hurry to be able to to

865  
00:36:42,590 --> 00:36:48,289  
identify what it is that they found and

866  
00:36:45,309 --> 00:36:51,679  
what I've got that hat on everybody

867  
00:36:48,289 --> 00:36:54,829  
knows where to help I am well there you

868  
00:36:51,679 --> 00:36:56,779  
are and has a very practical point to it

869  
00:36:54,829 --> 00:36:59,269  
you were wearing that had a couple of

870  
00:36:56,780 --> 00:37:01,550  
years ago when you made a video to help

871  
00:36:59,269 --> 00:37:03,800  
the 10 23 campaign the anti homeopathy

872  
00:37:01,550 --> 00:37:07,340  
campaign and you're the person who has

873  
00:37:03,800 --> 00:37:10,370  
overdosed on homeopathy in further south

874  
00:37:07,340 --> 00:37:13,640  
than anybody else I think yes that was

875  
00:37:10,369 --> 00:37:17,569  
that was quite a coup that with that

876  
00:37:13,639 --> 00:37:19,819  
there was that international event yeah

877  
00:37:17,570 --> 00:37:24,430  
if people trying to overdose on

878  
00:37:19,820 --> 00:37:27,559  
homeopathic remedies and someone said

879  
00:37:24,429 --> 00:37:31,429  
we've got every continent covered except

880  
00:37:27,559 --> 00:37:34,029  
Antarctica I said I'm going to

881  
00:37:31,429 --> 00:37:37,609  
Antarctica probably there on the on the

882  
00:37:34,030 --> 00:37:39,410  
challenge today so yeah we actually had

883  
00:37:37,610 --> 00:37:41,329  
a lot of fun with that I think the bit

884

00:37:39,409 --> 00:37:43,779  
that the best part was the ship's doctor

885  
00:37:41,329 --> 00:37:46,360  
got involved

886  
00:37:43,780 --> 00:37:49,390  
to be involved and he was standing by

887  
00:37:46,360 --> 00:37:51,250  
with the defibrillator something went

888  
00:37:49,389 --> 00:37:53,529  
wrong but in the best spirit of

889  
00:37:51,250 --> 00:37:56,349  
homeopathy we didn't plug the

890  
00:37:53,530 --> 00:37:58,510  
defibrillator in expecting it to work on

891  
00:37:56,349 --> 00:38:02,049  
the memory of electrons having passed

892  
00:37:58,510 --> 00:38:03,940  
through its system so yeah it was a bit

893  
00:38:02,050 --> 00:38:05,350  
of fun it was a bit naughty what's good

894  
00:38:03,940 --> 00:38:07,210  
out with that was good fun because I

895  
00:38:05,349 --> 00:38:08,799  
remember you just got back to Australia

896  
00:38:07,210 --> 00:38:11,050  
you came around to my place with the raw

897  
00:38:08,800 --> 00:38:13,000  
tape and we added that little video on

898  
00:38:11,050 --> 00:38:14,769

the spot I'll link to that video in the

899

00:38:13,000 --> 00:38:16,840

show notes for this week's episode but

900

00:38:14,769 --> 00:38:18,429

now let's talk about things closer to

901

00:38:16,840 --> 00:38:19,870

home let's talk about the goings on at

902

00:38:18,429 --> 00:38:23,019

the moment at the Royal Institution of

903

00:38:19,869 --> 00:38:24,630

Australia at ww r-ia us dot org today

904

00:38:23,019 --> 00:38:27,489

you as my listeners know very well

905

00:38:24,630 --> 00:38:33,730

what's this about Doctor Who tell me

906

00:38:27,489 --> 00:38:35,529

more look it's a long strange story as

907

00:38:33,730 --> 00:38:38,650

to how it came about but essentially

908

00:38:35,530 --> 00:38:43,390

we've teamed up with BBC worldwide and

909

00:38:38,650 --> 00:38:45,700

we are taking a public event on the road

910

00:38:43,389 --> 00:38:47,739

across Australia we're going to Perth

911

00:38:45,699 --> 00:38:51,009

we're going to Brisbane we're doing

912

00:38:47,739 --> 00:38:53,500

shows here in adelaide shows in sydney

913  
00:38:51,010 --> 00:38:55,720  
and in melbourne and there's already

914  
00:38:53,500 --> 00:38:59,170  
plans to go around some of the smaller

915  
00:38:55,719 --> 00:39:01,779  
regional centers as well essentially

916  
00:38:59,170 --> 00:39:06,280  
it's a show that looks at the science of

917  
