

1
00:00:06,349 --> 00:00:14,119
welcome to the skeptic zone the podcast

2
00:00:09,509 --> 00:00:14,120
from Australia for science and reason

3
00:00:20,350 --> 00:00:29,200
hello and welcome to the skeptic zone

4
00:00:23,199 --> 00:00:31,059
episode 84 form a 28 2010 this is dr.

5
00:00:29,199 --> 00:00:33,429
Richie with you today filling in for

6
00:00:31,059 --> 00:00:36,070
Richard Saunders who's pretty under the

7
00:00:33,429 --> 00:00:37,988
weather this week Richard's had a cold

8
00:00:36,070 --> 00:00:41,140
for a few days which has now turned into

9
00:00:37,988 --> 00:00:43,419
some kind of laryngitis so he's sounding

10
00:00:41,140 --> 00:00:45,969
like a very croaky person right now and

11
00:00:43,420 --> 00:00:49,329
then yesterday he thinks he may have

12
00:00:45,969 --> 00:00:51,448
broken his toe so as we speak Richard is

13
00:00:49,329 --> 00:00:55,390
at the doctor's waiting for the verdict

14
00:00:51,448 --> 00:00:58,808
so we hope he gets better soon but on to

15
00:00:55,390 --> 00:01:01,058
this week's show this week our reporter

16
00:00:58,808 --> 00:01:04,030
Carly Sturgis has an interview with

17
00:01:01,058 --> 00:01:06,219
Warren bonnet who runs a skeptical and

18
00:01:04,030 --> 00:01:09,129
scientific book shop called embiggen

19
00:01:06,219 --> 00:01:11,289
books Warren also hosts lectures and

20
00:01:09,129 --> 00:01:13,839
talks and recently hosted the Nobel

21
00:01:11,290 --> 00:01:16,090
prize-winning immunologist professor

22
00:01:13,840 --> 00:01:18,969
peter doherty so we look forward to that

23
00:01:16,090 --> 00:01:21,430
interview this is followed by dr. Richie

24
00:01:18,969 --> 00:01:23,379
reports where I summarized the events

25
00:01:21,430 --> 00:01:25,930
leading up to Andrew Wakefield getting

26
00:01:23,379 --> 00:01:29,379
struck off the medical register in the

27
00:01:25,930 --> 00:01:31,719
UK last Tuesday so sit back listeners

28
00:01:29,379 --> 00:01:36,149
send your healing energies to Richard

29

00:01:31,718 --> 00:01:36,149
and enjoy this week's skeptic zone

30
00:01:48,500 --> 00:01:54,390
I'm Carly Sturgis and I'm talking to

31
00:01:51,750 --> 00:01:56,879
Warren Burnett Warren bonad is the

32
00:01:54,390 --> 00:01:59,219
creator of the in biggin bookstore a

33
00:01:56,879 --> 00:02:01,769
store located in noosaville in

34
00:01:59,219 --> 00:02:04,019
Queensland in the northeast of Australia

35
00:02:01,769 --> 00:02:06,390
what makes in biggin bookstore different

36
00:02:04,019 --> 00:02:08,729
is that it is devoted to selling and

37
00:02:06,390 --> 00:02:10,949
promoting rationalism and science

38
00:02:08,729 --> 00:02:13,229
through its store Warren is a regular

39
00:02:10,949 --> 00:02:15,419
feature on the token skeptic podcast as

40
00:02:13,229 --> 00:02:17,579
a book reviewer and as an active skeptic

41
00:02:15,419 --> 00:02:19,889
you can see many of the lectures that he

42
00:02:17,580 --> 00:02:24,360
holds in his store promoted on his

43
00:02:19,889 --> 00:02:27,059

website thank you very much for joining

44

00:02:24,360 --> 00:02:29,880

me Warren first of all what did you do

45

00:02:27,060 --> 00:02:34,349

before you owned a bookstore wow that's

46

00:02:29,879 --> 00:02:38,370

an immense variety of stuff right I'm a

47

00:02:34,349 --> 00:02:39,389

I'm a graphic designer that's something

48

00:02:38,370 --> 00:02:42,060

I've been doing for quite a long time

49

00:02:39,389 --> 00:02:45,599

but over the course of my years since

50

00:02:42,060 --> 00:02:49,050

leaving University of done everything

51

00:02:45,599 --> 00:02:51,659

from a whole variety of salesman book

52

00:02:49,050 --> 00:02:54,810

designer cook waiter barman teacher

53

00:02:51,659 --> 00:02:56,310

legal clerk veterinary assistant and I

54

00:02:54,810 --> 00:03:00,599

spent a year and a half riding my push

55

00:02:56,310 --> 00:03:03,090

bike around Australia wonderful and so

56

00:03:00,599 --> 00:03:05,280

what led to the creation of the in vegan

57

00:03:03,090 --> 00:03:08,039

bookstore I mean that is after all a

58
00:03:05,280 --> 00:03:11,219
reference to a Simpsons joke isn't it it

59
00:03:08,039 --> 00:03:13,549
is yes if the joke being that a noble

60
00:03:11,219 --> 00:03:16,109
spiriting begins even the smallest man

61
00:03:13,550 --> 00:03:19,980
was a show which was exploring the

62
00:03:16,110 --> 00:03:22,730
nature of of language and how urban

63
00:03:19,979 --> 00:03:26,189
myths develop and and Lisa Simpson

64
00:03:22,729 --> 00:03:29,219
wanting to get to the truth and that

65
00:03:26,189 --> 00:03:31,079
episode wasn't really what made the word

66
00:03:29,219 --> 00:03:33,180
come to mind for us it was actually the

67
00:03:31,080 --> 00:03:36,390
word in vegan turning up in a string

68
00:03:33,180 --> 00:03:39,420
theory paper a noble spirit in where it

69
00:03:36,389 --> 00:03:42,809
where he says the d-brane in Biggins

70
00:03:39,419 --> 00:03:45,179
into an e brain and the reviewer of that

71
00:03:42,810 --> 00:03:47,900
the peer reviewer wrote that he thought

72
00:03:45,180 --> 00:03:50,430
it was a perfectly cromulent idea which

73
00:03:47,900 --> 00:03:52,840
another Simpsons word so that was that

74
00:03:50,430 --> 00:03:54,430
was pretty good but um

75
00:03:52,840 --> 00:03:57,848
thing that led to the creation of the

76
00:03:54,430 --> 00:04:02,709
store was it's really been a very very

77
00:03:57,848 --> 00:04:06,009
long time coming at university I I

78
00:04:02,709 --> 00:04:08,080
started and very long time ago a whole

79
00:04:06,009 --> 00:04:12,699
variety different philosophers and

80
00:04:08,080 --> 00:04:16,060
ethicists and and it started to dawn on

81
00:04:12,699 --> 00:04:20,439
me that I would like to do something

82
00:04:16,060 --> 00:04:22,540
that was positive in contribution to a

83
00:04:20,439 --> 00:04:24,699
variety of problems that the world seems

84
00:04:22,540 --> 00:04:27,010
to have or humanity seems to at least

85
00:04:24,699 --> 00:04:29,290
engage with them I wasn't really sure

86

00:04:27,009 --> 00:04:30,819
how to go about doing that and that

87
00:04:29,290 --> 00:04:32,260
actually led to me having a whole

88
00:04:30,819 --> 00:04:34,060
variety of jobs believe it or not

89
00:04:32,259 --> 00:04:36,969
because i was i was quite interested in

90
00:04:34,060 --> 00:04:38,500
in not just being an academic in trying

91
00:04:36,970 --> 00:04:41,950
to get out there and see what people

92
00:04:38,500 --> 00:04:44,319
thought and and and what how they felt

93
00:04:41,949 --> 00:04:46,569
about stuff and so in after leaving my

94
00:04:44,319 --> 00:04:49,529
