

# The Skeptic Zone



**Dr Sile Lane**

**Show 154 - 1 Oct. 2011**

1  
00:00:05,630 --> 00:00:03,409  
next wednesday it begins now quest to

2  
00:00:08,150 --> 00:00:05,640  
find australia's most gifted psychic

3  
00:00:10,190 --> 00:00:08,160  
with your believer or a skeptic he

4  
00:00:13,430 --> 00:00:10,200  
didn't get it he didn't get it who will

5  
00:00:16,580 --> 00:00:13,440  
be the one the search for Australia's

6  
00:00:26,779 --> 00:00:16,590  
most gifted something against the real

7  
00:00:29,060 --> 00:00:26,789  
thing next wednesday on seven welcome to

8  
00:00:32,770 --> 00:00:29,070  
the skeptic zone the podcast from

9  
00:00:46,779 --> 00:00:32,780  
australia for science and reason

10  
00:00:49,360 --> 00:00:46,789  
oh yes yes it starts this wednesday

11  
00:00:52,600 --> 00:00:49,370  
folks this wednesday the one here in

12  
00:00:55,329 --> 00:00:52,610  
australia on channel 7 730 this

13  
00:00:57,459 --> 00:00:55,339

wednesday the fifth of october it's the

14

00:01:01,209 --> 00:00:57,469

TV show starring yours truly Richard

15

00:01:03,490 --> 00:01:01,219

Saunders as The Skeptical judge or the

16

00:01:05,680 --> 00:01:03,500

skeptical judge will I be skeptical

17

00:01:07,690 --> 00:01:05,690

enough that's the question if you're in

18

00:01:10,480 --> 00:01:07,700

Australia and you want to have a bit of

19

00:01:14,139 --> 00:01:10,490

a laugh cheering for channel 7 the one

20

00:01:16,930 --> 00:01:14,149

this week and you'll see what I look

21

00:01:20,740 --> 00:01:16,940

like because i had an email awhile back

22

00:01:23,139 --> 00:01:20,750

from somebody listener who thought i had

23

00:01:24,880 --> 00:01:23,149

a beard because i didn't see a picture

24

00:01:28,359 --> 00:01:24,890

of me that's very interesting no i don't

25

00:01:31,389 --> 00:01:28,369

have a beard glasses though yes glasses

26

00:01:33,820 --> 00:01:31,399

got all my hair to be great but I don't

27

00:01:36,070 --> 00:01:33,830

have a beer this is Richard Saunders

28

00:01:40,749 --> 00:01:36,080

talking to you from Sydney Australia for

29

00:01:44,410 --> 00:01:40,759

the skeptic Zone episode number 154 for

30

00:01:46,810 --> 00:01:44,420

the first of October 2011 and what a

31

00:01:49,899 --> 00:01:46,820

great show we felt lined up for you this

32

00:01:53,980 --> 00:01:49,909

week I speak to dr. sheila lane from

33

00:01:56,050 --> 00:01:53,990

sense about science in the UK since

34

00:01:58,950 --> 00:01:56,060

about science this is a wonderful

35

00:02:03,359 --> 00:01:58,960

website and a great opportunity for

36

00:02:05,770 --> 00:02:03,369

everybody to get more information about

37

00:02:09,039 --> 00:02:05,780

science and if you've got scientific

38

00:02:12,870 --> 00:02:09,049

type questions or confusion this is the

39

00:02:17,319 --> 00:02:12,880

place to to go to sense about science

40

00:02:22,539 --> 00:02:17,329

org is the website the twitter the

41

00:02:25,150 --> 00:02:22,549

twitter is at sense about sie s CI since

42

00:02:28,030 --> 00:02:25,160

about sigh certainly worth following on

43

00:02:31,060 --> 00:02:28,040

twitter dr. sheila lane will tell us all

44

00:02:34,180 --> 00:02:31,070

about what they do that sense about

45

00:02:37,180 --> 00:02:34,190

science their outreach and their service

46

00:02:39,160 --> 00:02:37,190

to the public and it's something we at

47

00:02:41,229 --> 00:02:39,170

the skeptic zone certainly support

48

00:02:43,270 --> 00:02:41,239

following that interview we have Peter

49

00:02:44,370 --> 00:02:43,280

Budaj from Australian skeptics and

50

00:02:47,220 --> 00:02:44,380

ratbag

51  
00:02:50,840 --> 00:02:47,230  
dot com with a little piece he wrote

52  
00:02:55,110 --> 00:02:50,850  
about his efforts to be heard on various

53  
00:02:57,570 --> 00:02:55,120  
anti-vaccination forums very interesting

54  
00:03:00,960 --> 00:02:57,580  
piece that he wrote and after that it's

55  
00:03:04,980 --> 00:03:00,970  
dr. Richie reports reporting about a

56  
00:03:07,400 --> 00:03:04,990  
strange new collaboration it would seem

57  
00:03:10,380 --> 00:03:07,410  
between the pharmacy guild and the

58  
00:03:13,260 --> 00:03:10,390  
Blackmore's company here in Australia

59  
00:03:16,140 --> 00:03:13,270  
something dr. Rachel many people aren't

60  
00:03:19,940 --> 00:03:16,150  
very happy about and to round off the

61  
00:03:24,020 --> 00:03:19,950  
show it's dr. H again taking part in a

62  
00:03:28,350 --> 00:03:24,030  
television spot report up all about oh

63  
00:03:31,110 --> 00:03:28,360

yes oh how old favorite ear candles now

64

00:03:33,870 --> 00:03:31,120

this was a report filed on the TV show

65

00:03:36,000 --> 00:03:33,880

today tonight on channel 7 and to make

66

00:03:37,890 --> 00:03:36,010

things perfectly clear I do have a

67

00:03:40,320 --> 00:03:37,900

commercial agreement with the seven

68

00:03:42,990 --> 00:03:40,330

network of course being on on that

69

00:03:45,630 --> 00:03:43,000

network is on the TV show however al

70

00:03:48,210 --> 00:03:45,640

good friend reporter Frank Bangalow at

71

00:03:50,130 --> 00:03:48,220

today tonight in Adelaide was looking

72

00:03:52,290 --> 00:03:50,140

after this story and he's done a lot of

73

00:03:54,540 --> 00:03:52,300

good skeptical stories i must say from

74

00:03:57,180 --> 00:03:54,550

her ear candles to homeopathy to the

75

00:04:01,290 --> 00:03:57,190

power balance so good on you Frank that

76  
00:04:04,470 --> 00:04:01,300  
audio from that report about the bizarre

77  
00:04:07,410 --> 00:04:04,480  
world of ear candles will round off this

78  
00:04:08,970 --> 00:04:07,420  
episode of the skeptic zone thank you to

79  
00:04:11,550 --> 00:04:08,980  
those people who have been donating to

80  
00:04:13,170 --> 00:04:11,560  
the skeptic zone you might remember we

81  
00:04:15,000 --> 00:04:13,180  
have a little bit of a drive on at the

82  
00:04:18,420 --> 00:04:15,010  
moment to help get our reporter Maynard

83  
00:04:21,539 --> 00:04:18,430  
we're trying to get him to Tam 10 tam 10

84  
00:04:24,750 --> 00:04:21,549  
in Las Vegas which is in july twenty or

85  
00:04:26,460 --> 00:04:24,760  
twenty twelve or twenty twelve might be

86  
00:04:28,320 --> 00:04:26,470  
the last time too because of the world

87  
00:04:32,280 --> 00:04:28,330  
ends at the end of her 22 ordinates

88  
00:04:35,130 --> 00:04:32,290

another story if you want to help if you

89

00:04:39,150 --> 00:04:35,140

want to help get may not over to Tam run

90

00:04:41,390 --> 00:04:39,160

to www scripting zone TV and I click the

91

00:04:44,850 --> 00:04:41,400

link and you can for a dollar a week

92

00:04:46,700 --> 00:04:44,860

that's it just one dollar a week help

93

00:04:49,710 --> 00:04:46,710

the skeptic zone and help get Maynard

94

00:04:53,520 --> 00:04:49,720

over to Tam tend to get lots of

95

00:04:55,440 --> 00:04:53,530

interviews for you to enjoy but right

96

00:04:56,930 --> 00:04:55,450

now I'm going to run downstairs and I'm

97

00:05:00,710 --> 00:04:56,940

going to enjoy

98

00:05:03,410 --> 00:05:00,720

a nice hot cup of ginger tea and some

99

00:05:08,150 --> 00:05:03,420

gingerbread there may be a gingersnap

100

00:05:23,420 --> 00:05:08,160

and anything else ginger hmm and let you

101  
00:05:28,560 --> 00:05:26,280  
and I'm delighted to say I have dr.