00:39:01,780 --> 00:39:09,160  
Doctor Who and we've got a rob lloyd is

918  
00:39:06,280 --> 00:39:11,620  
a comedian who is actually the host of

919  
00:39:09,159 --> 00:39:13,809  
the evening and we've got a lineup of

920  
00:39:11,619 --> 00:39:16,719  
top-notch scientists talking about

921  
00:39:13,809 --> 00:39:18,340  
things like regeneration the TARDIS can

922  
00:39:16,719 --> 00:39:21,789  
something actually be bigger on the

923  
00:39:18,340 --> 00:39:24,370  
inside than the out life on other

924  
00:39:21,789 --> 00:39:27,190  
planets is extraterrestrial life and

925  
00:39:24,369 --> 00:39:31,389  
time travel you know is there actually

926  
00:39:27,190 --> 00:39:34,150  
any science behind the the way that the

927  
00:39:31,389 --> 00:39:39,129  
doctor is able to do so flippantly Zach

928  
00:39:34,150 --> 00:39:41,380  
that means I don't and yet so it's a big

929  
00:39:39,130 --> 00:39:44,800  
event because we will to working with

930  
00:39:41,380 --> 00:39:47,050  
the BBC we're allowed to use footage

931  
00:39:44,800 --> 00:39:50,500  
from the doctor who series to illustrate

932  
00:39:47,050 --> 00:39:53,620  
the points and look at anybody out there

933  
00:39:50,500 --> 00:39:55,449  
who's has any interest in Doctor Who and

934  
00:39:53,619 --> 00:39:57,460  
any interest in science

935  
00:39:55,449 --> 00:39:59,349  
do yourself a favor there's Molly

936  
00:39:57,460 --> 00:40:01,900  
Melbourne used to say do yourself a

937  
00:39:59,349 --> 00:40:04,329  
favor get along and watch the show you

938  
00:40:01,900 --> 00:40:06,910  
can find full details and book tickets

939  
00:40:04,329 --> 00:40:08,500  
through the RL website well that's

940  
00:40:06,909 --> 00:40:10,029  
really exciting pool and I'm so glad

941

00:40:08,500 --> 00:40:11,769  
that you're considering or hopefully

942  
00:40:10,030 --> 00:40:16,840  
going to do regional centers because you

943  
00:40:11,769 --> 00:40:18,519  
know I grew up in a regional center way

944  
00:40:16,840 --> 00:40:21,640  
up on the north coast of New South Wales

945  
00:40:18,519 --> 00:40:24,610  
and we didn't get many things come our

946  
00:40:21,639 --> 00:40:26,879  
way so I think regional Australia

947  
00:40:24,610 --> 00:40:30,610  
outreach is very important to that area

948  
00:40:26,880 --> 00:40:34,360  
yeah and you know it's part of the whole

949  
00:40:30,610 --> 00:40:39,280  
mission of our oils we're Australia's

950  
00:40:34,360 --> 00:40:41,019  
only national charity that deals in

951  
00:40:39,280 --> 00:40:45,400  
science communication and science

952  
00:40:41,019 --> 00:40:48,239  
engagement and so how do we not only go

953  
00:40:45,400 --> 00:40:50,800  
to other major cities around the country

954  
00:40:48,239 --> 00:40:52,659  
but how do we reach to the regional

955  
00:40:50,800 --> 00:40:55,720

centres how do we reach the people in

956

00:40:52,659 --> 00:40:57,549

their homes in the outback and the

957

00:40:55,719 --> 00:41:00,939

online environment provides the

958

00:40:57,550 --> 00:41:02,860

opportunity to be able to do that so you

959

00:41:00,940 --> 00:41:06,460

know in the case of the doctor who

960

00:41:02,860 --> 00:41:08,980

series that that is the tool or of blood

961

00:41:06,460 --> 00:41:12,460

events at venues throughout the country

962

00:41:08,980 --> 00:41:15,250

but most of what we're doing our events

963

00:41:12,460 --> 00:41:18,460

most of them held here in adelaide but

964

00:41:15,250 --> 00:41:21,309

we live stream them and we have a full

965

00:41:18,460 --> 00:41:23,349

chat room and twitter back up so that

966

00:41:21,309 --> 00:41:26,320

you can be anywhere in the country and

967

00:41:23,349 --> 00:41:29,619

you can join in on the conversation we

968

00:41:26,320 --> 00:41:33,130

last year we had world vasectomy day yes

969