environmental ethics course i found

95
00:04:46,569 --> 00:04:52,060
people in my first job which was a

96
00:04:49,529 --> 00:04:57,159
working in corporate affairs in victoria

97
00:04:52,060 --> 00:04:58,449
which is a government body i I met

98
00:04:57,160 --> 00:05:01,300
people that have never heard of the

99
00:04:58,449 --> 00:05:03,339
ozone layer Wow and this was at the time

100
00:05:01,300 --> 00:05:04,720

when the hole in the ozone layer had

101

00:05:03,339 --> 00:05:07,569

effectively just been announced it was

102

00:05:04,720 --> 00:05:09,220

all over the news and met people that

103

00:05:07,569 --> 00:05:10,750

had never heard of the ozone layer and

104

00:05:09,220 --> 00:05:12,780

that's when I knew that the problem was

105

00:05:10,750 --> 00:05:15,699

going to be a lot bigger than I thought

106

00:05:12,779 --> 00:05:17,319

ticket it wasn't just dealing with

107

00:05:15,699 --> 00:05:21,870

specific problems it was dealing with

108

00:05:17,319 --> 00:05:24,129

any huge amount of not just ignorance

109

00:05:21,870 --> 00:05:28,269

ignorance is really the wrong word

110

00:05:24,129 --> 00:05:32,500

it's just a lack of engagement in things

111

00:05:28,269 --> 00:05:34,509

to do with democracy for instance you

112

00:05:32,500 --> 00:05:36,250

know people are voting on issues

113

00:05:34,509 --> 00:05:38,949

frequently that they're completely

114

00:05:36,250 --> 00:05:41,740

uneducated on which to me undermines

115
00:05:38,949 --> 00:05:45,279
democracy democracy requires an educated

116
00:05:41,740 --> 00:05:48,060
populace in my opinion and if you don't

117
00:05:45,279 --> 00:05:50,679
have it then the votes are somewhat

118
00:05:48,060 --> 00:05:53,319
compromised and so we're having people

119
00:05:50,680 --> 00:05:55,629
who were in voting physicians who were

120
00:05:53,319 --> 00:05:57,069
voting not for governments that were

121
00:05:55,629 --> 00:05:58,779
going to have policies on dealing with

122
00:05:57,069 --> 00:06:01,000
the ozone layer and yet the people

123
00:05:58,779 --> 00:06:06,468
didn't know what the ozone layer even

124
00:06:01,000 --> 00:06:10,978
wats see so many many years later

125
00:06:06,468 --> 00:06:13,259
lots of different and ways of trying to

126
00:06:10,978 --> 00:06:15,688
look at the problem I really thought

127
00:06:13,259 --> 00:06:18,090
that a bookstore that didn't require

128
00:06:15,689 --> 00:06:20,659
people to join an organization to become

129
00:06:18,089 --> 00:06:24,658
an ism or a nest or anything like that

130
00:06:20,658 --> 00:06:26,188
if a bookstore stopped offering all of

131
00:06:24,658 --> 00:06:29,788
the irrational stuff and then he's

132
00:06:26,189 --> 00:06:31,500
offered mostly rational material then

133
00:06:29,788 --> 00:06:33,688
anyone could engage with the material

134
00:06:31,500 --> 00:06:37,019
without doing anything I could simply

135
00:06:33,689 --> 00:06:38,879
walk into a bookstore and they would

136
00:06:37,019 --> 00:06:41,188
find like in our shot you walk in the

137
00:06:38,879 --> 00:06:43,860
door and you're faced with 3,000 science

138
00:06:41,189 --> 00:06:46,699
books as soon as you walk in the door

139
00:06:43,860 --> 00:06:50,520
and that's that's really been the goal

140
00:06:46,699 --> 00:06:52,740
is to make something that and hopefully

141
00:06:50,519 --> 00:06:55,378
will work as a business model we haven't

142
00:06:52,740 --> 00:06:57,960
really proved that yet but it's slowly

143

00:06:55,379 --> 00:06:59,218
getting there but if it does work it

144
00:06:57,959 --> 00:07:02,399
means we could set up these little

145
00:06:59,218 --> 00:07:06,629
rational bastions around the cities and

146
00:07:02,399 --> 00:07:08,579
then conduct science talks and

147
00:07:06,629 --> 00:07:12,229
philosophy talks in them as a matter of

148
00:07:08,579 --> 00:07:14,908
course which is what we do now why in

149
00:07:12,228 --> 00:07:17,000
Queensland rather than Victoria you said

150
00:07:14,908 --> 00:07:19,439
that you first learned about people's

151
00:07:17,000 --> 00:07:21,658
lack of knowledge about the ozone layer

152
00:07:19,439 --> 00:07:27,300
when you're Victoria why choose

153
00:07:21,658 --> 00:07:31,228
Queensland uh well mm I Queensland was

154
00:07:27,300 --> 00:07:34,860
kind of chosen for me really I was

155
00:07:31,228 --> 00:07:40,468
living in the UK in London for 20 years

156
00:07:34,860 --> 00:07:42,110
and I worked mostly as a designer there

157
00:07:40,468 --> 00:07:46,800

but a whole variety of other things and

158

00:07:42,110 --> 00:07:49,050

my best friend in Australia and Kirsty

159

00:07:46,800 --> 00:07:52,889

Bruce was working in the film industry

160

00:07:49,050 --> 00:07:56,520

and she bought a house in Queensland on

161

00:07:52,889 --> 00:07:59,460

the sunshine coast and when I came back

162

00:07:56,519 --> 00:08:07,620

and I went to visit Kirsty it's my best

163

00:07:59,459 --> 00:08:10,528

friend and and then we kissed ah a new

164

00:08:07,620 --> 00:08:12,718

birth date so then we were both still

165

00:08:10,528 --> 00:08:15,870

freelancing at the time and we wanted to

166

00:08:12,718 --> 00:08:17,579

try and find a way to make things work

167

00:08:15,870 --> 00:08:19,439

here and that's when the bookshop really

168

00:08:17,579 --> 00:08:22,469

came to the fore until oh well it's

169

00:08:19,439 --> 00:08:26,310

undo it here and and that's all done

170

00:08:22,470 --> 00:08:28,770

literally sunk everything we can in to

171

00:08:26,310 --> 00:08:32,279

making it work just try and make as

172
00:08:28,769 --> 00:08:34,529
bigger impact as we can I've recently

173
00:08:32,279 --> 00:08:36,899
read on facebook Warren a situation

174
00:08:34,529 --> 00:08:39,149
where an uncle was criticized for giving

175
00:08:36,899 --> 00:08:41,459
Daniel Loxton evolution book to his

176
00:08:39,149 --> 00:08:44,009
nieces do you have any advice on how to

177
00:08:41,460 --> 00:08:46,350
handle situations like that where people

178
00:08:44,009 --> 00:08:48,899
might like to encourage reading on

179
00:08:46,350 --> 00:08:52,440
rationalism and science but they know

180
00:08:48,899 --> 00:08:54,720
that there's going to be opposition yeah

181
00:08:52,440 --> 00:08:57,770
it's something I do come across from

182
00:08:54,720 --> 00:09:00,509
time to time and there's no one blanket

183
00:08:57,769 --> 00:09:03,539
book to be able to hand out to everyone

184
00:09:00,509 --> 00:09:06,509
in every situation because everyone has

185
00:09:03,539 --> 00:09:10,259
their own sort of tentativeness but i

186