102  
00:05:30,600 --> 00:05:28,570  
Sheila lane on the line all the way

103  
00:05:35,850 --> 00:05:30,610  
through the wonderful internet from the

104  
00:05:38,460 --> 00:05:35,860  
UK hello Sheila hi retro tie now I been

105  
00:05:41,190 --> 00:05:38,470  
looking at sense about science website

106  
00:05:42,750 --> 00:05:41,200  
and I must compliment whoever put it

107  
00:05:45,930 --> 00:05:42,760  
together it's a really slick

108  
00:05:47,070 --> 00:05:45,940  
professional looking website but there

109  
00:05:48,750 --> 00:05:47,080  
are lots of professional looking

110  
00:05:52,470 --> 00:05:48,760  
websites out there but of course the

111  
00:05:55,020 --> 00:05:52,480  
important thing is the content behind

112  
00:05:57,540 --> 00:05:55,030  
the the slick looking website is very

113  
00:05:59,460 --> 00:05:57,550

important and I must also congratulate

114

00:06:02,490 --> 00:05:59,470

you on that how important is it for

115

00:06:04,200 --> 00:06:02,500

something an organization like sense

116

00:06:07,140 --> 00:06:04,210

about science to have a good web

117

00:06:08,430 --> 00:06:07,150

presence do you think oh well it's very

118

00:06:10,440 --> 00:06:08,440

important thank you very much for your

119

00:06:12,390 --> 00:06:10,450

very kind words we worked very hard on

120

00:06:14,190 --> 00:06:12,400

this website it's quite new we're just

121

00:06:17,040 --> 00:06:14,200

moving into it so we're certainly open

122

00:06:18,420 --> 00:06:17,050

for hearing any feedback we can on us so

123

00:06:20,520 --> 00:06:18,430

everybody should let us know what they

124

00:06:21,990 --> 00:06:20,530

think if I know details on the website

125

00:06:24,570 --> 00:06:22,000

it is of course it's important it's

126  
00:06:26,940 --> 00:06:24,580  
today it's the main way we communicate

127  
00:06:28,680 --> 00:06:26,950  
with most of our supporters is to our

128  
00:06:31,650 --> 00:06:28,690  
website people come to our site for all

129  
00:06:33,360 --> 00:06:31,660  
sorts of different reasons we have many

130  
00:06:35,160 --> 00:06:33,370  
many different kinds of audiences like

131  
00:06:36,540 --> 00:06:35,170  
journals and individuals and

132  
00:06:37,740 --> 00:06:36,550  
organizations and groups that we work

133  
00:06:39,390 --> 00:06:37,750  
with who come to the website for all

134  
00:06:41,640 --> 00:06:39,400  
sorts of different reasons and for

135  
00:06:43,170 --> 00:06:41,650  
different to find different things so

136  
00:06:45,210 --> 00:06:43,180  
it's crucial for us at the website is

137  
00:06:47,430 --> 00:06:45,220  
clear and explain to we are what we do

138  
00:06:49,170 --> 00:06:47,440

it's very quickly and easily so that

139

00:06:50,400 --> 00:06:49,180

everybody knows what they can different

140

00:06:52,110 --> 00:06:50,410

things they can get from us once we get

141

00:06:55,050 --> 00:06:52,120

there sometimes you like it we've worked

142

00:06:58,250 --> 00:06:55,060

hard on us I really do I it's a lovely

143

00:07:00,210 --> 00:06:58,260

sleek design but it's very intuitive and

144

00:07:01,650 --> 00:07:00,220

everything that you sort of want to know

145

00:07:03,480 --> 00:07:01,660

quickly is right in front of your face

146

00:07:06,090 --> 00:07:03,490

which is really great a big about us

147

00:07:07,950 --> 00:07:06,100

link and what the work is you do and I'm

148

00:07:10,620 --> 00:07:07,960

very impressed I I clicked on the

149

00:07:12,810 --> 00:07:10,630

publication's link and I was very

150

00:07:14,640 --> 00:07:12,820

impressed indeed about the matter of

151  
00:07:17,810 --> 00:07:14,650  
free material you have on there ready

152  
00:07:21,090 --> 00:07:17,820  
for eager young people like me Yong Yong

153  
00:07:23,130 --> 00:07:21,100  
ready for Eagle people like me and young

154  
00:07:25,220 --> 00:07:23,140  
people around the world to download and

155  
00:07:30,610 --> 00:07:25,230  
I was taken by one of the pdfs there

156  
00:07:34,060 --> 00:07:30,620  
I've got nothing to lose by trying it up

157  
00:07:36,760 --> 00:07:34,070  
republished that in 2008 with some

158  
00:07:39,280 --> 00:07:36,770  
neurological charities such as the MS

159  
00:07:42,610 --> 00:07:39,290  
Society over here in parkinson's UK it

160  
00:07:44,020 --> 00:07:42,620  
was in response to rising reports from

161  
00:07:47,050 --> 00:07:44,030  
these groups that we work with of

162  
00:07:49,689 --> 00:07:47,060  
miracle cures and one trick on proven

163  
00:07:51,820 --> 00:07:49,699

treatments being promoted online for

164

00:07:53,770 --> 00:07:51,830

chronic diseases such as ms and

165

00:07:55,150 --> 00:07:53,780

parkinson's and we worked at them to

166

00:07:57,340 --> 00:07:55,160

produce I've got nothing to lose by

167

00:07:59,230 --> 00:07:57,350

trying it which is a guide to Wayne up

168

00:08:01,780 --> 00:07:59,240

claimed the but cures and treatments for

169

00:08:03,870 --> 00:08:01,790

long-term conditions we call this about

170

00:08:06,219 --> 00:08:03,880

nothing to lose by China's because

171

00:08:07,450 --> 00:08:06,229

talking to these these groups of

172

00:08:09,279 --> 00:08:07,460

patients and people are suffering from

173

00:08:11,740 --> 00:08:09,289

these diseases we realize that that's

174

00:08:13,540 --> 00:08:11,750

where people kind of end up they keep

175

00:08:16,150 --> 00:08:13,550

again when you get a diagnosis of our

176

00:08:17,500 --> 00:08:16,160

car on the condition you have a

177

00:08:18,640 --> 00:08:17,510

diagnosis but you know that you're not

178

00:08:20,800 --> 00:08:18,650

going to get a cure it's something

179

00:08:22,060 --> 00:08:20,810

you're going to have forever on all you

180

00:08:23,920 --> 00:08:22,070

can do is try and live as best you can

181

00:08:27,040 --> 00:08:23,930

and you find yourself in that place

182

00:08:28,990 --> 00:08:27,050

where friends and relatives very well

183

00:08:31,360 --> 00:08:29,000

many people are coming to you every day

184

00:08:32,890 --> 00:08:31,370

with clipping some newspapers are ads

185

00:08:34,029 --> 00:08:32,900

for products they've seen on the

186

00:08:35,469 --> 00:08:34,039

internet saying why don't you try this

187

00:08:37,269 --> 00:08:35,479

for let me try this any kind of think

188

00:08:43,089 --> 00:08:37,279

well yeah I suppose I've got nothing to

189

00:08:44,890 --> 00:08:43,099

lose by china's house oh yes yeah it's a

190

00:08:47,890 --> 00:08:44,900

very tough place to be so this guide was

191

00:08:50,560 --> 00:08:47,900

to help people with the tools so they

192

00:08:52,210 --> 00:08:50,570

can answer those well mailing friends

193

00:08:53,350 --> 00:08:52,220

and family who come to them and make

194

00:08:55,210 --> 00:08:53,360

sense of the things that come across

195

00:08:58,600 --> 00:08:55,220

themselves being promotional location

196

00:08:59,980 --> 00:08:58,610

websites and things what are the

197

00:09:01,300 --> 00:08:59,990

problems of those groups are not weird

198

00:09:03,850 --> 00:09:01,310

sense about science I've been struggling

199

00:09:05,680 --> 00:09:03,860

with for a while are things like people

200

00:09:07,750 --> 00:09:05,690

pretending to be patients going on to

201  
00:09:09,640 --> 00:09:07,760  
patient support forums promoting

202  
00:09:11,410 --> 00:09:09,650  
products I'm saying oh this works for me

203  
00:09:12,970 --> 00:09:11,420  
absolutely amazing promoting all these

204  
00:09:15,790 --> 00:09:12,980  
dodgy treatments of they themselves are

205  
00:09:17,230 --> 00:09:15,800  
manufacturing and there's sort of kind

206  
00:09:19,449 --> 00:09:17,240  
of two ways you can respond to that you

207  
00:09:24,579 --> 00:09:19,459  
can either ask those the patient groups

208  
00:09:26,320 --> 00:09:24,589  
to police every for every posting on the

209  
00:09:27,550 --> 00:09:26,330  
support for my check every link in check

210  
00:09:29,890 --> 00:09:27,560  
the validity of everything that's been

211  
00:09:31,449 --> 00:09:29,900  
talked about which probably wouldn't

212  
00:09:34,000 --> 00:09:31,459  
work even if anybody actually wanted to

213  
00:09:35,440 --> 00:09:34,010

do that or we think the only solution

214

00:09:37,180 --> 00:09:35,450

the better solution may be the only

215

00:09:39,730 --> 00:09:37,190

solution is to take the people being

216

00:09:41,800 --> 00:09:39,740

preyed upon and help them give them the

217

00:09:44,079 --> 00:09:41,810

questions to make sense of things and

218

00:09:47,860 --> 00:09:44,089

help them do things for themselves

219

00:09:49,809 --> 00:09:47,870

it's it so really it's an old tale and

220

00:09:51,519 --> 00:09:49,819

when you're in the skeptical industry

221

00:09:54,699 --> 00:09:51,529

you've certainly heard about this talent

222

00:09:58,389 --> 00:09:54,709

for them it works for me you should try

223

00:10:00,549 --> 00:09:58,399

this my mother swore by this look don't

224

00:10:03,220 --> 00:10:00,559

listen to the doctors try this treatment

225

00:10:05,949 --> 00:10:03,230

and on it goes and in fact our very own

226

00:10:07,569 --> 00:10:05,959

Loretta Marin very famous in Australia

227

00:10:10,509 --> 00:10:07,579

known as a jellybean lady who was a

228

00:10:13,030 --> 00:10:10,519

breast cancer sufferer was bombarded

229

00:10:15,040 --> 00:10:13,040

with all sorts of well well meaning to a

230

00:10:17,019 --> 00:10:15,050

large extent of people not suggesting

231

00:10:19,569 --> 00:10:17,029

that they she try this that the other

232

00:10:22,119 --> 00:10:19,579

and people do lose their lives of course

233

00:10:25,389 --> 00:10:22,129

we know when they give up tried and true

234

00:10:26,860 --> 00:10:25,399

methods all right and pursue pursue

235

00:10:30,249 --> 00:10:26,870

somebody so I'm very glad you've got

236

00:10:32,139 --> 00:10:30,259

that PDF there with with good advice for

237

00:10:36,189 --> 00:10:32,149

everybody but but my goodness me what a

238

00:10:38,049 --> 00:10:36,199

list of other resources you have detox

239

00:10:40,389 --> 00:10:38,059

you've got things about detox making

240

00:10:45,340 --> 00:10:40,399

sense of chemical stories they're

241

00:10:47,619 --> 00:10:45,350

testing screening radiation GM it just

242

00:10:49,419 --> 00:10:47,629

goes on and on and on a fantastic Oh

243

00:10:52,689 --> 00:10:49,429

standing up for science now that looks

244

00:10:54,730 --> 00:10:52,699

like an interesting download it must

245

00:10:57,160 --> 00:10:54,740

give you great heart to be able to

246

00:11:00,280 --> 00:10:57,170

distribute such good information about

247

00:11:02,350 --> 00:11:00,290

science out to the world absolutely it

248

00:11:04,780 --> 00:11:02,360

is I love working for sense about

249

00:11:07,179 --> 00:11:04,790

science we're a charity so we're a small

250

00:11:08,889 --> 00:11:07,189

organization where H for some employees

251  
00:11:10,210 --> 00:11:08,899  
at the moment all of us have science

252  
00:11:12,040 --> 00:11:10,220  
backgrounds but have has moved out of

253  
00:11:14,079 --> 00:11:12,050  
the lab or out of academia to work for

254  
00:11:16,119 --> 00:11:14,089  
the society where our tagline are

255  
00:11:18,759 --> 00:11:16,129  