00:41:29,619 --> 00:41:36,309

he had 17 vasectomies performed in

970  
00:41:33,130 --> 00:41:40,079  
adelaide in front of our cameras and we

971  
00:41:36,309 --> 00:41:45,880  
were able to use their opportunity to

972  
00:41:40,079 --> 00:41:48,489  
talk to people about men's health family

973  
00:41:45,880 --> 00:41:51,550  
planning and world population problems

974  
00:41:48,489 --> 00:41:54,129  
and all of that got under that we've

975  
00:41:51,550 --> 00:41:57,160  
picked up by Reuters and beamed to

976  
00:41:54,130 --> 00:41:59,920  
newsrooms around the world yeah it's a

977  
00:41:57,159 --> 00:42:02,589  
huge easy way for us to be able to

978  
00:41:59,920 --> 00:42:04,869  
communicate with people anywhere in the

979  
00:42:02,590 --> 00:42:07,600  
country anywhere on the planet and for

980  
00:42:04,869 --> 00:42:08,420  
them to be able to communicate to us so

981  
00:42:07,599 --> 00:42:10,730  
it's a gay

982  
00:42:08,420 --> 00:42:12,550  
it's not just you know someone talking

983  
00:42:10,730 --> 00:42:15,320  
about their favorite subatomic particle

984  
00:42:12,550 --> 00:42:17,900  
if we're putting on an event it's an

985  
00:42:15,320 --> 00:42:20,300  
opportunity for you wherever you are to

986  
00:42:17,900 --> 00:42:23,300  
be involved in a discussion on that

987  
00:42:20,300 --> 00:42:24,860  
particular area of science no I think

988  
00:42:23,300 --> 00:42:28,190  
that's just the ticket to and of course

989  
00:42:24,860 --> 00:42:30,140  
you're the weekly show you do which is a

990  
00:42:28,190 --> 00:42:32,990  
video show and an audio show the

991  
00:42:30,139 --> 00:42:34,369  
weakened science from rirs I listen to

992  
00:42:32,989 --> 00:42:36,199  
certain you would know it as the audio

993  
00:42:34,369 --> 00:42:38,299  
version but i'm sure many of them would

994  
00:42:36,199 --> 00:42:40,069  
also tune in and see the the video

995  
00:42:38,300 --> 00:42:42,590  
version that i think it's such a

996  
00:42:40,070 --> 00:42:44,510  
worthwhile endeavor I don't know how

997  
00:42:42,590 --> 00:42:45,980  
long it takes you each week or the

998

00:42:44,510 --> 00:42:48,530  
institution each week to put nap

999  
00:42:45,980 --> 00:42:50,539  
together but whatever the time is I

1000  
00:42:48,530 --> 00:42:51,890  
think it's it's really great and what

1001  
00:42:50,539 --> 00:42:53,750  
goes for two or three minutes it's

1002  
00:42:51,889 --> 00:42:56,299  
packed full of information and it's an

1003  
00:42:53,750 --> 00:42:59,960  
interesting little science he bit to

1004  
00:42:56,300 --> 00:43:01,610  
round off the week yeah well thank you

1005  
00:42:59,960 --> 00:43:05,449  
very much we're very proud of the week

1006  
00:43:01,610 --> 00:43:07,550  
in science and you know we've got all

1007  
00:43:05,449 --> 00:43:11,089  
the studio facilities to be able to make

1008  
00:43:07,550 --> 00:43:15,140  
video content so a week in science was

1009  
00:43:11,090 --> 00:43:19,190  
just a our opportunity to use that

1010  
00:43:15,139 --> 00:43:21,469  
equipment to make science videos you

1011  
00:43:19,190 --> 00:43:25,670  
know regular weekly update science

1012  
00:43:21,469 --> 00:43:29,059

videos and they've really taken off did

1013

00:43:25,670 --> 00:43:30,559

not just seem through our networks where

1014

00:43:29,059 --> 00:43:33,049

we're getting something around about

1015

00:43:30,559 --> 00:43:35,150

thirty odd thousand views a week of the

1016

00:43:33,050 --> 00:43:38,330

various weeks in science all up across

1017

00:43:35,150 --> 00:43:43,220

various platforms but we've also the

1018

00:43:38,329 --> 00:43:46,969

apac channel on on cable television they

1019

00:43:43,219 --> 00:43:52,250

are taking a week in science and so the

1020

00:43:46,969 --> 00:43:54,799

apec channel is used widely by ministers

1021

00:43:52,250 --> 00:43:56,119