00:09:06,509 --> 00:09:12,960
tend to suggest start with things that

187
00:09:10,259 --> 00:09:14,850
are off-topic don't don't don't stay

188
00:09:12,960 --> 00:09:16,769
general stay with things that are to do

189
00:09:14,850 --> 00:09:19,139
with critical thinking start of the

190
00:09:16,769 --> 00:09:23,970
basis you don't start with subjects like

191
00:09:19,139 --> 00:09:27,779
say evolution because that can open up a

192
00:09:23,970 --> 00:09:29,190
lot of other things at the same time and

193
00:09:27,779 --> 00:09:33,000
that will prevent any critical

194
00:09:29,190 --> 00:09:36,270
engagement with the subject at all so I

195
00:09:33,000 --> 00:09:38,250
tend to start with just thought I'd

196
00:09:36,269 --> 00:09:41,669
start with thinking so things like Phil

197
00:09:38,250 --> 00:09:43,470
cans books or if they're for kids or if

198
00:09:41,669 --> 00:09:47,639
they're not for kids things like crimes

199
00:09:43,470 --> 00:09:49,560
against logic by Jamie white or demon

200

00:09:47,639 --> 00:09:53,340
haunted world the absolute classic I

201
00:09:49,559 --> 00:09:57,269
mean they're not specifically attacking

202
00:09:53,340 --> 00:09:59,700
any any particular issue other than the

203
00:09:57,269 --> 00:10:01,710
way people think about things and so I

204
00:09:59,700 --> 00:10:06,180
think that's that's the best place to

205
00:10:01,710 --> 00:10:11,009
start on any of those sorts of things if

206
00:10:06,179 --> 00:10:15,059
if the adult is that they're giving them

207
00:10:11,009 --> 00:10:18,509
to or if they've come in themselves and

208
00:10:15,059 --> 00:10:20,849
have made a few inquiries about things

209
00:10:18,509 --> 00:10:23,338
that you think they might be open to

210
00:10:20,850 --> 00:10:25,920
something a little bit more then you

211
00:10:23,339 --> 00:10:27,720
could go more direct for instance I had

212
00:10:25,919 --> 00:10:31,169
some women come into the shop at one

213
00:10:27,720 --> 00:10:33,580
point two and we were having a Charles

214
00:10:31,169 --> 00:10:35,139

Darwin day and they said oh what

215

00:10:33,580 --> 00:10:37,770

are you doing that for wasn't he like

216

00:10:35,139 --> 00:10:41,699

one of the most evil men in history Wow

217

00:10:37,769 --> 00:10:45,639

and these were University educated

218

00:10:41,700 --> 00:10:48,220

40-something women not religious

219

00:10:45,639 --> 00:10:51,029

particularly one of them was married to

220

00:10:48,220 --> 00:10:54,310

a religious person but no real

221

00:10:51,029 --> 00:10:57,339

religiosity there they just simply had

222

00:10:54,309 --> 00:11:00,899

this misconception so I simply handed

223

00:10:57,340 --> 00:11:03,610

the mayor biography of Charles Darwin

224

00:11:00,899 --> 00:11:06,279

which they both devoured within 24 hours

225

00:11:03,610 --> 00:11:09,100

and now they run the like run a local

226

00:11:06,279 --> 00:11:13,959

sort of non-fiction book club meetup

227

00:11:09,100 --> 00:11:16,000

between women and they're also now

228

00:11:13,960 --> 00:11:19,090

recently bought Christopher Hitchens

229

00:11:16,000 --> 00:11:20,679
book god is not great and a variety of

230

00:11:19,090 --> 00:11:22,690
others and they're they're amazing they

231

00:11:20,679 --> 00:11:26,109
just come in and and they devour things

232

00:11:22,690 --> 00:11:27,520
now it's wonderful oh that raises my

233

00:11:26,110 --> 00:11:30,100
next question do you have a cafe

234

00:11:27,519 --> 00:11:34,509
attached to your bookstore there's one

235

00:11:30,100 --> 00:11:39,990
next door to us called organika orgánica

236

00:11:34,509 --> 00:11:43,569
is staffed by really lovely people and

237

00:11:39,990 --> 00:11:47,009
that they do deal with a few problematic

238

00:11:43,570 --> 00:11:52,600
items i also just say things like

239

00:11:47,009 --> 00:11:57,759
homeopathic remedies and um ear candling

240

00:11:52,600 --> 00:12:02,310
stuff you know all that gum and it

241

00:11:57,759 --> 00:12:06,519
causes us a fairly high degree of

242

00:12:02,309 --> 00:12:08,739
heartache because they're just not

243
00:12:06,519 --> 00:12:11,559
engaged in the material they don't want

244
00:12:08,740 --> 00:12:13,149
to be engaged in the material really and

245
00:12:11,559 --> 00:12:15,489
they're they're running a business

246
00:12:13,149 --> 00:12:19,360
they're giving people what they want in

247
00:12:15,490 --> 00:12:23,649
that arena so people who are into

248
00:12:19,360 --> 00:12:26,889
organic food also tend to head towards

249
00:12:23,649 --> 00:12:30,579
things like that apparently so in fact

250
00:12:26,889 --> 00:12:32,919
we frequently get people who stop there

251
00:12:30,580 --> 00:12:35,050
to eat and drink come next door

252
00:12:32,919 --> 00:12:39,519
expecting to find a spiritual new age

253
00:12:35,049 --> 00:12:41,199
bookshop and and and one person in

254
00:12:39,519 --> 00:12:42,750
particular actually got angry that we

255
00:12:41,200 --> 00:12:45,450
weren't

256
00:12:42,750 --> 00:12:47,009
and you know it's a bit misleading being

257

00:12:45,450 --> 00:12:50,430
next to organika like that don't you

258
00:12:47,009 --> 00:12:52,679
think yeah and though as they walked out

259
00:12:50,429 --> 00:12:57,839
the woman turned to the man and said oh

260
00:12:52,679 --> 00:13:01,319
it's one of those bookshops aloo have no

261
00:12:57,840 --> 00:13:04,680
idea what that means but clearly she did

262
00:13:01,320 --> 00:13:06,930
spoke and every they walk past about

263
00:13:04,679 --> 00:13:11,129
once or twice a week to go the coffee

264
00:13:06,929 --> 00:13:12,899
and and every time I catch them walking

265
00:13:11,129 --> 00:13:16,169
past the window they can't see any but i

266
00:13:12,899 --> 00:13:18,149
can see ya they sort of peering into the

267
00:13:16,169 --> 00:13:20,789
shop with a bit of a smile on their face

268
00:13:18,149 --> 00:13:22,649
so it's quite amusing night well you

269
00:13:20,789 --> 00:13:24,959
never know maybe one day they'll come

270
00:13:22,649 --> 00:13:26,939
back in again to give a piece of their

271
00:13:24,960 --> 00:13:28,680

mind as they go off to have another

272

00:13:26,940 --> 00:13:30,540

piece of cake and perhaps you might be

273

00:13:28,679 --> 00:13:32,339

able to get some dialogue happening yeah

274

00:13:30,539 --> 00:13:34,259

well I have done with a few but there

275

00:13:32,340 --> 00:13:36,840

there are some people who do seem to be

276

00:13:34,259 --> 00:13:40,799

a little bit beyond it there's a lot of

277

00:13:36,840 --> 00:13:42,210

anti-vaxxers that go there and they come

278