raising that is to equip people to make

256  
00:11:20,879 --> 00:11:18,769  
sense of science and evidence and we do

257  
00:11:24,160 --> 00:11:20,889  
this with the help of a database of

258  
00:11:25,929 --> 00:11:24,170  
5,000 and more expert specialists in

259  
00:11:26,949 --> 00:11:25,939  
almost every field of science and

260  
00:11:29,199 --> 00:11:26,959  
medicine and engineering that you can

261  
00:11:32,350 --> 00:11:29,209  
think of who volunteer their time and

262  
00:11:34,869 --> 00:11:32,360  
help us in support arranged as well well

263  
00:11:36,669 --> 00:11:34,879

as science bodies and special and

264

00:11:37,780 --> 00:11:36,679

learned societies and civic groups as

265

00:11:40,239 --> 00:11:37,790

well over here in the UK and

266

00:11:41,919 --> 00:11:40,249

internationally as well we respond to

267

00:11:43,329 --> 00:11:41,929

the misrepresentation of science and

268

00:11:45,999 --> 00:11:43,339

scientific evidence on issues that

269

00:11:47,650 --> 00:11:46,009

matter to society and we do that by

270

00:11:50,079 --> 00:11:47,660

working with these scientists and civic

271

00:11:52,439 --> 00:11:50,089

groups to share the tools and insights

272

00:11:54,939 --> 00:11:52,449

of scientific reasoning with the public

273

00:11:56,860 --> 00:11:54,949

we've been working with scientists for

274

00:11:57,070 --> 00:11:56,870

years and years challenging missing for

275

00:12:02,020 --> 00:11:57,080

me

276

00:12:04,900 --> 00:12:02,030

example from an area are the age of the

277

00:12:07,540 --> 00:12:04,910

earth or causes of cancer or has

278

00:12:10,270 --> 00:12:07,550

implications of Wi-Fi radiation none

279

00:12:11,910 --> 00:12:10,280

it's been very effective but and we

280

00:12:13,690 --> 00:12:11,920

produced all of these documents

281

00:12:15,370 --> 00:12:13,700

responding to misinformation on

282

00:12:16,810 --> 00:12:15,380

misconceptions in particular debates

283

00:12:18,700 --> 00:12:16,820

about particular content to subject

284

00:12:21,040 --> 00:12:18,710

somewhere or controversial subjects and

285

00:12:22,150 --> 00:12:21,050

it has been effective but we kind of got

286

00:12:24,310 --> 00:12:22,160

to the point now where we're realizing

287

00:12:27,010 --> 00:12:24,320

as soon as we turn our back on an issue

288

00:12:29,800 --> 00:12:27,020

or as soon as attention isn't been paid

289

00:12:32,860 --> 00:12:29,810

from Thomas you then misleading claims

290

00:12:35,950 --> 00:12:32,870

creeps back up into discussion again and

291

00:12:37,540 --> 00:12:35,960

even where there are regulators in areas

292

00:12:40,540 --> 00:12:37,550

like advertising and trading samples

293

00:12:41,980 --> 00:12:40,550

Trading Standards for example they're

294

00:12:44,860 --> 00:12:41,990

overworked and they're overwhelmed and

295

00:12:46,660 --> 00:12:44,870

people get away with making misleading

296

00:12:48,610 --> 00:12:46,670

claims or claims not based on good

297

00:12:50,800 --> 00:12:48,620

evidence just by making little tweaks

298

00:12:54,700 --> 00:12:50,810

and proclaims keep cropping up again and

299

00:12:56,860 --> 00:12:54,710

again and again so we slide it we know

300

00:12:59,110 --> 00:12:56,870

that it's time to try and really make a

301  
00:13:01,720 --> 00:12:59,120  
permanent difference so that's why last

302  
00:13:04,900 --> 00:13:01,730  
week we launched campaign called ask for

303  
00:13:07,180 --> 00:13:04,910  
evidence you have your evidence campaign

304  
00:13:09,190 --> 00:13:07,190  
where and if people go to the website

305  
00:13:11,980 --> 00:13:09,200  
which is of course since about science

306  
00:13:14,200 --> 00:13:11,990  
org they can download a little button

307  
00:13:18,330 --> 00:13:14,210  
they can put on their own website we try

308  
00:13:21,460 --> 00:13:18,340  
to bring people to the good information

309  
00:13:23,860 --> 00:13:21,470  
yes yes oh and we want as many people as

310  
00:13:25,390 --> 00:13:23,870  
possible to see what opportunity here

311  
00:13:27,430 --> 00:13:25,400  
about their campaign because that's the

312  
00:13:28,870 --> 00:13:27,440  
only way to make permanent difference is

313  
00:13:31,300 --> 00:13:28,880

to get more and more people as

314

00:13:33,820 --> 00:13:31,310

challenging misleading claims when they

315

00:13:35,650 --> 00:13:33,830

see them by asking the advertisers other

316

00:13:37,900 --> 00:13:35,660

companies other government bodies are

317

00:13:41,020 --> 00:13:37,910

other organizations for the evidence

318

00:13:43,450 --> 00:13:41,030

behind the claims yes and looking at the

319

00:13:46,990 --> 00:13:43,460

website here the web page for ask for

320

00:13:51,490 --> 00:13:47,000

evidence you have got what do we say a

321

00:13:53,980 --> 00:13:51,500

bevy of stars a celestial realm of true

322

00:13:56,170 --> 00:13:53,990

scientific stars who are really really

323

00:13:59,020 --> 00:13:56,180

getting behind this ask for evidence

324

00:14:02,670 --> 00:13:59,030

campaign that's right we have a galaxy

325

00:14:06,520 --> 00:14:02,680

of stars on a runway we have Alex

326

00:14:08,080 --> 00:14:06,530

whatever you have we have from the top

327

00:14:09,910 --> 00:14:08,090

scientists in the UK are supporting this

328

00:14:10,680 --> 00:14:09,920

campaign including people like support

329

00:14:13,620 --> 00:14:10,690

nurse who's a

330

00:14:15,840 --> 00:14:13,630

the Royal Society over here and many

331

00:14:18,150 --> 00:14:15,850

many of the really high profile

332

00:14:19,950 --> 00:14:18,160

scientists that we work with who of

333

00:14:22,290 --> 00:14:19,960

course once people always ask evidence

334

00:14:24,350 --> 00:14:22,300

and get the evidence behind claims but

335

00:14:26,790 --> 00:14:24,360

we also have support from people like

336

00:14:28,230 --> 00:14:26,800

darren brown not sure how big Derren

337

00:14:29,430 --> 00:14:28,240

Brown to be inserted it be a very very

338

00:14:33,090 --> 00:14:29,440

famous down here yes absolutely

339

00:14:34,380 --> 00:14:33,100

fantastic he's a great guy he's any no

340

00:14:36,690 --> 00:14:34,390

years I don't you tell you and you know

341

00:14:38,490 --> 00:14:36,700

that he's a champion of giving people

342

00:14:40,320 --> 00:14:38,500

the questions to get behind appearances

343

00:14:41,820 --> 00:14:40,330

and he's always trying to help us

344

00:14:43,860 --> 00:14:41,830

understand when something that looks

345

00:14:45,480 --> 00:14:43,870

like it's not a coincidence actually is

346

00:14:47,220 --> 00:14:45,490

and those kind of question she's

347

00:14:49,770 --> 00:14:47,230

fantastic about then he's always been in

348

00:14:52,110 --> 00:14:49,780

support of ours we also have people

349

00:14:53,790 --> 00:14:52,120

high-profile names here like Jonathan

350

00:14:57,750 --> 00:14:53,800

Ross is a presenter and Dorian and

351  
00:14:59,010 --> 00:14:57,760  
they'd burn your comedians to support

352  
00:15:02,190 --> 00:14:59,020  
what we do and aren't just there just

353  
00:15:03,920 --> 00:15:02,200  
adds big names and you know the glitz to

354  
00:15:06,240 --> 00:15:03,930  
our campaign but are there because they

355  
00:15:07,860 --> 00:15:06,250  
really believe this way of always being

356  
00:15:10,680 --> 00:15:07,870  
champions there's going to be people to

357  
00:15:12,150 --> 00:15:10,690  
ask questions and ask if it wasn't to

358  
00:15:13,950 --> 00:15:12,160  
help vulnerable people make sense of

359  
00:15:16,800 --> 00:15:13,960  
things they're all really really great

360  
00:15:19,620 --> 00:15:16,810  
people as well as those individuals

361  
00:15:21,330 --> 00:15:19,630  
where were you pleased are dozens and

362  
00:15:22,920 --> 00:15:21,340  
dozens of organizations are getting

363  
00:15:25,200 --> 00:15:22,930

aboard and supporting the campaign and

364

00:15:27,330 --> 00:15:25,210

telling their audiences that it's time

365

00:15:29,850 --> 00:15:27,340

to ask for evidence organizations like

366

00:15:31,830 --> 00:15:29,860

patient groups all sorts of different

367

00:15:34,140 --> 00:15:31,840

patient groups civic society

368

00:15:35,580 --> 00:15:34,150

organisations consumer organizations as

369

00:15:38,700 --> 00:15:35,590

well which is fantastic we're

370

00:15:40,880 --> 00:15:38,710

encouraging low older their audiences to

371

00:15:45,240 --> 00:15:40,890

ask for evidence every claim Basie and

372

00:15:47,910 --> 00:15:45,250

of course one of the notable notable

373

00:15:50,940 --> 00:15:47,920

people you have supporting you is a very

374

00:15:53,610 --> 00:15:50,950

good and mutual friend of ours Simon

375

00:15:55,890 --> 00:15:53,620

Singh sliven yes sirens fantastic you

376

00:15:58,980 --> 00:15:55,900

know he's a science writer and

377

00:16:00,870 --> 00:15:58,990

broadcaster and sketchy and he's one

378

00:16:02,100 --> 00:16:00,880

member of our Board of Trustees actually

379

00:16:04,170 --> 00:16:02,110

so we work favorite socially would climb

380

00:16:06,870 --> 00:16:04,180

in and off loving and yeah he's

381

00:16:09,870 --> 00:16:06,880

fantastic he is indeed he's a good man

382

00:16:12,300 --> 00:16:09,880

I've met him on several occasions here

383

00:16:14,640 --> 00:16:12,310

in Australia where he actually spoke for

384

00:16:16,829 --> 00:16:14,650

us last year the amazing leading in

385

00:16:19,320 --> 00:16:16,839

Australian was a pleasure Simon

386

00:16:21,120 --> 00:16:19,330

something ok it and of course he's

387

00:16:22,620 --> 00:16:21,130

famous for something else which is very

388

00:16:24,050 --> 00:16:22,630

dear to the heart of sense about science

389

00:16:27,090 --> 00:16:24,060

which is the lie

390

00:16:30,230 --> 00:16:27,100

situation reliable news that's right

391

00:16:32,400 --> 00:16:30,240

that's right he was sued for libel for

392

00:16:34,140 --> 00:16:32,410

asking for evidence I guess for the

393

00:16:36,060 --> 00:16:34,150

claims like Falcon chiropractors are

394

00:16:38,250 --> 00:16:36,070

making for being able to treat certain

395

00:16:41,510 --> 00:16:38,260

types of conditions he wrote a book

396

00:16:44,340 --> 00:16:41,520

called trick or treatment with

397

00:16:45,660 --> 00:16:44,350

restaurants and your roast some articles

398

00:16:47,910 --> 00:16:45,670

and newspapers at the time the launch of

399

00:16:49,080 --> 00:16:47,920

the book about the evidence for a lot of

400

00:16:53,130 --> 00:16:49,090

different complementary and alternative

401  
00:16:55,920 --> 00:16:53,140  
treatments and the body of chiropractors

402  
00:16:57,270 --> 00:16:55,930  
sued him for that suit for libel it

403  
00:16:59,040 --> 00:16:57,280  
didn't take up their newspapers offer

404  
00:17:01,340 --> 00:16:59,050  
over rights reply they didn't engage and

405  
00:17:04,980 --> 00:17:01,350  
open the base and scrutiny which is what

406  
00:17:07,470 --> 00:17:04,990  
scientists and all of us as citizens and

407  
00:17:09,449 --> 00:17:07,480  
voters should demand from public surveys

408  
00:17:11,130 --> 00:17:09,459  
face treatment they try to silence what

409  
00:17:13,710 --> 00:17:11,140  
he was saying we were opposed by that

410  
00:17:15,569 --> 00:17:13,720  
and we publicized his case and launched