and politicians it's usually the the

1022

00:43:54,800 --> 00:43:58,280

channel that they'll have on the

1023

00:43:56,119 --> 00:44:00,739

television in their office so we're

1024

00:43:58,280 --> 00:44:02,480

getting a little dose of science under

1025

00:44:00,739 --> 00:44:04,159

the nose of politicians across the

1026

00:44:02,480 --> 00:44:07,400

country by being able to go through the

1027  
00:44:04,159 --> 00:44:09,230  
apac channel so yeah we're really we're

1028  
00:44:07,400 --> 00:44:10,820  
really quite proud of a week in science

1029  
00:44:09,230 --> 00:44:12,440  
and and it's a lot of fun it's a lot of

1030  
00:44:10,820 --> 00:44:14,480  
hard work to pull together but it's a

1031  
00:44:12,440 --> 00:44:16,220  
lot of fun and and it's getting the

1032  
00:44:14,480 --> 00:44:18,230  
sorts of audience that it deserves

1033  
00:44:16,219 --> 00:44:19,489  
that's really good to hear and just for

1034  
00:44:18,230 --> 00:44:21,889  
the benefit of our international

1035  
00:44:19,489 --> 00:44:22,359  
listeners when Paul says it's getting to

1036  
00:44:21,889 --> 00:44:24,400  
the 10

1037  
00:44:22,360 --> 00:44:29,260  
of Ministers he doesn't mean religious

1038  
00:44:24,400 --> 00:44:32,500  
ministers he means politicians who knows

1039  
00:44:29,260 --> 00:44:35,680  
maybe even religious ministers to yeah

1040  
00:44:32,500 --> 00:44:39,429  
well yet no point preaching to the

1041  
00:44:35,679 --> 00:44:41,379  
converted well Paul I keep threatening

1042  
00:44:39,429 --> 00:44:43,539  
to come down to Adelaide to visit the

1043  
00:44:41,380 --> 00:44:45,700  
royal institution of australia i will do

1044  
00:44:43,539 --> 00:44:48,809  
it one day i promise i look forward to a

1045  
00:44:45,699 --> 00:44:54,099  
personal tour of your vast collection of

1046  
00:44:48,809 --> 00:44:57,849  
ancient South Pole beers or fossils or

1047  
00:44:54,099 --> 00:45:00,159  
whatever you have for me well you know

1048  
00:44:57,849 --> 00:45:02,170  
Richard is you know I've only been in

1049  
00:45:00,159 --> 00:45:04,750  
that late coming off for three years now

1050  
00:45:02,170 --> 00:45:06,639  
and absolutely love it over here you

1051  
00:45:04,750 --> 00:45:09,159  
know I'll make sure you look good after

1052  
00:45:06,639 --> 00:45:11,619  
if you come over and as I'd like to tell

1053  
00:45:09,159 --> 00:45:13,899  
everybody about my cut my setup here in

1054  
00:45:11,619 --> 00:45:15,730  
that in Adelaide I work in the center of

1055

00:45:13,900 --> 00:45:18,519  
the city I have a 20 minute drive to

1056  
00:45:15,730 --> 00:45:21,280  
work and two or three nights a week I'm

1057  
00:45:18,519 --> 00:45:25,000  
woken up by koalas shagging outside my

1058  
00:45:21,280 --> 00:45:27,790  
bedroom window so how good is that what

1059  
00:45:25,000 --> 00:45:29,829  
more could you want in life and the odd

1060  
00:45:27,789 --> 00:45:33,639  
trip apart from the odd trip to the

1061  
00:45:29,829 --> 00:45:35,349  
Antarctic Paul before we go when is the

1062  
00:45:33,639 --> 00:45:37,989  
Doctor Who thing happening we don't

1063  
00:45:35,349 --> 00:45:41,049  
forget it hurt this weekend brisbane

1064  
00:45:37,989 --> 00:45:44,079  
shows are on may the 10th shows in

1065  
00:45:41,050 --> 00:45:46,720  
sydney on the 23rd 24th and twenty-fifth

1066  
00:45:44,079 --> 00:45:49,239  
of May in Adelaide on the thirty-first

1067  
00:45:46,719 --> 00:45:51,219  
of May and then in Melbourne we've got

1068  
00:45:49,239 --> 00:45:53,559  
shows on the thirteenth fourteenth and

1069  
00:45:51,219 --> 00:45:56,019

fifteenth of June promises to be a

1070

00:45:53,559 --> 00:45:57,909

brilliant fun show it certainly does

1071

00:45:56,019 --> 00:46:00,579

promise to be a brilliant fun show Paul

1072

00:45:57,909 --> 00:46:02,589

I might even see if I can go along