00:13:40,799 --> 00:13:46,469

in here and have a bit of an argument

279

00:13:42,210 --> 00:13:48,480

from time to time and yeah um expect you

280

00:13:46,470 --> 00:13:50,910

know look at our medical section on the

281

00:13:48,480 --> 00:13:53,460

shelf and see people like Paul off it

282

00:13:50,909 --> 00:13:55,199

and Simon Singh and say what about the

283

00:13:53,460 --> 00:13:57,900

other side of the argument and I said

284

00:13:55,200 --> 00:14:00,300

well that's really politics it's not

285

00:13:57,899 --> 00:14:01,980

science this is a science book shop just

286
00:14:00,299 --> 00:14:03,959
try and contain it that way you know

287
00:14:01,980 --> 00:14:06,570
just say look there there's no science

288
00:14:03,960 --> 00:14:10,139
that's really coming out against this in

289
00:14:06,570 --> 00:14:12,120
the way that you think it is so I need

290
00:14:10,139 --> 00:14:14,159
to stock science books that's that's

291
00:14:12,120 --> 00:14:16,139
what that section is so that brings me

292
00:14:14,159 --> 00:14:17,639
to my next question which is what's it

293
00:14:16,139 --> 00:14:19,710
like in the region where your book

294
00:14:17,639 --> 00:14:23,009
stories you've already started to give a

295
00:14:19,710 --> 00:14:24,960
hint with clues about the AC vaccination

296
00:14:23,009 --> 00:14:27,870
crowd in the region of Queensland where

297
00:14:24,960 --> 00:14:30,360
you are yeah it's um it's a it really is

298
00:14:27,870 --> 00:14:32,190
a bit of a mixture there's a small

299
00:14:30,360 --> 00:14:36,839
community of people who are very

300
00:14:32,190 --> 00:14:42,030
actively engaged in intellectual life

301
00:14:36,839 --> 00:14:46,830
and and there's a crossover between them

302
00:14:42,029 --> 00:14:49,139
and the more spiritual new-agey kind

303
00:14:46,830 --> 00:14:53,339
that meet in the middle where the

304
00:14:49,139 --> 00:14:55,230
environmentalists inhabit now I would be

305
00:14:53,339 --> 00:14:56,640
classified as an environmentalist I was

306
00:14:55,230 --> 00:14:58,620
trained in environmental ethics

307
00:14:56,639 --> 00:15:01,409
an outdoor education initially so I've

308
00:14:58,620 --> 00:15:05,580
got a background in that and a lot of

309
00:15:01,409 --> 00:15:11,759
that area is actually caught up in quite

310
00:15:05,580 --> 00:15:14,220
a lot of misinformation about the world

311
00:15:11,759 --> 00:15:15,960
and then nature of nature is good nature

312
00:15:14,220 --> 00:15:19,110
is wonderful nature will provide nature

313
00:15:15,960 --> 00:15:21,180
is the best thing that ever happened and

314

00:15:19,110 --> 00:15:24,629
they don't and therefore natural

315
00:15:21,179 --> 00:15:26,879
products are good and so you get a lot

316
00:15:24,629 --> 00:15:30,179
of anti sciences with anti science

317
00:15:26,879 --> 00:15:32,419
people in the environment movement so

318
00:15:30,179 --> 00:15:34,319
the intellectuals on one side

319
00:15:32,419 --> 00:15:36,000
environmentalists in the middle complete

320
00:15:34,320 --> 00:15:38,490
lures on the other and being in the

321
00:15:36,000 --> 00:15:42,419
middle of the environmentalists now on

322
00:15:38,490 --> 00:15:46,940
the war side we have practitioners of

323
00:15:42,419 --> 00:15:50,309
Gerson Therapy here and which is a

324
00:15:46,940 --> 00:15:54,480
spectacularly debunked range of

325
00:15:50,309 --> 00:16:00,089
therapies for cancers oh wow and their

326
00:15:54,480 --> 00:16:02,909
coffee enemas Oh corsets in in quantum

327
00:16:00,090 --> 00:16:05,040
consciousness there are psychic

328
00:16:02,909 --> 00:16:07,230

hairdressers how that would be

329

00:16:05,039 --> 00:16:12,240

fascinating what do they do what do they

330

00:16:07,230 --> 00:16:14,190

I don't know but at one point when the

331

00:16:12,240 --> 00:16:17,549

economic crisis hit they they didn't put

332

00:16:14,190 --> 00:16:18,960

a sign in their window saying I think it

333

00:16:17,549 --> 00:16:21,389

was one one way the other was either

334

00:16:18,960 --> 00:16:23,129

free free psychic reading with every

335

00:16:21,389 --> 00:16:24,720

haircut or free here come with every

336

00:16:23,129 --> 00:16:28,620

psychic reading I can't move which one

337

00:16:24,720 --> 00:16:32,910

it but had quite amusing there are aura

338

00:16:28,620 --> 00:16:34,470

comas there are Reiki masters and we

339

00:16:32,909 --> 00:16:37,439

have them coming in the shop from time

340

00:16:34,470 --> 00:16:39,060

to time and we also have people who are

341

00:16:37,440 --> 00:16:42,690

led to their shop by their intuitive

342

00:16:39,059 --> 00:16:44,069

spirit guides Oh Jen all that intuitive

343
00:16:42,690 --> 00:16:47,280
if they're walking in there trying to

344
00:16:44,070 --> 00:16:51,810
find us and and we have Fung Shui people

345
00:16:47,279 --> 00:16:55,079
saying i love the space it's just great

346
00:16:51,809 --> 00:16:59,369
energy in here um did you did you work

347
00:16:55,080 --> 00:17:02,310
out all the fun Shui and I know

348
00:16:59,370 --> 00:17:05,400
yes it's just natural that way yeah yes

349
00:17:02,309 --> 00:17:08,308
yeah yeah I'm just understood designer I

350
00:17:05,400 --> 00:17:12,329
just designed it that's that's it that's

351
00:17:08,308 --> 00:17:16,439
it yes there's a lot of that so we it is

352
00:17:12,328 --> 00:17:18,629
a difficult and line to tread because I

353
00:17:16,439 --> 00:17:21,199
don't want to send them just packing I

354
00:17:18,630 --> 00:17:22,920
want to try and get them to engage with

355
00:17:21,199 --> 00:17:25,079
material that they might not otherwise

356
00:17:22,920 --> 00:17:27,329
engage with and and that's why I

357

00:17:25,078 --> 00:17:29,339
mentioned before start them off on

358

00:17:27,328 --> 00:17:33,119
things to do with thinking start them

359

00:17:29,339 --> 00:17:36,000
off on stuff that will potentially get

360

00:17:33,119 --> 00:17:37,799
them to question their assumptions and

361

00:17:36,000 --> 00:17:41,130
that's really hard there's a lot of not

362

00:17:37,799 --> 00:17:43,889
a lot of material I think that can

363

00:17:41,130 --> 00:17:48,450
actually engage people who are hostile

364

00:17:43,890 --> 00:17:50,940
to sort I first got to learn of you

365

00:17:48,450 --> 00:17:53,009
online but we met in person at the

366

00:17:50,940 --> 00:17:55,019
Australian skeptics convention last year

367

00:17:53,009 --> 00:17:56,519
in Brisbane where you were the official

368

00:17:55,019 --> 00:17:58,379
bookstore what are some of the

369

00:17:56,519 --> 00:17:59,970
recommendations you have for people who