411  
00:17:18,180 --> 00:17:15,579  
a campaign called keep libel laws as in

412  
00:17:21,300 --> 00:17:18,190  
science and we were absolutely astounded

413  
00:17:24,240 --> 00:17:21,310

by the number of scientists and authors

414

00:17:26,610 --> 00:17:24,250

and journalists just individuals who

415

00:17:29,010 --> 00:17:26,620

contacted us and told us I could have

416

00:17:30,150 --> 00:17:29,020

been that in the same situation I could

417

00:17:32,550 --> 00:17:30,160

be going through the courts someone

418

00:17:34,950 --> 00:17:32,560

threatened me with liable for something

419

00:17:37,500 --> 00:17:34,960

I put in my blog or in a scalable for

420

00:17:38,880 --> 00:17:37,510

magazine never got published our paper I

421

00:17:41,370 --> 00:17:38,890

submitted to a peer-reviewed journal

422

00:17:43,920 --> 00:17:41,380

didn't publish because of fears of libel

423

00:17:47,550 --> 00:17:43,930

threats so we realize that growing

424

00:17:49,860 --> 00:17:47,560

horror how widespread the silencing from

425

00:17:51,690 --> 00:17:49,870

legal threats was across the scientific

426

00:17:54,810 --> 00:17:51,700

and medical community and across society

427

00:17:57,810 --> 00:17:54,820

more widely as well so we campaigned

428

00:18:01,490 --> 00:17:57,820

very very hard to change the outdated

429

00:18:04,230 --> 00:18:01,500

and unfair why the laws of the UK

430

00:18:05,640 --> 00:18:04,240

supertech public interest rate these

431

00:18:07,110 --> 00:18:05,650

kind of discussions about science and

432

00:18:09,180 --> 00:18:07,120

medicine and treatments and products and

433

00:18:12,780 --> 00:18:09,190

companies and organizations and people

434

00:18:16,470 --> 00:18:12,790

in power and the government listens to

435

00:18:18,540 --> 00:18:16,480

the support to our 55,000 supporters and

436

00:18:20,610 --> 00:18:18,550

again high-profile names who joined that

437

00:18:22,530 --> 00:18:20,620

campaign and published a draft

438

00:18:24,540 --> 00:18:22,540

legislation to reform the lie below us

439

00:18:26,340 --> 00:18:24,550

which at the moment is going through

440

00:18:28,020 --> 00:18:26,350

scrutiny and UK parlamento would be

441

00:18:30,360 --> 00:18:28,030

debated in parliament over the next year

442

00:18:34,500 --> 00:18:30,370

so I hope they would be legislation by

443

00:18:36,240 --> 00:18:34,510

may of 2012 so we're very very excited

444

00:18:37,710 --> 00:18:36,250

with that happening we're still very

445

00:18:40,170 --> 00:18:37,720

very busy on the libel reform

446

00:18:41,730 --> 00:18:40,180

campaign scrutinizing the guards

447

00:18:44,550 --> 00:18:41,740

government's legislation and making sure

448

00:18:46,620 --> 00:18:44,560

that parameter indignant these gears

449

00:18:48,930 --> 00:18:46,630

know that this is an issue that there is

450

00:18:51,120 --> 00:18:48,940

enormous support behind from the

451

00:18:52,890 --> 00:18:51,130

scientific and sketch the community

452

00:18:55,170 --> 00:18:52,900

especially so we're we're still out

453

00:18:57,450 --> 00:18:55,180

there representing and campaigning for

454

00:19:01,190 --> 00:18:57,460

libel reform but it's some legislation

455

00:19:04,830 --> 00:19:01,200

plan for us it is an exciting time when

456

00:19:07,770 --> 00:19:04,840

you can see what good old fashioned

457

00:19:10,680 --> 00:19:07,780

grassroots activism law can accomplish

458

00:19:13,140 --> 00:19:10,690

and I know it's frustrating for all of

459

00:19:14,190 --> 00:19:13,150

us much of the time especially when

460

00:19:18,150 --> 00:19:14,200

you're hitting your head against the

461

00:19:20,010 --> 00:19:18,160

wall dividing ridiculous laws or as you

462

00:19:22,080 --> 00:19:20,020

say people tweet claims and they get

463

00:19:25,970 --> 00:19:22,090

away with all sorts of things so we're

464

00:19:27,660 --> 00:19:25,980

always you you and an iron and all our

465

00:19:30,480 --> 00:19:27,670

colleagues around the world always

466

00:19:33,900 --> 00:19:30,490

chasing this sort of thing but i must

467

00:19:36,020 --> 00:19:33,910

say that you are having some good

468

00:19:38,100 --> 00:19:36,030

success which gives us all heart and

469

00:19:40,380 --> 00:19:38,110

another part of your website that

470

00:19:44,100 --> 00:19:40,390

interests me quite quite a lot is the

471

00:19:46,590 --> 00:19:44,110

voice of young science a little bit

472

00:19:48,890 --> 00:19:46,600

about that absolutely the voice of young

473

00:19:51,090 --> 00:19:48,900

science or voice majority network is a

474

00:19:53,550 --> 00:19:51,100

loose network it's not binding that

475

00:19:55,380 --> 00:19:53,560

formal but it's a group of couple

476  
00:19:59,220 --> 00:19:55,390  
hundred young scientists and researchers

477  
00:20:00,360 --> 00:19:59,230  
and junior doctors medics who want to

478  
00:20:02,580 --> 00:20:00,370  
get involved in this kind of evidence

479  
00:20:04,950 --> 00:20:02,590  
hunting as well as they came together

480  
00:20:07,560 --> 00:20:04,960  
originally from participants in our

481  
00:20:09,300 --> 00:20:07,570  
standing up for science workshops which

482  
00:20:12,030 --> 00:20:09,310  
are kind of media workshops workshops

483  
00:20:14,280 --> 00:20:12,040  
were encouraged and help these young

484  
00:20:16,260 --> 00:20:14,290  
researchers get involved in debates

485  
00:20:18,360 --> 00:20:16,270  
about contentious issues and you've

486  
00:20:20,010 --> 00:20:18,370  
react when they see signs are evidence

487  
00:20:21,930 --> 00:20:20,020  
been misrepresented of the media are in

488  
00:20:23,820 --> 00:20:21,940

private claims are by politicians

489

00:20:24,960 --> 00:20:23,830

helping them with the tools to get out

490

00:20:26,580 --> 00:20:24,970

there and white letters to the

491

00:20:28,820 --> 00:20:26,590

newspapers rush the politicians get on

492

00:20:31,200 --> 00:20:28,830

the radio that encouragement to do that

493

00:20:32,250 --> 00:20:31,210

after the workshops that the first

494

00:20:33,930 --> 00:20:32,260

couple of workshops that a couple

495

00:20:36,300 --> 00:20:33,940

hundred of these young scientists

496

00:20:38,250 --> 00:20:36,310

attended they wanted to stay in touch

497

00:20:40,500 --> 00:20:38,260

they wanted to band together and you

498

00:20:42,570 --> 00:20:40,510

know there's more power in numbers so

499

00:20:45,750 --> 00:20:42,580

they wanted to work together on their

500

00:20:46,950 --> 00:20:45,760

evidence hunting projects so they formed

501  
00:20:48,600 --> 00:20:46,960  
this loose network all the voices of

502  
00:20:51,690 --> 00:20:48,610  
young science and they have done some

503  
00:20:53,250 --> 00:20:51,700  
amazing things just a you know the hand

504  
00:20:54,690 --> 00:20:53,260  
not that many more than a handful of

505  
00:20:57,330 --> 00:20:54,700  
Iran finders projectors are done some

506  
00:20:59,460 --> 00:20:57,340  
fantastic things like a couple of years

507  
00:21:00,919 --> 00:20:59,470  
ago I think two years ago they saw there

508  
00:21:04,379 --> 00:21:00,929  
was going to be a conference in

509  
00:21:08,000 --> 00:21:04,389  
Amsterdam on Toby obviously in the

510  
00:21:10,230 --> 00:21:08,010  
developing world and they report that

511  
00:21:11,490 --> 00:21:10,240  
when they realize that homie opt-in

512  
00:21:14,850 --> 00:21:11,500  
unproven things like that were being

513  
00:21:16,680 --> 00:21:14,860

promoted all around Africa as cures and

514

00:21:18,960 --> 00:21:16,690

treatments for things like infant

515

00:21:20,940 --> 00:21:18,970

diarrhea and malaria and HIV and AIDS

516

00:21:22,830 --> 00:21:20,950

there are absolutely poles that people

517

00:21:25,259 --> 00:21:22,840

were very vulnerable people and the

518

00:21:27,120 --> 00:21:25,269

developing world's have been conned into

519

00:21:29,610 --> 00:21:27,130

using these on proven treatments and

520

00:21:31,740 --> 00:21:29,620

encouraged not to use conventional

521

00:21:34,110 --> 00:21:31,750

medicine at the same time they're

522

00:21:35,610 --> 00:21:34,120

absolutely pod when they look into a bit

523

00:21:37,440 --> 00:21:35,620

further they were even more shocked to

524

00:21:39,360 --> 00:21:37,450

find that bodies like the World Health

525

00:21:40,710 --> 00:21:39,370

Organisation weren't doing anything

526  
00:21:42,930 --> 00:21:40,720  
about this they weren't taking a stand

527  
00:21:44,399 --> 00:21:42,940  
they weren't doing much to help people

528  
00:21:45,750 --> 00:21:44,409  
on the ground in Africa who are trying

529  
00:21:47,370 --> 00:21:45,760  
to combat this we're trying to make

530  
00:21:48,629 --> 00:21:47,380  
sense of this for themselves and the

531  
00:21:50,519 --> 00:21:48,639  
medics down there who are trying to come

532  
00:21:52,919 --> 00:21:50,529  
back the only alternative treatments are

533  
00:21:54,539 --> 00:21:52,929  
being promoted people who weren't doing

534  
00:21:57,149 --> 00:21:54,549  
anything to help them so the young

535  
00:21:59,029 --> 00:21:57,159  
scientists working together wrote to the

536  
00:22:00,690 --> 00:21:59,039  
heads of all these different disease

537  
00:22:03,629 --> 00:22:00,700  
sections in the World Health

538  
00:22:05,100 --> 00:22:03,639

Organization and got them all to condemn

539

00:22:06,570 --> 00:22:05,110

the promotion to formula thief or

540

00:22:08,370 --> 00:22:06,580

serious diseases the developing world

541

00:22:09,690 --> 00:22:08,380

for the first time they got the World

542

00:22:11,370 --> 00:22:09,700

Health Organization the biggest engine

543

00:22:12,720 --> 00:22:11,380

laughs and to make very strong

544

00:22:14,669 --> 00:22:12,730

statements against it which was an

545

00:22:16,889 --> 00:22:14,679

absolutely amazing thing for you know

546

00:22:19,799 --> 00:22:16,899

once you young scientists to do so that

547

00:22:24,029 --> 00:22:19,809

was absolutely fantastic and we're very

548

00:22:25,529 --> 00:22:24,039

so proud they're just brilliant that is

549

00:22:28,139 --> 00:22:25,539

so encouraging that is so encouraging

550

00:22:31,200 --> 00:22:28,149

and of course the young scientists will

551

00:22:33,180 --> 00:22:31,210

turn into slightly older scientists and

552

00:22:35,990 --> 00:22:33,190

throughout their career they will not

553

00:22:40,139 --> 00:22:36,000

I'm sure will not give up and will be

554

00:22:41,759 --> 00:22:40,149

continually fighting the nonsense and

555

00:22:44,909 --> 00:22:41,769

the quiet area that we see out there and

556

00:22:47,129 --> 00:22:44,919

what a fine cause is to to nip it in the

557

00:22:50,190 --> 00:22:47,139

but hopefully as it were in in such

558

00:22:51,539 --> 00:22:50,200

places as Africa that's right that's

559

00:22:53,430 --> 00:22:51,549

right I mean what you said earlier is

560

00:22:54,899 --> 00:22:53,440

absolutely true there are lots of

561

00:22:57,180 --> 00:22:54,909

individuals like a thousand

562

00:22:58,889 --> 00:22:57,190

organizations and groups out there who

563

00:23:00,629 --> 00:22:58,899

could who could make it their life's

564

00:23:03,090 --> 00:23:00,639

work you know clacking down the

565

00:23:05,100 --> 00:23:03,100