1073

00:46:00,579 --> 00:46:04,869

myself to enjoy the fun of Doctor Who

1074

00:46:02,590 --> 00:46:07,240

and the signs of Doctor Who and all the

1075

00:46:04,869 --> 00:46:09,279

best with your continued adventures at

1076

00:46:07,239 --> 00:46:11,469

the Royal Institution of Australia and

1077

00:46:09,280 --> 00:46:15,820

next time you go to the Antarctic I hope

1078

00:46:11,469 --> 00:46:17,529

you take an extra big suitcase for me it

1079

00:46:15,820 --> 00:46:19,800

would be a very large suitcase because

1080

00:46:17,530 --> 00:46:23,170

there's a lot of people to go with it

1081

00:46:19,800 --> 00:46:24,880

I'm sure there are dr. Paul Willa's from

1082

00:46:23,170 --> 00:46:28,740

the Royal Institution of Australia

1083

00:46:24,880 --> 00:46:28,740

thanks very much pleasure

1084  
00:46:39,679 --> 00:46:44,549  
did you see that UFO sighting that made

1085  
00:46:42,269 --> 00:46:46,230  
the news what did that latest study

1086  
00:46:44,550 --> 00:46:48,660  
about alternative treatments really say

1087  
00:46:46,230 --> 00:46:51,630  
is this photo making the rounds real or

1088  
00:46:48,659 --> 00:46:53,519  
hoax doubtful news is a unique website

1089  
00:46:51,630 --> 00:46:55,650  
featuring news about pseudoscience the

1090  
00:46:53,519 --> 00:46:57,349  
paranormal anomalies and questionable

1091  
00:46:55,650 --> 00:47:00,329  
claims framed with the skeptical view

1092  
00:46:57,349 --> 00:47:02,059  
come visit Delphine newscom every day

1093  
00:47:00,329 --> 00:47:05,789  
for news about cryptozoology

1094  
00:47:02,059 --> 00:47:08,699  
conspiracies shams scams and more follow

1095  
00:47:05,789 --> 00:47:10,259  
us on twitter at doubtful news critical

1096  
00:47:08,699 --> 00:47:12,569  
thinking is essential in assessing

1097  
00:47:10,260 --> 00:47:16,369  
today's news duffel news helps you

1098  
00:47:12,570 --> 00:47:16,369  
decide can you really believe this stuff

1099  
00:47:28,159 --> 00:47:32,670  
thank you for listening to the skeptic

1100  
00:47:30,690 --> 00:47:36,510  
zone don't forget coming up later on in

1101  
00:47:32,670 --> 00:47:38,400  
the year 28 the 30th of November here in

1102  
00:47:36,510 --> 00:47:41,700  
Sydney the Australian skeptics National

1103  
00:47:38,400 --> 00:47:43,559  
Convention one not to be missed not to

1104  
00:47:41,699 --> 00:47:45,269  
be missed dr. Carl cruise on this key

1105  
00:47:43,559 --> 00:47:49,409  
will be there lots and lots and lots of

1106  
00:47:45,269 --> 00:47:51,809  
other people and exciting news dr. Carl

1107  
00:47:49,409 --> 00:47:54,359  
Kozlowski will also be at the amazing

1108  
00:47:51,809 --> 00:47:59,369  
meeting this year in Las Vegas more

1109  
00:47:54,360 --> 00:48:00,900  
information at WWE Randy org and I

1110  
00:47:59,369 --> 00:48:03,599  
notice then it's only just been

1111  
00:48:00,900 --> 00:48:08,070  
announced that bill nye the science guy

1112

00:48:03,599 --> 00:48:10,829  
bill nye will be there as well Wow bill

1113  
00:48:08,070 --> 00:48:13,890  
nye and Carl Kozlowski at the same

1114  
00:48:10,829 --> 00:48:17,009  
convention I wonder if they'll be like

1115  
00:48:13,889 --> 00:48:18,869  
an atomic explosion of grey matter or

1116  
00:48:17,010 --> 00:48:21,900  
something like that who knows who knows

1117  
00:48:18,869 --> 00:48:23,670  
but I look forward to being there but

1118  
00:48:21,900 --> 00:48:26,070  
for now for this week it's Richard

1119  
00:48:23,670 --> 00:48:32,010  
Saunders signing off from Sydney

1120  
00:48:26,070 --> 00:48:36,720  
Australia you've been listening to the

1121  
00:48:32,010 --> 00:48:40,530  
skeptical zone visit her website at [www](http://www)

1122  
00:48:36,719 --> 00:48:44,269  
skeptics on TV for comments contacts and

1123  
00:48:40,530 --> 00:48:44,269  
extra video reports

1124  
00:48:47,190 --> 00:48:49,220  
Oh