370

00:17:58,380 --> 00:18:05,160
are interested in good skeptical books

371

00:17:59,970 --> 00:18:07,289
oh there are so many great thing to know

372
00:18:05,160 --> 00:18:08,940
because i have so many people searching

373
00:18:07,289 --> 00:18:10,740
my site for them so it's wonderful to

374
00:18:08,940 --> 00:18:12,179
know that someone says there's lots of

375
00:18:10,740 --> 00:18:15,120
the mouth in what do you recommend first

376
00:18:12,179 --> 00:18:17,700
off well i'll be my number one choice

377
00:18:15,119 --> 00:18:19,489
for all things skeptical is still Dave

378
00:18:17,700 --> 00:18:22,650
demon haunted world it's just

379
00:18:19,490 --> 00:18:25,079
beautifully written I would have to say

380
00:18:22,650 --> 00:18:27,150
that Martin bridge stocks book beyond

381
00:18:25,079 --> 00:18:31,169
belief has got to be high up there too

382
00:18:27,150 --> 00:18:32,850
it's a it really engages with the

383
00:18:31,170 --> 00:18:34,769
material in quite a different way to

384
00:18:32,849 --> 00:18:37,379
demon haunted world and it's I think a

385
00:18:34,769 --> 00:18:40,679

nice companion piece I think the two

386

00:18:37,380 --> 00:18:42,720

work together quite well and for reasons

387

00:18:40,679 --> 00:18:46,050

that I don't think would be immediately

388

00:18:42,720 --> 00:18:48,360

apparent and crimes against logic the

389

00:18:46,049 --> 00:18:51,869

Jamie white book and that's a real

390

00:18:48,359 --> 00:18:54,240

number one book for thinking so a

391

00:18:51,869 --> 00:18:56,039

cracking little book I have to find that

392

00:18:54,240 --> 00:18:59,839

one I haven't got that one so I better

393

00:18:56,039 --> 00:19:02,399

make sure i order from your site oh okay

394

00:18:59,839 --> 00:19:05,399

yeah it's it's very good it's and it's

395

00:19:02,400 --> 00:19:08,670

quite slim because in at the heart of

396

00:19:05,400 --> 00:19:10,860

critical thinking logic is at the basis

397

00:19:08,670 --> 00:19:12,690

of that and so it's a and he's a

398

00:19:10,859 --> 00:19:15,699

terrific philosopher

399

00:19:12,690 --> 00:19:18,390

he's got a couple of others but I don't

400
00:19:15,700 --> 00:19:22,750
have them in stock at the moment and

401
00:19:18,390 --> 00:19:26,080
Julian bikinis work oh yes he is

402
00:19:22,750 --> 00:19:30,369
terrific I really really like him it's

403
00:19:26,079 --> 00:19:35,740
just got a great a great voice it's it's

404
00:19:30,369 --> 00:19:38,558
really contained and it's not given to

405
00:19:35,740 --> 00:19:41,740
hyperbole he really tries to keep things

406
00:19:38,558 --> 00:19:44,079
quite mellow is the mellow English

407
00:19:41,740 --> 00:19:48,880
philosopher who engages in tricky

408
00:19:44,079 --> 00:19:50,409
material and I like reading I liked

409
00:19:48,880 --> 00:19:52,150
reading everything he's written so one

410
00:19:50,410 --> 00:19:54,040
of his ones in particular is do you

411
00:19:52,150 --> 00:19:57,040
think what you think you think yes

412
00:19:54,039 --> 00:20:00,069
that's a cracker and he's also done

413
00:19:57,039 --> 00:20:04,500
philosophy behind the headlines the

414
00:20:00,069 --> 00:20:07,269
Philosopher's toolkit and each of these

415
00:20:04,500 --> 00:20:11,859
are great for anyone who wants to engage

416
00:20:07,269 --> 00:20:13,900
in skepticism yeah I even used the pig

417
00:20:11,859 --> 00:20:16,869
who wishes to be eaten with my high

418
00:20:13,900 --> 00:20:20,759
school classes oh good very good it's a

419
00:20:16,869 --> 00:20:24,039
crack a great book grandpa so yes and

420
00:20:20,759 --> 00:20:25,720
there there are a variety of others most

421
00:20:24,039 --> 00:20:29,759
a lot of the Philosopher's have written

422
00:20:25,720 --> 00:20:32,740
material that I would also suggest so I

423
00:20:29,759 --> 00:20:35,490
AC Grayling is one of my favorites

424
00:20:32,740 --> 00:20:38,620
although it's not directly engaged in in

425
00:20:35,490 --> 00:20:41,410
skepticism he tends to deal with more

426
00:20:38,619 --> 00:20:45,339
with things like secular humanist ethics

427
00:20:41,410 --> 00:20:47,470
and problems of of ethical

428

00:20:45,339 --> 00:20:51,159
considerations and moral considerations

429
00:20:47,470 --> 00:20:54,360
and but he also engages in really modern

430
00:20:51,160 --> 00:20:56,558
material so is done work on on the

431
00:20:54,359 --> 00:20:59,259
collateral damage for instance during

432
00:20:56,558 --> 00:21:01,808
the war truth claims and a lot of truth

433
00:20:59,259 --> 00:21:04,619
claims are made in in ethical areas and

434
00:21:01,808 --> 00:21:06,670
moral areas and and skepticism

435
00:21:04,619 --> 00:21:07,959
traditionally does avoid them and I

436
00:21:06,670 --> 00:21:10,600
think it traditionally avoids them

437
00:21:07,960 --> 00:21:13,929
primarily because it's really messy yeah

438
00:21:10,599 --> 00:21:17,319
I see grayling as a way to start

439
00:21:13,929 --> 00:21:20,290
thinking critically about ethical issues

440
00:21:17,319 --> 00:21:23,200
is it's my chosen author in that area

441
00:21:20,289 --> 00:21:25,538
yeah you will also recently

442
00:21:23,200 --> 00:21:27,179

add a humanist convention that happened

443

00:21:25,538 --> 00:21:30,460

in Queensland can you tell us about that

444

00:21:27,179 --> 00:21:32,110

yes I was invited to be a speaker I 10

445

00:21:30,460 --> 00:21:36,909

yes what did you talk about what

446

00:21:32,109 --> 00:21:41,469

happened and well I I am my topic was my

447

00:21:36,909 --> 00:21:44,860

my talk was taught labeled what Julia

448

00:21:41,470 --> 00:21:50,200

said to Richard mmm I don't know if you

449

00:21:44,859 --> 00:21:53,740

saw the Q and I a month or so ago a

450

00:21:50,200 --> 00:21:57,100

little bit with Julia Bishop and Richard

451

00:21:53,740 --> 00:21:59,200

Dawkins yes sure yes it's been it's been

452

00:21:57,099 --> 00:22:02,469

featured on line and I've watched it

453

00:21:59,200 --> 00:22:06,669

again recently years yeah so she was

454

00:22:02,470 --> 00:22:09,490

asked the question was do you believe in

455

00:22:06,669 --> 00:22:13,028

an afterlife and her response was along

456

00:22:09,490 --> 00:22:15,849

the lines of well I can't believe that

457
00:22:13,028 --> 00:22:20,319
this is it is this it is this all we

458
00:22:15,849 --> 00:22:23,109
have on earth hmm I am always amazed

459
00:22:20,319 --> 00:22:26,019
when I hear that sort of comment even

460
00:22:23,109 --> 00:22:28,750
though I do tend to hear variations of

461
00:22:26,019 --> 00:22:32,798
their comment on a regular basis and so

462