activities of one individual or one

566

00:23:06,489 --> 00:23:05,110

company are reacting to one claim for

567

00:23:08,959 --> 00:23:06,499

the rest

568

00:23:11,029 --> 00:23:08,969

the things keep popping up again and

569

00:23:12,289 --> 00:23:11,039

again and again even despite the

570

00:23:13,969 --> 00:23:12,299

brilliant work that all these groups and

571

00:23:16,609 --> 00:23:13,979

people are doing I would think we just

572

00:23:18,709 --> 00:23:16,619

we can't rely on just the fairly small

573

00:23:21,169 --> 00:23:18,719

sector of society that includes us but

574

00:23:22,579 --> 00:23:21,179

is doing this just now we don't want to

575

00:23:25,999 --> 00:23:22,589

have to do it for the rest of our life

576  
00:23:27,919 --> 00:23:26,009  
and so you don't either so that's why we

577  
00:23:29,869 --> 00:23:27,929  
need that so many other people the

578  
00:23:32,299 --> 00:23:29,879  
people who aren't aware of your on my

579  
00:23:34,909 --> 00:23:32,309  
work and our work to hear about this and

580  
00:23:37,789 --> 00:23:34,919  
to start asking for evidence because you

581  
00:23:39,589 --> 00:23:37,799  
don't need to be a scientist to ask you

582  
00:23:41,239 --> 00:23:39,599  
know penetrating questions about

583  
00:23:43,430 --> 00:23:41,249  
evidence you don't have to be an

584  
00:23:46,579 --> 00:23:43,440  
epidemiologist to get to the bottom of

585  
00:23:48,649 --> 00:23:46,589  
games about mobile phones and cancer you

586  
00:23:50,569 --> 00:23:48,659  
can ask whether there's evidence

587  
00:23:52,579 --> 00:23:50,579  
virtually about that how conclusions

588  
00:23:54,889 --> 00:23:52,589

have been reached what kind of tests

589

00:23:56,029 --> 00:23:54,899

have been done with a fair tests whether

590

00:23:56,899 --> 00:23:56,039

the results are peer-reviewed and

591

00:23:58,369 --> 00:23:56,909

published whether they've been

592

00:24:00,349 --> 00:23:58,379

replicated what other scientists are

593

00:24:02,509 --> 00:24:00,359

saying those kind of questions that

594

00:24:05,509 --> 00:24:02,519

people who don't naturally feed

595

00:24:07,310 --> 00:24:05,519

themselves scientists are skeptics can

596

00:24:09,859 --> 00:24:07,320

use and we know they really can use

597

00:24:12,019 --> 00:24:09,869

those kinds of insights that as I said

598

00:24:14,690 --> 00:24:12,029

that for example something is science

599

00:24:17,060 --> 00:24:14,700

when it's being scrutinized by other

600

00:24:18,319 --> 00:24:17,070

scientists and published in the journals

601  
00:24:20,569 --> 00:24:18,329  
then you know that it has been

602  
00:24:22,519 --> 00:24:20,579  
scrutinized and it's at least one step

603  
00:24:24,049 --> 00:24:22,529  
up from someone's opinion or some

604  
00:24:24,979 --> 00:24:24,059  
research so and a stone in the shed in

605  
00:24:27,019 --> 00:24:24,989  
the back of the garden are never

606  
00:24:28,489 --> 00:24:27,029  
published those kind of simple questions

607  
00:24:29,930 --> 00:24:28,499  
has it been peer-reviewed it's at least

608  
00:24:33,169 --> 00:24:29,940  
a first step of making sense of these

609  
00:24:35,239 --> 00:24:33,179  
claims and everybody can use that they

610  
00:24:37,249 --> 00:24:35,249  
can indeed and yours is the site that

611  
00:24:39,229 --> 00:24:37,259  
keeps giving because people can even

612  
00:24:41,029 --> 00:24:39,239  
click a button right near the top of

613  
00:24:44,680 --> 00:24:41,039

your site that says get scientific

614

00:24:47,209 --> 00:24:44,690

advice they can indeed we have a

615

00:24:49,489 --> 00:24:47,219

database of five thousands and more

616

00:24:51,469 --> 00:24:49,499

specialists from God every field you can

617

00:24:53,599 --> 00:24:51,479

think of from Nobel Prize laureates down

618

00:24:55,669 --> 00:24:53,609

to you know young researchers PhD

619

00:24:58,009 --> 00:24:55,679

students and postdocs in all the foods

620

00:25:00,919 --> 00:24:58,019

you can think of getting some of the top

621

00:25:03,139 --> 00:25:00,929

scientists in the UK and members of the

622

00:25:06,919 --> 00:25:03,149

most prestigious organizations over here

623

00:25:10,159 --> 00:25:06,929

who are willing to people I would simply

624

00:25:11,719 --> 00:25:10,169

pursue this anybody can phone us with a

625

00:25:13,969 --> 00:25:11,729

question and unexpended scientific or

626  
00:25:15,289 --> 00:25:13,979  
medical topic and we do our very best to

627  
00:25:17,509 --> 00:25:15,299  
help them out to get them the answer

628  
00:25:19,520 --> 00:25:17,519  
working with our database whether you

629  
00:25:21,890 --> 00:25:19,530  
know huge invisible support behind us

630  
00:25:24,020 --> 00:25:21,900  
we there are very best answer

631  
00:25:26,560 --> 00:25:24,030  
everybody's questions what a fantastic

632  
00:25:29,660 --> 00:25:26,570  
service you have what a fantastic

633  
00:25:32,090 --> 00:25:29,670  
opportunity for our listeners to take

634  
00:25:35,990 --> 00:25:32,100  
advantage of this and the website is of

635  
00:25:39,740 --> 00:25:36,000  
course sense about science one word dot

636  
00:25:41,750 --> 00:25:39,750  
o RG dr. sheila lane congratulations

637  
00:25:44,060 --> 00:25:41,760  
again on a wonderful site which is put

638  
00:25:46,610 --> 00:25:44,070

together very well indeed but more

639

00:25:48,740 --> 00:25:46,620

importantly what's behind that site the

640

00:25:53,390 --> 00:25:48,750

science and the the willingness to help

641

00:25:55,370 --> 00:25:53,400

to outreach I think really puts that

642

00:25:58,070 --> 00:25:55,380

site above many I've seen so

643

00:26:00,710 --> 00:25:58,080

congratulations very much and all

644

00:26:01,910 --> 00:26:00,720

success to you thank you thank you so

645

00:26:11,630 --> 00:26:01,920

much it's been really lovely talking to

646

00:26:13,310 --> 00:26:11,640

you thank you hey bro oh hey what's up

647

00:26:14,750 --> 00:26:13,320

check it out finally a Back to the

648

00:26:18,040 --> 00:26:14,760

Future invention that is coming to

649

00:26:21,530 --> 00:26:18,050

existence i present to you mahavir ball

650

00:26:24,410 --> 00:26:21,540

dude that's a BS band skateboard deck

651  
00:26:26,930 --> 00:26:24,420  
from ashy skateboard yes escape on

652  
00:26:29,120 --> 00:26:26,940  
without wheel yeah you're supposed to

653  
00:26:31,220 --> 00:26:29,130  
buy your own wheels and bolt the law and

654  
00:26:33,590 --> 00:26:31,230  
look it has a placebo been right here in

655  
00:26:35,480 --> 00:26:33,600  
the packaging that must be what powers

656  
00:26:37,850 --> 00:26:35,490  
it what are you on about that's right

657  
00:26:40,010 --> 00:26:37,860  
your very own hoverboard and skeptic

658  
00:26:41,870 --> 00:26:40,020  
browser com has one to give away dude a

659  
00:26:43,580 --> 00:26:41,880  
skeptic bros calm and click on the comp

660  
00:26:45,920 --> 00:26:43,590  
tab for more detail oh no that's a

661  
00:26:48,650 --> 00:26:45,930  
skateboard deck right not a hoverboard

662  
00:26:50,660 --> 00:26:48,660  
it doesn't actually fly you could get

663  
00:26:52,220 --> 00:26:50,670

the car I'll get my Michael J on hold on

664

00:26:58,749 --> 00:26:52,230

to the bumper and float down the freeway

665

00:27:04,899 --> 00:27:02,019

here it is Australian skeptics committee

666

00:27:07,619 --> 00:27:04,909

member Peter Bowditch talking about his

667

00:27:11,799 --> 00:27:07,629

efforts to be heard on various

668

00:27:28,109 --> 00:27:11,809

anti-vaccination forums and remember you

669

00:27:31,749 --> 00:27:30,039

emerald or e of the Australian

670

00:27:33,669 --> 00:27:31,759

vaccination network has a long history

671

00:27:35,349 --> 00:27:33,679

of intolerance towards anybody who

672

00:27:38,109 --> 00:27:35,359

disagrees with her in forums that she

673

00:27:39,699 --> 00:27:38,119

controls I've been banned from the

674

00:27:42,099 --> 00:27:39,709

avians internet mailing list it's not a

675

00:27:44,049 --> 00:27:42,109

99 despite never posted anything to the

676

00:27:46,269 --> 00:27:44,059

list I joined because I've been told

677

00:27:47,739 --> 00:27:46,279

that I was being defined there more

678

00:27:49,659 --> 00:27:47,749

recently miss Dorry has blocked me from

679

00:27:51,129 --> 00:27:49,669

following her on twitter blocked me and

680

00:27:53,259 --> 00:27:51,139

many other people from commenting on the

681

00:27:55,119 --> 00:27:53,269

avians facebook page and refused to

682

00:27:58,389 --> 00:27:55,129

publish to sending comments on to blogs

683

00:27:59,949 --> 00:27:58,399

that she runs to the avn ms Doria stayed

684

00:28:01,449 --> 00:27:59,959

on several occasions that she welcomes

685

00:28:04,089 --> 00:28:01,459

debate and discussion as long as it is

686

00:28:06,219 --> 00:28:04,099

polite polite this is why always refer

687

00:28:08,469 --> 00:28:06,229

them as dory isn't her story resist the

688

00:28:10,119 --> 00:28:08,479

use of terms such as total slime and

689

00:28:11,769 --> 00:28:10,129

expression to you to describe me at one

690

00:28:14,499 --> 00:28:11,779

time in a forum when I had no right of

691

00:28:17,049 --> 00:28:14,509

reply she has now created yet another

692

00:28:20,259 --> 00:28:17,059

forum miss Tomic google groups with the

693

00:28:22,209 --> 00:28:20,269

title vaccinations respectful debate the

694

00:28:24,099 --> 00:28:22,219

description of this group says this is a

695

00:28:26,019 --> 00:28:24,109

place for people from both sides of this

696

00:28:27,969 --> 00:28:26,029

very polarized vaccination debate to

697

00:28:30,519 --> 00:28:27,979

meet and discuss the issues concerning

698

00:28:33,159 --> 00:28:30,529

vaccine safety efficacy and necessity

699

00:28:35,979 --> 00:28:33,169

all viewpoints are welcome provided they

700

00:28:38,349 --> 00:28:35,989

are respectful it then goes on to say at

701  
00:28:40,629 --> 00:28:38,359  
the first sign of abuse name-calling etc

702  
00:28:42,009 --> 00:28:40,639  
you will be banned so perhaps this might

703  
00:28:43,779 --> 00:28:42,019  
be somewhere where I can appear without

704  
00:28:46,149 --> 00:28:43,789  
being called names or accused to burn

705  
00:28:47,409 --> 00:28:46,159  
yourself a big farmer perhaps to the

706  
00:28:51,009 --> 00:28:47,419  
place where i can get banned very

707  
00:28:52,419 --> 00:28:51,019  
quickly I decided to again test ms

708  
00:28:55,269 --> 00:28:52,429  
dorries commitment to free and open

709  
00:28:57,099 --> 00:28:55,279  
speech so I joined the list I didn't

710  
00:28:59,199 --> 00:28:57,109  
post for a few days so I'm mr. kudos

711  
00:29:00,879 --> 00:28:59,209  
having the first personally band that

712  
00:29:02,709 --> 00:29:00,889  
went to my friend Peter teeny who dared

713  
00:29:05,499 --> 00:29:02,719

to question their warnings that were

714

00:29:07,209 --> 00:29:05,509

given to some people I finally made my

715

00:29:08,769 --> 00:29:07,219

first post and somewhat to my surprise

716

00:29:10,899 --> 00:29:08,779

it managed to make it past the

717

00:29:11,950 --> 00:29:10,909

moderators aren't named but there are

718

00:29:14,350 --> 00:29:11,960

two of them and they're not

719

00:29:18,040 --> 00:29:14,360

provac teen camp here is what I had to