00:22:28,750 --> 00:22:35,798
I made my talk about answering that

463
00:22:32,798 --> 00:22:37,058
question is this evil what yeah it was

464
00:22:35,798 --> 00:22:39,069
good i really enjoyed it and the

465
00:22:37,058 --> 00:22:41,798
feedback was really good it was my first

466
00:22:39,069 --> 00:22:44,349
attempt of public speaking brilliant

467
00:22:41,798 --> 00:22:46,269
well done you well that's great yeah

468
00:22:44,349 --> 00:22:50,980
that was good and we had a little

469
00:22:46,269 --> 00:22:54,038
bookstore there as well and where I just

470
00:22:50,980 --> 00:22:55,960
featured more of our humanist stock as

471
00:22:54,038 --> 00:23:01,750
well as some of the critical thinking

472
00:22:55,960 --> 00:23:03,579
work and at that particular session

473
00:23:01,750 --> 00:23:05,859
probably the best selling book of the

474
00:23:03,579 --> 00:23:07,839
day was Bertrand Russell's histories of

475
00:23:05,859 --> 00:23:10,388
Western thought or histories of Western

476
00:23:07,839 --> 00:23:12,548
philosophy sir I mean I got that one is

477
00:23:10,388 --> 00:23:14,109
a very young person when i first started

478
00:23:12,548 --> 00:23:16,750
my philosophy degree and it's still a

479
00:23:14,109 --> 00:23:19,089
favorite of mine it is a cracker isn't

480
00:23:16,750 --> 00:23:20,679
it yeah it's a wonderful book if people

481
00:23:19,089 --> 00:23:22,808
go to your website they can see a

482
00:23:20,679 --> 00:23:24,610
variety of other lectures that people

483
00:23:22,808 --> 00:23:26,710
have given at your bookstore all free

484
00:23:24,609 --> 00:23:30,788
for viewing online one of our primary

485

00:23:26,710 --> 00:23:34,419
aims is to bring in thinkers scientists

486
00:23:30,788 --> 00:23:36,519
philosophers to the public that don't

487
00:23:34,419 --> 00:23:38,469
normally get to see them n

488
00:23:36,519 --> 00:23:41,888
really especially in an area like this

489
00:23:38,469 --> 00:23:43,808
you don't really get people like the

490
00:23:41,888 --> 00:23:45,519
ones we get to come and speak so the

491
00:23:43,808 --> 00:23:47,259
last weekend we had Russell Blackford

492
00:23:45,519 --> 00:23:49,200
who was also a speaker at the Atheist

493
00:23:47,259 --> 00:23:52,419
convention come and speak in the shop

494
00:23:49,200 --> 00:23:54,729
and we were packed for that we had about

495
00:23:52,419 --> 00:23:58,419
65 people in the shop now we can only

496
00:23:54,729 --> 00:24:00,369
really seek 45 so that was amazing and

497
00:23:58,419 --> 00:24:03,519
that was great and Russell was terrific

498
00:24:00,368 --> 00:24:06,819
he gave a really good talk on sort of

499
00:24:03,519 --> 00:24:09,969

the history of all things that are

500

00:24:06,819 --> 00:24:12,189
behind secular issues and secular

501

00:24:09,969 --> 00:24:14,229
philosophy and and why you might be

502

00:24:12,190 --> 00:24:17,649
interested in having a secular society

503

00:24:14,229 --> 00:24:21,399
even if you're religious so that talk

504

00:24:17,648 --> 00:24:23,798
will be going online next week we've

505

00:24:21,398 --> 00:24:26,528
also had Peter Elton a critical thinking

506

00:24:23,798 --> 00:24:30,638
award winner along with Martin bridge

507

00:24:26,528 --> 00:24:34,118
doc professor ian fraser the great

508

00:24:30,638 --> 00:24:38,949
scientist at the center of developing a

509

00:24:34,118 --> 00:24:41,769
vaccine for cervical cancer pack Ian

510

00:24:38,950 --> 00:24:45,038
Lowe and a variety of environmental

511

00:24:41,769 --> 00:24:47,950
scientists and other authors who are

512

00:24:45,038 --> 00:24:50,229
engaged in scientific issues so we we

513

00:24:47,950 --> 00:24:51,999
video them we put them online we also

514
00:24:50,229 --> 00:24:53,739
try and include the questions that are

515
00:24:51,999 --> 00:24:57,159
actually asked of them in the audience

516
00:24:53,739 --> 00:25:00,038
so that we can try and start getting a

517
00:24:57,159 --> 00:25:03,700
dialogue between people whose view them

518
00:25:00,038 --> 00:25:05,200
locally and people who are outside of

519
00:25:03,700 --> 00:25:07,869
the region who might be viewing it from

520
00:25:05,200 --> 00:25:10,538
over overseas or somewhere else in

521
00:25:07,868 --> 00:25:13,178
Australia so I would really like to be

522
00:25:10,538 --> 00:25:14,798
able to get that blog to be a focal

523
00:25:13,179 --> 00:25:18,038
point for conversation about those

524
00:25:14,798 --> 00:25:19,450
things because some you don't get videos

525
00:25:18,038 --> 00:25:20,739
of these things otherwise and they're

526
00:25:19,450 --> 00:25:22,808
not where else you're going to find a

527
00:25:20,739 --> 00:25:25,149
one hour long video of Martin bridge

528
00:25:22,808 --> 00:25:26,979
stop talking about skepticism absolutely

529
00:25:25,148 --> 00:25:28,478
brilliant it's a wonderful place to to

530
00:25:26,979 --> 00:25:30,639
see them and you get to see what a

531
00:25:28,479 --> 00:25:32,798
beautiful book store you have so people

532
00:25:30,638 --> 00:25:36,488
do have the chance to come and see it

533
00:25:32,798 --> 00:25:39,338
what's the actual address of it we're in

534
00:25:36,489 --> 00:25:44,139
noosaville we're on why the road which

535
00:25:39,338 --> 00:25:45,940
is w ey be a 205 why burrowed we're just

536
00:25:44,138 --> 00:25:47,599
up the road from aldi and next to

537
00:25:45,940 --> 00:25:50,269
orgánica

538
00:25:47,599 --> 00:25:52,399
so look for the two stores that are sort

539
00:25:50,269 --> 00:25:56,329
of looking sideways at each other and

540
00:25:52,400 --> 00:25:58,370
saying and with yeah yeah and the

541
00:25:56,329 --> 00:26:01,460
website of course is in big and books

542

00:25:58,369 --> 00:26:03,619
calm isn't it yes I did have someone

543
00:26:01,460 --> 00:26:06,288
asked me about these people can order

544
00:26:03,619 --> 00:26:08,538
online read reviews online contribute

545
00:26:06,288 --> 00:26:11,650
reviews online as well as contribute to

546
00:26:08,538 --> 00:26:14,179
the blog can't they indeedy they can we

547
00:26:11,650 --> 00:26:15,410
welcome reviews particularly on those

548
00:26:14,179 --> 00:26:18,620
sorts of books that we've been talking

549
00:26:15,410 --> 00:26:22,519
about the skeptical books because it

550
00:26:18,619 --> 00:26:24,500
helps to have other people's views on

551
00:26:22,519 --> 00:26:27,529
these things each each of the books have

552
00:26:24,500 --> 00:26:28,700
strengths and weaknesses and you can be

553
00:26:27,529 --> 00:26:32,359
recommended under different

554
00:26:28,700 --> 00:26:33,890
circumstances as we've seen and even

555