720

00:29:19,900 --> 00:29:18,050

say hello all my name is Peter Budaj I

721

00:29:21,940 --> 00:29:19,910

have a long term interest in the Backson

722

00:29:23,530 --> 00:29:21,950

ocean debate now welcome the chance to

723

00:29:24,790 --> 00:29:23,540

participate in a forum where the

724

00:29:27,370 --> 00:29:24,800

evidence for both sides can be

725

00:29:29,110 --> 00:29:27,380

respectfully presented while I believe

726

00:29:30,520 --> 00:29:29,120

that a case can be made for compulsory

727

00:29:32,440 --> 00:29:30,530

vaccination for people in certain

728

00:29:35,170 --> 00:29:32,450

occupations healthcare being the obvious

729

00:29:36,690 --> 00:29:35,180

example I support the idea for most

730

00:29:39,280 --> 00:29:36,700

people it should be an informed choice

731

00:29:42,430 --> 00:29:39,290

the critical word is informed and that

732

00:29:44,110 --> 00:29:42,440

is where people have to be careful there

733

00:29:45,910 --> 00:29:44,120

is a vast amount of information about

734

00:29:49,000 --> 00:29:45,920

the safety effectiveness and possible

735

00:29:50,500 --> 00:29:49,010

side effects of accidents available some

736

00:29:51,880 --> 00:29:50,510

is based on science such as the

737

00:29:53,800 --> 00:29:51,890

information freely available from the

738

00:29:55,420 --> 00:29:53,810

websites of immunized australia the

739

00:29:57,820 --> 00:29:55,430

tenets for Disease Control and the World

740

00:29:58,900 --> 00:29:57,830

Health Organization for example and for

741

00:30:00,850 --> 00:29:58,910

those of not afraid of reading

742

00:30:04,450 --> 00:30:00,860

scientific papers the National Institute

743

00:30:05,880 --> 00:30:04,460

of Health spud med database some of the

744

00:30:07,690 --> 00:30:05,890

information is based on emotion

745

00:30:09,550 --> 00:30:07,700

misinterpretation of misunderstanding of

746

00:30:12,760 --> 00:30:09,560

the science or simply an inability to

747

00:30:14,530 --> 00:30:12,770

distinguish good science and bad some of

748

00:30:16,000 --> 00:30:14,540

it is based on GBA science and even the

749

00:30:17,890 --> 00:30:16,010

occasional piece of fraudulent research

750

00:30:19,900 --> 00:30:17,900

such the discredited and now withdrawn

751

00:30:22,600 --> 00:30:19,910

1998 paper in The Lancet by Andrew

752

00:30:24,310 --> 00:30:22,610

Wakefield some of it is so out of touch

753

00:30:27,490 --> 00:30:24,320

with reality that could be material for

754

00:30:29,080 --> 00:30:27,500

researching of mental illness what

755

00:30:30,610 --> 00:30:29,090

concerns me most however is the

756

00:30:32,230 --> 00:30:30,620

information which keeps getting repeated

757

00:30:34,960 --> 00:30:32,240

even though it's relatively simple a

758

00:30:36,370 --> 00:30:34,970

demonstrator that is false the fact that

759

00:30:37,960 --> 00:30:36,380

some of this gets repeated by people who

760

00:30:39,910 --> 00:30:37,970

have been told sometimes on several

761

00:30:41,500 --> 00:30:39,920

occasions that it is false and have been

762

00:30:42,940 --> 00:30:41,510

offered the refuting evidence suggests

763

00:30:45,130 --> 00:30:42,950

that they are I simply working to a

764

00:30:46,840 --> 00:30:45,140

needy vaccine agenda and truth does not

765

00:30:49,600 --> 00:30:46,850

matter them because the end justifies

766

00:30:52,920 --> 00:30:49,610

the means here are just five of these

767

00:30:55,180 --> 00:30:52,930

continually repeated untruths number one

768

00:30:58,150 --> 00:30:55,190

vaccines contain parts of aborted

769

00:31:00,220 --> 00:30:58,160

fetuses it is true that in the

770

00:31:01,870 --> 00:31:00,230

manufacture of some vaccines a cell line

771

00:31:05,230 --> 00:31:01,880

is used which was derived in the lung

772

00:31:07,000 --> 00:31:05,240

cells while fetus aborted not in 62 it

773

00:31:08,770 --> 00:31:07,010

was a legal termination undertaken to

774

00:31:12,160 --> 00:31:08,780

save the mother's life and the mother

775

00:31:13,480 --> 00:31:12,170

donated the fetus to science attempts

776  
00:31:15,070 --> 00:31:13,490  
have been made to claim that Catholics

777  
00:31:18,340 --> 00:31:15,080  
for example should therefore refuse to

778  
00:31:20,290 --> 00:31:18,350  
use these vaccines in 2003 the Vatican

779  
00:31:22,060 --> 00:31:20,300  
issued a ruling on this matter making it

780  
00:31:23,620 --> 00:31:22,070  
perfectly acceptable for Catholics use

781  
00:31:25,480 --> 00:31:23,630  
these vaccines on the basis that they

782  
00:31:25,720 --> 00:31:25,490  
had an overriding responsibility for the

783  
00:31:27,880 --> 00:31:25,730  
hell

784  
00:31:30,460 --> 00:31:27,890  
their own children and for those that

785  
00:31:34,330 --> 00:31:30,470  
they came in contact with not just their

786  
00:31:35,830 --> 00:31:34,340  
own children number two polio was not

787  
00:31:39,730 --> 00:31:35,840  
reduced by the introduction of vaccines

788  
00:31:41,350 --> 00:31:39,740

but has simply been renamed the obvious

789

00:31:43,900 --> 00:31:41,360

absurdity of this is apparent of anybody

790

00:31:45,400 --> 00:31:43,910

who lived through the early 1950s if

791

00:31:46,960 --> 00:31:45,410

Polly are still present than where are

792

00:31:49,990 --> 00:31:46,970

the calipers on children's leagues and

793

00:31:51,610 --> 00:31:50,000

where are the iron lungs when I asked a

794

00:31:53,380 --> 00:31:51,620

prominent anti-vaccine campaigner for

795

00:31:54,970 --> 00:31:53,390

evidence of this I was pointed to a

796

00:31:58,270 --> 00:31:54,980

reclassification of statistical

797

00:32:00,100 --> 00:31:58,280

categories in 1956 with the CDC ruled

798

00:32:02,110 --> 00:32:00,110

that paralysis had the last to 60 days

799

00:32:05,200 --> 00:32:02,120

for a case to be recorded as paralytic

800

00:32:07,390 --> 00:32:05,210

polio it was not a renaming of anything

801  
00:32:10,840 --> 00:32:07,400  
if it's a refining of the way cases were

802  
00:32:12,130 --> 00:32:10,850  
reported yes polio still exists lo not

803  
00:32:15,070 --> 00:32:12,140  
in places like Australia which have

804  
00:32:16,810 --> 00:32:15,080  
comprehensive vaccination programs the

805  
00:32:17,890 --> 00:32:16,820  
main barrier worldwide eradication

806  
00:32:22,180 --> 00:32:17,900  
seemed to be nonsense spread by

807  
00:32:23,410 --> 00:32:22,190  
religious fanatics number three vaccines

808  
00:32:26,980 --> 00:32:23,420  
have never been tested in clinical

809  
00:32:28,930 --> 00:32:26,990  
trials the largest clinical trial

810  
00:32:30,820 --> 00:32:28,940  
history of Medicine in terms of numbers

811  
00:32:33,910 --> 00:32:30,830  
of test subjects was the trial of the

812  
00:32:36,670 --> 00:32:33,920  
sort polio vaccine with about 500,000

813  
00:32:38,440 --> 00:32:36,680

subjects clinical trials for gardasil

814

00:32:41,440 --> 00:32:38,450

and rotor tech both included more than

815

00:32:45,250 --> 00:32:41,450

30,000 test subjects the time of writing

816

00:32:47,230 --> 00:32:45,260

this pubmed returns 19,000 352 papers

817

00:32:51,930 --> 00:32:47,240

for the keyword search vaccine clinical

818

00:32:54,160 --> 00:32:51,940

trials and 9680 one for vaccine safety

819

00:32:55,750 --> 00:32:54,170

calls are sometimes made the placebo

820

00:32:57,310 --> 00:32:55,760

controlled trials and vaccines but there

821

00:32:59,110 --> 00:32:57,320

are significant ethical problems with

822

00:33:01,870 --> 00:32:59,120

deliberately exposing subjects to deadly

823

00:33:03,520 --> 00:33:01,880

or disabling diseases the extreme cases

824

00:33:06,250 --> 00:33:03,530

a fear mongering the lack of crossover

825

00:33:07,750 --> 00:33:06,260

trousers pointed out as a crossover

826

00:33:09,580 --> 00:33:07,760

trial would require subjects to have

827

00:33:11,380 --> 00:33:09,590

their vaccination status removed part

828

00:33:13,080 --> 00:33:11,390

way through the trial it's obviously

829

00:33:15,100 --> 00:33:13,090

impossible to do this sort of test

830

00:33:16,810 --> 00:33:15,110

people requesting it either do not

831

00:33:19,210 --> 00:33:16,820

understand how scientific research works

832

00:33:21,870 --> 00:33:19,220

or deliberately regarding situation

833

00:33:24,580 --> 00:33:21,880

where they can say this hasn't been done

834

00:33:27,580 --> 00:33:24,590

number four vaccines are injected into

835

00:33:30,250 --> 00:33:27,590

the bloodstream nothing more about this

836

00:33:31,300 --> 00:33:30,260

than no they are not if someone tells

837

00:33:33,400 --> 00:33:31,310

you this June you should immediately

838

00:33:34,750 --> 00:33:33,410

correct them if they persist then you

839

00:33:35,920 --> 00:33:34,760

know that they don't you don't have to

840

00:33:37,960 --> 00:33:35,930

listen to anything more that they have

841

00:33:40,090 --> 00:33:37,970

to say

842

00:33:43,600 --> 00:33:40,100

no disease has ever been wiped out by

843

00:33:45,610 --> 00:33:43,610

vaccination smallpox rinderpest in

844

00:33:48,010 --> 00:33:45,620

cattle with measles and polio on the

845

00:33:49,360 --> 00:33:48,020

horizon the horizon gets pushed away at

846

00:33:51,670 --> 00:33:49,370

times by other opposition of

847

00:33:55,360 --> 00:33:51,680

vaccinations or nonsensical minimization

848

00:33:56,770 --> 00:33:55,370

of the harm these diseases do I look

849

00:33:58,090 --> 00:33:56,780

forward to a rational respectful

850

00:33:59,620 --> 00:33:58,100

discussion about the considerable

851  
00:34:01,270 --> 00:33:59,630  
advantages and the small risks of

852  
00:34:02,560 --> 00:34:01,280  
vaccines and I hope we can avoid

853  
00:34:05,080 --> 00:34:02,570  
nonsense like the things I have

854  
00:34:06,430 --> 00:34:05,090  
mentioned above nobody ever said that

855  
00:34:09,160 --> 00:34:06,440  
vaccines are one hundred percent safe

856  
00:34:10,630 --> 00:34:09,170  
because nothing is anybody who says that

857  
00:34:12,640 --> 00:34:10,640  
vaccine to one hundred percent unsafe is

858  
00:34:13,990 --> 00:34:12,650  
wrong because the billions of vaccinated

859  
00:34:16,180 --> 00:34:14,000  
people with no effective evidence

860  
00:34:17,980 --> 00:34:16,190  
against the claim there are risks

861  
00:34:33,080 --> 00:34:17,990  
associated with vaccines but those was

862  
00:34:39,800 --> 00:34:38,420  
I am audit my existing or even tip said

863  
00:34:42,110 --> 00:34:39,810

I some lotion lifted off the skeptic

864

00:34:44,270 --> 00:34:42,120

zone I'm skeptical marine Nadia the vins

865

00:34:46,130 --> 00:34:44,280

not a blog gear or pub def a podcast of

866

00:34:48,290 --> 00:34:46,140

reading escape system is leaked on this

867

00:34:50,150 --> 00:34:48,300

door open ah central data skips astotel

868

00:34:52,250 --> 00:34:50,160

new or higher publicize the deeps corner

869

00:34:53,960 --> 00:34:52,260

Chiclets and calendar / activator or

870

00:34:55,400 --> 00:34:53,970

link eternity research it escapes his

871

00:34:56,780 --> 00:34:55,410

blog in opportunity I'm lay autodesk

872

00:34:58,850 --> 00:34:56,790

ateres hefty tip of food oh man so

873

00:35:10,460 --> 00:34:58,860

sticky lon 0 Delta do Lhasa escapes in

874

00:35:16,330 --> 00:35:10,470

stocks hello now it's time for dr.

875

00:35:20,600 --> 00:35:18,680

hello listeners I'm coming to you from

876

00:35:23,360 --> 00:35:20,610

melbourne today where it is pouring with

877

00:35:25,310 --> 00:35:23,370

rain at is the AFL Grand Final which is

878

00:35:27,530 --> 00:35:25,320

the Australian Football League grand

879

00:35:29,120 --> 00:35:27,540

final now obviously I'm not watching it

880

00:35:31,340 --> 00:35:29,130

because I'm recording this segment for

881

00:35:33,590 --> 00:35:31,350

you so welcome to a dr. Reggie reports

882

00:35:35,660 --> 00:35:33,600

this week I tell you a tale about

883

00:35:39,350 --> 00:35:35,670

pharmacists Blackmore's and would you

884

00:35:41,120 --> 00:35:39,360

like to supersize your statins the story

885

00:35:42,950 --> 00:35:41,130

begins that pharmacists are amongst the

886

00:35:45,080 --> 00:35:42,960

most trusted professions in Australia

887

00:35:47,420 --> 00:35:45,090

regularly coming in the top 10 of the

888

00:35:49,910 --> 00:35:47,430

annual Reader's Digest survey alongside

889

00:35:52,190 --> 00:35:49,920

paramedics fire fighters pilots and

890

00:35:54,050 --> 00:35:52,200

assaulted medical professionals which

891

00:35:55,970 --> 00:35:54,060

makes me even all the more frustrated to

892

00:35:58,640 --> 00:35:55,980

hear about a new partnership between the

893

00:35:59,990 --> 00:35:58,650

pharmacy Guild of Australia now this is

894

00:36:02,840 --> 00:36:00,000

the body which represents about

895

00:36:05,510 --> 00:36:02,850

ninety-four percent of Australia's 5200

896

00:36:07,490 --> 00:36:05,520

pharmacies and Blackmore's Australia's

897

00:36:10,940 --> 00:36:07,500

largest manufacturer of supplements

898

00:36:13,280 --> 00:36:10,950

vitamins and cam now the partnership

899

00:36:15,440 --> 00:36:13,290

aims to upsell supplements to customers

900

00:36:16,520 --> 00:36:15,450

when getting a prescription filled so

901  
00:36:18,500 --> 00:36:16,530  
basically when you go to get your

902  
00:36:20,540 --> 00:36:18,510  
prescription filled for say statins or

903  
00:36:22,070 --> 00:36:20,550  
antibiotics the pharmacist will be

904  
00:36:25,430 --> 00:36:22,080  
prompted to offer you a matching

905  
00:36:27,890 --> 00:36:25,440  
companion product from Blackmore's so

906  
00:36:29,480 --> 00:36:27,900  
according to an article in fairfax under

907  
00:36:31,520 --> 00:36:29,490  
the arrangement when a prescription is

908  
00:36:33,680 --> 00:36:31,530  
filled a prompt in the pharmacist

909  
00:36:35,480 --> 00:36:33,690  
computer will remind them to discuss a

910  
00:36:38,240 --> 00:36:35,490  
particular Blackmore's product with the

911  
00:36:40,760 --> 00:36:38,250  
patient patients will also receive a

912  
00:36:42,710 --> 00:36:40,770  
personalized professional leaflet giving

913  
00:36:44,840 --> 00:36:42,720

information on why this companion drug

914

00:36:46,190 --> 00:36:44,850

is appropriate this game has been

915

00:36:46,820 --> 00:36:46,200

endorsed by the pharmacy Guild of

916

00:36:48,800 --> 00:36:46,830

Australia

917

00:36:51,320 --> 00:36:48,810

and will be available in pharmacies from

918

00:36:53,090 --> 00:36:51,330

October as an aside I came across an

919

00:36:55,640 --> 00:36:53,100

article yesterday that said Commonwealth

920

00:36:59,810 --> 00:36:55,650

Bank analysts also supported this scheme

921

00:37:01,520 --> 00:36:59,820

I wonder why that is so Christine

922

00:37:03,800 --> 00:37:01,530

holgate who's the CEO and managing

923

00:37:05,360 --> 00:37:03,810

director of Blackmore's told pharmacy

924

00:37:07,850 --> 00:37:05,370

news and this is what's caused or the

925

00:37:09,740 --> 00:37:07,860

few roar that the range gave Blackmore's

926  
00:37:11,960 --> 00:37:09,750  
the opportunity to provide the coke and

927  
00:37:14,420 --> 00:37:11,970  
fries for these pharmaceutical medicines

928  
00:37:16,340 --> 00:37:14,430  
whilst also providing a new and

929  
00:37:18,320 --> 00:37:16,350  
important revenue stream for community

930  
00:37:20,090 --> 00:37:18,330  
pharmacy the scheme has been thoroughly

931  
00:37:21,680 --> 00:37:20,100  
condemned by pharmacists across

932  
00:37:23,480 --> 00:37:21,690  
Australia and they're particularly

933  
00:37:26,150 --> 00:37:23,490  
offended by the use of this term coke

934  
00:37:28,670 --> 00:37:26,160  
and fries their assertion is that this

935  
00:37:30,200 --> 00:37:28,680  
infers that their professionalism their

936  
00:37:32,150 --> 00:37:30,210  
trust amongst the community and their

937  
00:37:34,970 --> 00:37:32,160  
qualifications are pretty much up for

938  
00:37:38,180 --> 00:37:34,980

sale and are worth no more than upsizing

939

00:37:40,190 --> 00:37:38,190

your prescription with coke and fries so

940

00:37:41,930 --> 00:37:40,200

the pharmacy guild who's behind the

941

00:37:44,630 --> 00:37:41,940

scheme has denied that it is

942

00:37:46,880 --> 00:37:44,640

commercially motivated but the president

943

00:37:49,880 --> 00:37:46,890

told pharmacy news that the deal

944

00:37:52,730 --> 00:37:49,890

represented quote a huge opportunity for

945

00:37:54,470 --> 00:37:52,740

the male market since males don't like

946

00:37:56,000 --> 00:37:54,480

whistling doctors and pharmacist is

947

00:37:58,610 --> 00:37:56,010

someone that they don't mind seeing

948

00:38:00,410 --> 00:37:58,620

whether he cares to admit it or not it

949

00:38:02,120 --> 00:38:00,420

doesn't take a genius to figure out this

950

00:38:04,490 --> 00:38:02,130

scheme is potentially very lucrative

951  
00:38:07,130 --> 00:38:04,500  
hence the Commonwealth Bank analyst

952  
00:38:08,600 --> 00:38:07,140  
thinking it's a good idea particularly

953  
00:38:10,250 --> 00:38:08,610  
when the new line of supplements are

954  
00:38:12,400 --> 00:38:10,260  
designed to be paired with prescriptions

955  
00:38:14,930 --> 00:38:12,410  
for statins antibiotics

956  
00:38:16,310 --> 00:38:14,940  
antihypertensives and proton pump

957  
00:38:18,980 --> 00:38:16,320  
inhibitors for gastrointestinal

958  
00:38:21,680 --> 00:38:18,990  
disorders and all of these are very

959  
00:38:24,380 --> 00:38:21,690  
popular pharmaceuticals which constitute

960  
00:38:26,480 --> 00:38:24,390  
more than a third of the 184 million

961  
00:38:29,000 --> 00:38:26,490  
scripts dispensed in Australia every

962  
00:38:31,070 --> 00:38:29,010  
year now this whole business about it

963  
00:38:33,230 --> 00:38:31,080

being lucrative seems odd given that the

964

00:38:35,900 --> 00:38:33,240

pharmacy guild were more concerned about

965

00:38:39,020 --> 00:38:35,910

quote patients and health outcomes than

966

00:38:40,670 --> 00:38:39,030

profit at least they were in 2009 when

967

00:38:43,190 --> 00:38:40,680

they were fighting a proposal for big

968

00:38:46,460 --> 00:38:43,200

supermarket to include pharmacies within

969

00:38:48,260 --> 00:38:46,470

their operations now at the time the

970

00:38:50,300 --> 00:38:48,270

guild argued that super markers are

971

00:38:53,630 --> 00:38:50,310

legally obligated to put shareholders

972

00:38:55,670 --> 00:38:53,640

and profits first whereas pharmacists

973

00:38:58,130 --> 00:38:55,680

care about patients and health outcomes

974

00:39:00,110 --> 00:38:58,140

whilst I wouldn't argue that pharmacists

975

00:39:00,770 --> 00:39:00,120

care about their patients but the guild

976

00:39:03,110 --> 00:39:00,780

not putting

977

00:39:05,360 --> 00:39:03,120

its first if it's not for the money then

978

00:39:07,910 --> 00:39:05,370

please explain homeopathy ear candles

979

00:39:11,000 --> 00:39:07,920

neuropathy and iridology consults with

980

00:39:12,920 --> 00:39:11,010

in pharmacies so let's consider for a

981

00:39:14,810 --> 00:39:12,930

moment that the guild does have the best

982

00:39:16,610 --> 00:39:14,820

interests of patient at heart and that

983

00:39:19,970 --> 00:39:16,620

there is good evidence to support a

984

00:39:23,510 --> 00:39:19,980

fifteen dollar bottle of coenzyme q with

985

00:39:25,520 --> 00:39:23,520

your statins so here is some of the

986

00:39:26,870 --> 00:39:25,530

evidence or lack thereof for these

987

00:39:30,380 --> 00:39:26,880

products working with these

988

00:39:32,240 --> 00:39:30,390

prescriptions the biotic companion which

989

00:39:34,370 --> 00:39:32,250

is designed to be given with antibiotics

990

00:39:37,390 --> 00:39:34,380

contains the probiotic lactobacillus

991

00:39:39,230 --> 00:39:37,400

reuteri and it's designed to reduce

992

00:39:42,230 --> 00:39:39,240

antibiotic-associated bloating

993

00:39:44,240 --> 00:39:42,240

flatulence and diarrhea now while there

994

00:39:45,670 --> 00:39:44,250

is some evidence that certain probiotics

995

00:39:47,990 --> 00:39:45,680

may reduce the incidence of

996

00:39:50,870 --> 00:39:48,000

antibiotic-associated diarrhea in some

997

00:39:52,910 --> 00:39:50,880

populations their routine use is not

998

00:39:55,040 --> 00:39:52,920

recommended by medical authorities and

999

00:39:58,130 --> 00:39:55,050

in immune compromised patients

1000

00:40:01,460 --> 00:39:58,140

occasional cases of probiotic associated

1001  
00:40:03,730 --> 00:40:01,470  
bacteremia have occurred the anti HT

1002  
00:40:06,110 --> 00:40:03,740  
companion is designed to be given with

1003  
00:40:08,540 --> 00:40:06,120  
antihypertensives and contains zinc

1004  
00:40:10,460 --> 00:40:08,550  
gluconate while there are occasional

1005  
00:40:12,860 --> 00:40:10,470  
reports that antihypertensive therapies

1006  
00:40:14,960 --> 00:40:12,870  
may lower zinc levels I'm unaware of any

1007  
00:40:17,060 --> 00:40:14,970  
independent medical authority that

1008  
00:40:20,060 --> 00:40:17,070  
recommends routine zinc supplementation

1009  
00:40:21,710 --> 00:40:20,070  
with antihypertensive therapy the stat

1010  
00:40:24,710 --> 00:40:21,720  
companion is obviously designed to go

1011  
00:40:28,160 --> 00:40:24,720  
with statins and contains coenzyme Q and

1012  
00:40:30,410 --> 00:40:28,170  
vitamin d3 there is variable evidence

1013  
00:40:32,570 --> 00:40:30,420

that coenzyme Q and or vitamin D is

1014

00:40:35,180 --> 00:40:32,580

useful in treating statin associated

1015

00:40:37,550 --> 00:40:35,190

myopathy and this is actually rare and

1016

00:40:40,640 --> 00:40:37,560

usually only occurs in patients taking

1017

00:40:43,730 --> 00:40:40,650

high doses of statins so the routine use

1018

00:40:45,950 --> 00:40:43,740

of coenzyme q10 and vitamin D in Statin

1019

00:40:48,200 --> 00:40:45,960

treated patients is not recommended by

1020

00:40:50,090 --> 00:40:48,210

the medical community so the PPI

1021

00:40:51,980 --> 00:40:50,100

companion is designed to be used with

1022

00:40:54,920 --> 00:40:51,990

proton pump inhibitors and contains

1023

00:40:56,540 --> 00:40:54,930

magnesium and while there are occasional

1024

00:40:58,580 --> 00:40:56,550

reports of clinically significant

1025

00:41:01,160 --> 00:40:58,590

magnesium deficiency occurring in

1026  
00:41:03,830 --> 00:41:01,170  
patients receiving long-term ppi therapy

1027  
00:41:05,990 --> 00:41:03,840  
the remedy is usually to stop the PPI

1028  
00:41:08,630 --> 00:41:06,000  
not routine supplement them with

1029  
00:41:10,700 --> 00:41:08,640  
magnesium so in the fine print of the

1030  
00:41:12,230 --> 00:41:10,710  
material provided by Blackmore's there's

1031  
00:41:14,180 --> 00:41:12,240  
a statement that if a nutritional

1032  
00:41:15,740 --> 00:41:14,190  
deficiency is suspected

1033  
00:41:18,590 --> 00:41:15,750  
pharmacist should refer customers to

1034  
00:41:20,150 --> 00:41:18,600  
their GPS for further investigations but

1035  
00:41:21,860 --> 00:41:20,160  
it's likely that pharmacists already do

1036  
00:41:24,230 --> 00:41:21,870  
this anyway since it's part of their

1037  
00:41:26,510 --> 00:41:24,240  
role as primary healthcare professionals

1038  
00:41:28,910 --> 00:41:26,520

to discuss the possibility of serious

1039

00:41:31,250 --> 00:41:28,920

medication related adverse events with

1040

00:41:33,710 --> 00:41:31,260

their customers and refer them back to

1041

00:41:35,960 --> 00:41:33,720

their GP for appropriate investigation

1042

00:41:37,820 --> 00:41:35,970

where necessary so what should not be a

1043

00:41:40,310 --> 00:41:37,830

part of the role as trusted health

1044

00:41:42,980 --> 00:41:40,320

professionals is pharmacist dishing out

1045

00:41:45,290 --> 00:41:42,990

companion supplements as the fries and

1046

00:41:47,150 --> 00:41:45,300

coke of prescriptions in order to give

1047

00:41:50,570 --> 00:41:47,160

pharmacies a new and important revenue

1048

00:41:52,880 --> 00:41:50,580

stream this practice first of all lacks

1049

00:41:55,940 --> 00:41:52,890

an evidence base secondly it's unethical

1050

00:41:58,040 --> 00:41:55,950

and thirdly it unnecessarily adds to the

1051  
00:42:00,410 --> 00:41:58,050  
medication burden including the

1052  
00:42:03,380 --> 00:42:00,420  
financial costs that many elderly

1053  
00:42:05,120 --> 00:42:03,390  
patients already struggle with now the

1054  
00:42:06,950 --> 00:42:05,130  
response so far from the pharmacy