00:26:32,359 --> 00:26:37,609
I've contributed a book review but

556
00:26:33,890 --> 00:26:40,059

mine's a bit silly no no and we've had

557

00:26:37,609 --> 00:26:44,089

some good reviews another great review

558

00:26:40,058 --> 00:26:47,329

yours and Sean the blogger naught oh yes

559

00:26:44,089 --> 00:26:50,089

he's done a couple of cracking reviews

560

00:26:47,329 --> 00:26:52,189

for us as well sir and he said is to you

561

00:26:50,089 --> 00:26:53,509

to deliver another and I need to get on

562

00:26:52,190 --> 00:26:55,250

to him about that because he's a bit

563

00:26:53,509 --> 00:26:57,109

late yep so if you're listening Sean

564

00:26:55,250 --> 00:27:01,220

which I'm certain you are get moving on

565

00:26:57,109 --> 00:27:05,329

it yeah great okay so people head over

566

00:27:01,220 --> 00:27:06,980

to ww embigen books calm and buy from

567

00:27:05,329 --> 00:27:08,389

you online i think is an important thing

568

00:27:06,980 --> 00:27:10,009

let's see we can encourage more

569

00:27:08,390 --> 00:27:13,610

rationalist book stores out there to

570

00:27:10,009 --> 00:27:16,700

keep on thriving DD also just to bear in

571
00:27:13,609 --> 00:27:19,729
mind that a large proportion of our

572
00:27:16,700 --> 00:27:22,250
profits as small as they are due simply

573
00:27:19,730 --> 00:27:24,409
go back into science outreach because

574
00:27:22,250 --> 00:27:26,538
that's that's our mo that's why we're

575
00:27:24,409 --> 00:27:28,190
here if we can't increase scientific

576
00:27:26,538 --> 00:27:31,069
literacy in the community then we're

577
00:27:28,190 --> 00:27:35,720
failing really do thank you so much for

578
00:27:31,069 --> 00:27:37,220
talking to us wallet my pleasure thanks

579
00:27:35,720 --> 00:27:39,769
again to warren if you would like to

580
00:27:37,220 --> 00:27:44,419
hear our monthly book reviews head over

581
00:27:39,769 --> 00:27:47,629
to the token skeptic podcast at ww token

582
00:27:44,419 --> 00:27:51,220
skeptical warren site is found out in

583
00:27:47,630 --> 00:27:51,220
beggin books calm

584
00:27:59,019 --> 00:28:03,500
examining the truth in exposing the

585
00:28:01,160 --> 00:28:05,509
frauds that psychics co uk is the

586
00:28:03,500 --> 00:28:07,609
website that critically examines mediums

587
00:28:05,509 --> 00:28:09,440
clairvoyants and psychics follow the

588
00:28:07,609 --> 00:28:11,539
controversies news and discussions in

589
00:28:09,440 --> 00:28:13,039
the lively forum community and now you

590
00:28:11,539 --> 00:28:14,720
can download your weekly fix of

591
00:28:13,039 --> 00:28:17,089
righteous indignation the official

592
00:28:14,720 --> 00:28:18,350
podcast of bad psychics khodet UK that

593
00:28:17,089 --> 00:28:21,470
talks hard and critically about

594
00:28:18,349 --> 00:28:23,240
paranormal bad psychics doctor at UK the

595
00:28:21,470 --> 00:28:34,670
UK's largest and most respected

596
00:28:23,240 --> 00:28:37,430
skeptical site looking at psychics now

597
00:28:34,670 --> 00:28:42,470
it's time for dr. Rachel reports with

598
00:28:37,430 --> 00:28:45,560
dr. Rachel Dunlop hello listeners and

599

00:28:42,470 --> 00:28:47,450
welcome to dr. Richie reports it may

600
00:28:45,559 --> 00:28:49,849
have come 12 years too late but finally

601
00:28:47,450 --> 00:28:51,590
Andrew Wakefield the doctor who sparked

602
00:28:49,849 --> 00:28:54,889
the worldwide controversy about the

603
00:28:51,589 --> 00:28:57,649
safety of the MMR vaccine the measles

604
00:28:54,890 --> 00:29:00,290
mumps rubella has been struck off the UK

605
00:28:57,650 --> 00:29:02,300
medical register the white field

606
00:29:00,289 --> 00:29:04,009
investigation was the longest in the

607
00:29:02,299 --> 00:29:07,220
history of the General Medical Council

608
00:29:04,009 --> 00:29:11,329
in the UK with the disciplinary panel

609
00:29:07,220 --> 00:29:13,759
sitting for a total of 148 days over a

610
00:29:11,329 --> 00:29:17,869
period of two and a half years at an

611
00:29:13,759 --> 00:29:19,339
estimated cost of 1 million pounds the

612
00:29:17,869 --> 00:29:21,019
results of the investigation were

613
00:29:19,339 --> 00:29:25,009

revealed in a hundred and forty three

614

00:29:21,019 --> 00:29:27,379

page report on January the 28 2010 and

615

00:29:25,009 --> 00:29:29,269

they found that Wakefield showed a

616

00:29:27,380 --> 00:29:31,220

callous disregard for children's

617

00:29:29,269 --> 00:29:34,539

suffering and abused his position of

618

00:29:31,220 --> 00:29:36,710

trust and in a statement the GMC

619

00:29:34,539 --> 00:29:38,629

determined that dr. Wakefield's name

620

00:29:36,710 --> 00:29:42,049

should be erased from the medical

621

00:29:38,630 --> 00:29:46,880

register and so this came to be on May

622

00:29:42,049 --> 00:29:48,889

the 25th 2010 now this decision follows

623

00:29:46,880 --> 00:29:51,320

an investigation into Wakefield's

624

00:29:48,890 --> 00:29:54,560

behavior because of his publication that

625

00:29:51,319 --> 00:29:56,659

appeared in The Lancet in 1998 now

626

00:29:54,559 --> 00:30:00,349

although this publication itself did not

627

00:29:56,660 --> 00:30:02,330

make a link between MMR and autism it

628
00:30:00,349 --> 00:30:03,778
was at a press conference after the

629
00:30:02,329 --> 00:30:05,548
paper was published

630
00:30:03,778 --> 00:30:08,729
we're wakefield first suggested this

631
00:30:05,548 --> 00:30:11,429
link he urged caution and advised

632
00:30:08,729 --> 00:30:14,609
parents to seek out single vaccines for

633
00:30:11,429 --> 00:30:16,979
measles mumps or rubella so Wakefield

634
00:30:14,608 --> 00:30:19,228
statements resonated worldwide and this

635
00:30:16,979 --> 00:30:21,808
scared way many parents from vaccinating

636
00:30:19,229 --> 00:30:24,659
their children and also firmly cemented

637
00:30:21,808 --> 00:30:26,759
the anti-vaccination movement the

638
00:30:24,659 --> 00:30:29,219
resulting drop in vaccine compliance

639
00:30:26,759 --> 00:30:31,950
continues to contribute to outbreaks of

640
00:30:29,219 --> 00:30:34,950
vaccine-preventable diseases and we have

641
00:30:31,950 --> 00:30:39,629
seen outbreaks of measles whooping cough

642
00:30:34,950 --> 00:30:41,399
and mumps in recent months so some of

643
00:30:39,628 --> 00:30:43,079
the findings from the GMC weather

644
00:30:41,398 --> 00:30:46,108
Wakefield was found to have brought the

645
00:30:43,079 --> 00:30:48,538
medical profession into disrepute and it

646
00:30:46,108 --> 00:30:51,028
was in reference to him taking blood

647
00:30:48,538 --> 00:30:52,618
samples for the study from children who