1055  
00:42:09,560 --> 00:42:06,960  
community of Australia has been harsh

1056  
00:42:12,110 --> 00:42:09,570  
they are totally offended and insulted

1057  
00:42:14,180 --> 00:42:12,120  
by this scheme and many are calling for

1058  
00:42:16,190 --> 00:42:14,190  
a total boycott of Blackmore's products

1059  
00:42:18,530 --> 00:42:16,200  
there have also been calls from

1060  
00:42:21,080 --> 00:42:18,540  
pharmacists to have the CEO of

1061  
00:42:23,270 --> 00:42:21,090  
Blackmore's fired for this insensitive

1062  
00:42:25,220 --> 00:42:23,280  
and inappropriate comment that the

1063  
00:42:28,430 --> 00:42:25,230

supplements can be sold like coke and

1064

00:42:29,900 --> 00:42:28,440

fries now the response so far from

1065

00:42:32,090 --> 00:42:29,910

Marcus Blackmore who's the head of

1066

00:42:34,010 --> 00:42:32,100

Blackmore's has been that they do have

1067

00:42:35,960 --> 00:42:34,020

evidence to support the use of these

1068

00:42:38,990 --> 00:42:35,970

companion products with these particular

1069

00:42:41,840 --> 00:42:39,000

prescriptions but as yet that evidence

1070

00:42:43,340 --> 00:42:41,850

has not been seen by anybody certainly

1071

00:42:45,710 --> 00:42:43,350

what I just told you in this brief

1072

00:42:48,500 --> 00:42:45,720

report does not support the routine use

1073

00:42:50,510 --> 00:42:48,510

of these companion supplements if you

1074

00:42:52,790 --> 00:42:50,520

want to read about this I wrote an

1075

00:42:54,590 --> 00:42:52,800

article in collaboration with dr. ken

1076

00:42:56,710 --> 00:42:54,600

harvey which was published on the

1077

00:43:00,080 --> 00:42:56,720

conversation website at the conversation

1078

00:43:01,910 --> 00:43:00,090

edu a you my name does not appear in the

1079

00:43:04,220 --> 00:43:01,920

article because my workplace has

1080

00:43:06,620 --> 00:43:04,230

dealings with Blackmore's I also wrote a

1081

00:43:08,420 --> 00:43:06,630

blog about this at the skeptics book com

1082

00:43:10,310 --> 00:43:08,430

and there's lots of discussion and has

1083

00:43:11,930 --> 00:43:10,320

been lots of comments from pharmacists

1084

00:43:14,960 --> 00:43:11,940

so if you're interested in reading more

1085

00:43:16,670 --> 00:43:14,970

head to skeptics book calm and until

1086

00:43:20,810 --> 00:43:16,680

next time this has been dr. Richie

1087

00:43:26,370 --> 00:43:23,490

now we bring you the Today Tonight

1088

00:43:29,430 --> 00:43:26,380

report by our good friend reporter Frank

1089

00:43:37,530 --> 00:43:29,440

pang gelo all about ear candles which

1090

00:43:39,630 --> 00:43:37,540

you hear dr. hu now parking a burning

1091

00:43:41,610 --> 00:43:39,640

stick into your ear doesn't sound like a

1092

00:43:43,710 --> 00:43:41,620

great idea yet there are some natural

1093

00:43:45,810 --> 00:43:43,720

therapists promoting this way he

1094

00:43:48,090 --> 00:43:45,820

practice using ear candles for health

1095

00:43:50,130 --> 00:43:48,100

and well-being alarmed medical

1096

00:43:51,930 --> 00:43:50,140

professionals say it's dangerous yet as

1097

00:43:54,090 --> 00:43:51,940

Frank Bangalow reports these quack

1098

00:43:56,610 --> 00:43:54,100

remedies are still being sold by

1099

00:44:04,229 --> 00:43:56,620

chemists who should know better than to

1100

00:44:09,209 --> 00:44:07,319

an ear candle is made up of cotton or

1101

00:44:11,189 --> 00:44:09,219

linen and that's coached in paraffin or

1102

00:44:13,799 --> 00:44:11,199

wax and then it's rolled up when it's

1103

00:44:15,599 --> 00:44:13,809

warm allowed to harden and then put it

1104

00:44:18,209 --> 00:44:15,609

into your ear and you burn the far end

1105

00:44:21,419 --> 00:44:18,219

of it as far as health treatments go

1106

00:44:23,969 --> 00:44:21,429

this one is quite bizarre some Native

1107

00:44:26,969 --> 00:44:23,979

Americans use it as a form of ritual

1108

00:44:30,629 --> 00:44:26,979

there's a wonderful way to get rid of

1109

00:44:33,809 --> 00:44:30,639

the excess wax and to help with sinus

1110

00:44:37,709 --> 00:44:33,819

pressure or TMJ syndrome or migraine

1111

00:44:41,069 --> 00:44:37,719

headaches I think they work they don't

1112

00:44:42,809 --> 00:44:41,079

hurt you do feel a bit silly lying there

1113

00:44:44,609 --> 00:44:42,819

with a big candle stuck out of your ear

1114

00:44:48,089 --> 00:44:44,619

but definitely feels a lot clearer

1115

00:44:51,239 --> 00:44:48,099

afterwards Ellie chambers swears by ear

1116

00:44:54,659 --> 00:44:51,249

candles she regularly uses them to help

1117

00:44:56,129 --> 00:44:54,669

unclog her ear canals of wax definitely

1118

00:44:58,679 --> 00:44:56,139

better than cotton bugs you're not

1119

00:45:02,039 --> 00:44:58,689

poking and prodding around your ear and

1120

00:45:04,289 --> 00:45:02,049

it gets a lot more wax out there's no

1121

00:45:07,139 --> 00:45:04,299

evidence in all of science to show that

1122

00:45:09,269 --> 00:45:07,149

ear candles work but dr. Rachel Dunlop

1123

00:45:12,089 --> 00:45:09,279

from the Australian skeptics warns that

1124

00:45:15,359 --> 00:45:12,099

ear candling is not only medically

1125

00:45:18,059 --> 00:45:15,369

unproven it's also dangerous this was

1126

00:45:19,949 --> 00:45:18,069

shown in a study done in 1996 where

1127

00:45:22,289 --> 00:45:19,959

patients were coming to see lan nose and

1128

00:45:24,749 --> 00:45:22,299

throat surgeons for things like burns

1129

00:45:27,629 --> 00:45:24,759

from wax in their ears perforated

1130

00:45:29,699 --> 00:45:27,639

eardrums and sometimes temporary

1131

00:45:32,489 --> 00:45:29,709

deafness from hot wax dripping inside

1132

00:45:35,099 --> 00:45:32,499

their ears is the most effective what

1133

00:45:38,069 --> 00:45:35,109

worries doctors and specialists aren't

1134

00:45:40,049 --> 00:45:38,079

natural medicine therapists or reckon

1135

00:45:41,879 --> 00:45:40,059

ologist seeeeee like this one and

1136

00:45:44,909 --> 00:45:41,889

promote the myth that the practice

1137

00:45:46,859 --> 00:45:44,919

actually does you some good an ear

1138

00:45:48,599 --> 00:45:46,869

canola gist is someone who can't be

1139

00:45:51,419 --> 00:45:48,609

bothered getting a proper medical degree

1140

00:45:53,279 --> 00:45:51,429

or a science degree and charge money to

1141

00:45:55,409 --> 00:45:53,289

potentially put people at risk and

1142

00:45:58,259 --> 00:45:55,419

danger by burning candles in their ears

1143

00:46:00,449 --> 00:45:58,269

a process called convection which is

1144

00:46:02,249 --> 00:46:00,459

really the heat applied to the top of

1145

00:46:06,239 --> 00:46:02,259

the candle acts like a little mini

1146

00:46:10,109 --> 00:46:06,249

vacuum and it sucks the pollen the yeast

1147

00:46:11,399 --> 00:46:10,119

and moistened earwax in fact scientists

1148

00:46:13,829 --> 00:46:11,409

have done experiments where they've

1149

00:46:15,299 --> 00:46:13,839

placed the candles over a machine that

1150

00:46:17,349 --> 00:46:15,309

measures a change in pressure and

1151

00:46:18,999 --> 00:46:17,359

there's no change in pressure so

1152

00:46:20,739 --> 00:46:19,009

if there was a change in pressure it

1153

00:46:23,859 --> 00:46:20,749

would be so great it could burst during

1154

00:46:25,900 --> 00:46:23,869

your job and one of the tricks used to

1155

00:46:27,940 --> 00:46:25,910

fool people is shown them the waxy

1156

00:46:30,609 --> 00:46:27,950

residue left at the end of the burning

1157

00:46:32,950 --> 00:46:30,619

process now tests have been done on that

1158

00:46:35,140 --> 00:46:32,960

residue and in fact it's candle wax it's

1159

00:46:37,109 --> 00:46:35,150

not earwax it's just a residue from the

1160

00:46:39,130 --> 00:46:37,119

candle when it burnt there is of course

1161

00:46:41,739 --> 00:46:39,140

inherent dangers in ear candling

1162

00:46:44,470 --> 00:46:41,749

including traumatizing the external

1163

00:46:46,569 --> 00:46:44,480

canals traumatizing the eardrum and have

1164

00:46:48,759 --> 00:46:46,579

been cases reported of rupture of the

1165

00:46:51,339 --> 00:46:48,769

eardrum in fact having wax in your ears

1166

00:46:54,239 --> 00:46:51,349

is a good thing says that late ear nose

1167

00:46:56,470 --> 00:46:54,249

and throat specialist dr. Darcy economos

1168

00:46:57,670 --> 00:46:56,480

most years are generally self cleansing

1169

00:46:59,710 --> 00:46:57,680

and there's really no need to put

1170

00:47:02,440 --> 00:46:59,720

anything in the ears at all other than

1171

00:47:04,900 --> 00:47:02,450

at most the corner of a soft towel to

1172

00:47:07,900 --> 00:47:04,910

clear the air now he warns against using

1173

00:47:11,410 --> 00:47:07,910

ear candles and even the most widely

1174

00:47:14,019 --> 00:47:11,420

used remedy cotton-tipped buds ear buds

1175

00:47:15,420 --> 00:47:14,029

inserted will impact wax or ceremony

1176

00:47:17,829 --> 00:47:15,430

into the deep portion of the air canal

1177

00:47:21,309 --> 00:47:17,839

moreover you can do considerable damage

1178

00:47:23,200 --> 00:47:21,319

to the outer ear ear drum and produce a

1179

00:47:24,910 --> 00:47:23,210

significant hearing loss if one

1180

00:47:28,029 --> 00:47:24,920

traumatizes here with the use of earbuds

1181

00:47:30,190 --> 00:47:28,039

ear candles are banned in Canada yet

1182

00:47:33,069 --> 00:47:30,200

here they have the tick of approval from

1183

00:47:35,559 --> 00:47:33,079

the Therapeutic Goods Authority and you

1184

00:47:38,859 --> 00:47:35,569

can readily buy them in many pharmacies

1185

00:47:41,229 --> 00:47:38,869

but Rachel Dunlop says quack therapies

1186

00:47:43,660 --> 00:47:41,239

like these shouldn't be there at all

1187

00:47:45,880 --> 00:47:43,670

just because they sell is not an excuse

1188

00:47:47,499 --> 00:47:45,890

to stock them so if pharmacist start

1189

00:47:49,630 --> 00:47:47,509

stocking cigarettes is that okay too

1190

00:47:52,420 --> 00:47:49,640

because they sell but if you're having

1191

00:47:54,609 --> 00:47:52,430

ear problems dr. economist recommends

1192

00:47:56,739 --> 00:47:54,619

you seek professional medical advice

1193

00:48:00,580 --> 00:47:56,749

that one shouldn't put anything smaller

1194

00:48:05,330 --> 00:48:03,500

well we do try several times to contact

1195

00:48:07,010 --> 00:48:05,340

the distributors of ear candles for a

1196

00:48:10,920 --> 00:48:07,020

comment but they didn't respond to our

1197

00:48:16,510 --> 00:48:13,750

dr. Rachel Dunlop is one of Australia's

1198

00:48:17,940 --> 00:48:16,520

foremost media commentators in matters

1199

00:48:20,470 --> 00:48:17,950

concerning so-called alternative

1200

00:48:24,280 --> 00:48:20,480

medicine she has appeared on national

1201  
00:48:26,560 --> 00:48:24,290  
radio and national television dr. AG is

1202  
00:48:30,520 --> 00:48:26,570  
available for interviews and you can

1203  
00:48:45,740 --> 00:48:30,530  
contact her at Rachel at skeptic zone

1204  
00:48:50,160 --> 00:48:48,090  
astronomy cast it takes a fact space

1205  
00:48:51,870 --> 00:48:50,170  
journey through the cosmos as it offers

1206  
00:48:54,570 --> 00:48:51,880  
listeners weekly discussions on

1207  
00:48:57,510 --> 00:48:54,580  
astronomical topics ranging from planets

1208  
00:48:59,790 --> 00:48:57,520  
to cosmology hosted by Fraser Cain of

1209  
00:49:00,780 --> 00:48:59,800  
Universe Today and myself dr. Pamela

1210  
00:49:03,450 --> 00:49:00,790  
gave southern illinois university

1211  
00:49:05,340 --> 00:49:03,460  
edwardsville this show brings the

1212  
00:49:07,770 --> 00:49:05,350  
questions of an avid astronomy lover

1213  
00:49:09,870 --> 00:49:07,780

directly to an astronomer together

1214

00:49:11,400 --> 00:49:09,880

Fraser and I explore what is known and

1215

00:49:14,160 --> 00:49:11,410

being discovered about the universe

1216

00:49:16,230 --> 00:49:14,170

around us join us each week as we take a

1217

00:49:31,530 --> 00:49:16,240

fact space journey through the cosmos at

1218

00:49:37,060 --> 00:49:33,940

thank you for listening to the skipped

1219

00:49:41,950 --> 00:49:37,070

exam this week next week on the skeptics

1220

00:49:45,850 --> 00:49:41,960

own hmm and yet another mystery skeptics

1221

00:49:48,400 --> 00:49:45,860

love mysteries the only way to find out

1222

00:49:50,710 --> 00:49:48,410

the answer to this mystery is to

1223

00:49:53,140 --> 00:49:50,720

download the next episode I'll be doing

1224

00:49:54,220 --> 00:49:53,150

it because just like you I'd like to

1225

00:49:59,050 --> 00:49:54,230

know what's coming up in next week's

1226

00:50:01,360 --> 00:49:59,060

show I hope it's interesting yeah until

1227

00:50:04,120 --> 00:50:01,370

then this is Richard Saunders thanking

1228

00:50:06,550 --> 00:50:04,130

you once again for enjoying the skeptic

1229

00:50:09,490 --> 00:50:06,560

zone and all those people who contribute

1230

00:50:15,520 --> 00:50:09,500

thank you signing off from Sydney

1231

00:50:20,200 --> 00:50:15,530

Australia you've been listening to the

1232

00:50:24,040 --> 00:50:20,210

skeptic zone visit our website at [www](http://www)