648
00:30:51,028 --> 00:30:56,249
were attending his son's birthday party

649
00:30:52,618 --> 00:30:58,678
in return for five pounds reward now

650
00:30:56,249 --> 00:31:00,269
Wakefield was later filmed laughing and

651
00:30:58,679 --> 00:31:02,940
joking at a conference about the

652
00:31:00,269 --> 00:31:04,769
children fainting and vomiting here's

653
00:31:02,940 --> 00:31:07,200
what Wakefield had to say to Matt Lauer

654
00:31:04,769 --> 00:31:10,769
of the USA Today Show with reference to

655
00:31:07,200 --> 00:31:12,659
this incident he needed some control

656

00:31:10,769 --> 00:31:16,378
blood from children who were entirely

657
00:31:12,659 --> 00:31:17,729
normal and so I asked my children and my

658
00:31:16,378 --> 00:31:19,259
wife said we've got a birthday party

659
00:31:17,729 --> 00:31:20,338
coming up we've got some medical friends

660
00:31:19,259 --> 00:31:21,838
why don't we ask them if they'd be

661
00:31:20,338 --> 00:31:24,148
prepared to let their children do it too

662
00:31:21,838 --> 00:31:25,798
so seven or eight children said sure I

663
00:31:24,148 --> 00:31:27,268
don't know why that sounds funny to me

664
00:31:25,798 --> 00:31:29,940
but it does at a children's birthday

665
00:31:27,269 --> 00:31:31,798
party blood samples being drawn from

666
00:31:29,940 --> 00:31:34,409
children were they paid for the samples

667
00:31:31,798 --> 00:31:36,118
they were rewarded they weren't paid how

668
00:31:34,409 --> 00:31:38,820
are they at the end of the party they

669
00:31:36,118 --> 00:31:40,978
were given five pounds that at the time

670
00:31:38,819 --> 00:31:43,618

I guess about it why isn't that paying

671

00:31:40,979 --> 00:31:45,598

them well it's not saying up front by

672

00:31:43,618 --> 00:31:47,338

coercing them you do this we're going to

673

00:31:45,598 --> 00:31:50,878

give you money it's saying at the end of

674

00:31:47,338 --> 00:31:52,678

it here's a reward for for helping it's

675

00:31:50,878 --> 00:31:54,628

completely ridiculous that Wakefield

676

00:31:52,679 --> 00:31:57,479

would expect this method of collecting

677

00:31:54,628 --> 00:31:59,939

samples for a study to be ethical and

678

00:31:57,479 --> 00:32:01,739

aboveboard he is either completely

679

00:31:59,940 --> 00:32:03,690

clueless when it comes to the strict

680

00:32:01,739 --> 00:32:06,319

procedures instructed by ethics

681

00:32:03,690 --> 00:32:08,879

committees or is completely incompetent

682

00:32:06,319 --> 00:32:10,858

so in addition Wakefield conducted

683

00:32:08,878 --> 00:32:13,108

unnecessary painful and intrusive

684

00:32:10,858 --> 00:32:15,778

diagnostic treatments on children and

685
00:32:13,108 --> 00:32:16,428
these included colonoscopies and spinal

686
00:32:15,778 --> 00:32:19,609
taps

687
00:32:16,429 --> 00:32:22,278
now in further investigations sunday

688
00:32:19,609 --> 00:32:24,558
times journalists Bryan dear revealed

689
00:32:22,278 --> 00:32:27,470
that Wakefield did not disclose serious

690
00:32:24,558 --> 00:32:29,359
financial conflicts of interest now dear

691
00:32:27,470 --> 00:32:31,940
provided evidence that Wakefield was

692
00:32:29,359 --> 00:32:34,519
paid thousands of pounds by lawyers

693
00:32:31,940 --> 00:32:38,240
seeking a link between the MMR vaccine

694
00:32:34,519 --> 00:32:41,019
and autism and Wakefield also had a

695
00:32:38,240 --> 00:32:43,638
patent on his own single measles vaccine

696
00:32:41,019 --> 00:32:44,960
similar to the one he urged parents to

697
00:32:43,638 --> 00:32:48,319
seek out at the press conference

698
00:32:44,960 --> 00:32:50,350
following the publishing of the paper so

699
00:32:48,319 --> 00:32:53,599
things began to crumble for wakefield in

700
00:32:50,349 --> 00:32:55,788
2004 when 10 of the 12 authors on The

701
00:32:53,599 --> 00:32:58,668
Lancet paper withdrew their names from

702
00:32:55,788 --> 00:33:01,099
the publication stating we wish to make

703
00:32:58,669 --> 00:33:03,769
it clear that in this paper no causal

704
00:33:01,099 --> 00:33:06,788
link was established between MMR vaccine

705
00:33:03,769 --> 00:33:10,009
and autism as the data were insufficient

706
00:33:06,788 --> 00:33:12,109
however the possibility of such a link

707
00:33:10,009 --> 00:33:14,618
was raised and consequent events have

708
00:33:12,109 --> 00:33:17,178
had major implications for public health

709
00:33:14,618 --> 00:33:19,278
so it took a further six years before

710
00:33:17,179 --> 00:33:21,679
the editor of The Lancet retracted the

711
00:33:19,278 --> 00:33:23,628
paper completely which effectively means

712
00:33:21,679 --> 00:33:27,139
it is now scratched from the scientific

713

00:33:23,628 --> 00:33:29,209
record and in another blow for Wakefield

714
00:33:27,138 --> 00:33:30,939
another paper which was accepted for

715
00:33:29,210 --> 00:33:34,129
publication in the journal

716
00:33:30,940 --> 00:33:36,980
neurotoxicology was also subsequently

717
00:33:34,128 --> 00:33:39,199
withdrawn this study attempted to show a

718
00:33:36,980 --> 00:33:41,089
link between thimerosal and impaired

719
00:33:39,200 --> 00:33:45,710
neurological development in baby

720
00:33:41,089 --> 00:33:47,509
macaques so in 2005 Wakefield relocated

721
00:33:45,710 --> 00:33:49,788
to the United States where he

722
00:33:47,509 --> 00:33:52,190
established and became director of the

723
00:33:49,788 --> 00:33:54,440
alternative medicine clinic for children

724
00:33:52,190 --> 00:33:57,470
with autism spectrum disorders known as

725
00:33:54,440 --> 00:33:59,210
thoughtful house the clinic has come

726
00:33:57,470 --> 00:34:01,600
under fire for using questionable

727
00:33:59,210 --> 00:34:04,069

treatments such as collation a

728

00:34:01,599 --> 00:34:08,269

scientifically unproven therapy and

729

00:34:04,069 --> 00:34:09,918

dangerous therapy for autism Wakefield

730

00:34:08,269 --> 00:34:12,500

was pressured into resigning his

731

00:34:09,918 --> 00:34:17,298

position following the GMC findings in

732

00:34:12,500 --> 00:34:19,429

January 2010 so despite recent events

733

00:34:17,298 --> 00:34:21,699

the anti-vaccination movement continues

734

00:34:19,429 --> 00:34:24,378

to rally around their poster boy &

735

00:34:21,699 --> 00:34:28,428

Wakefield supporters have called the GMC

736

00:34:24,378 --> 00:34:30,699

findings unjust a smear campaign and a

737

00:34:28,429 --> 00:34:33,230

sad day for our children

738

00:34:30,699 --> 00:34:35,239

Generation Rescue which is a zealous

739

00:34:33,230 --> 00:34:37,900

anti-vaccination group in the US

740

00:34:35,239 --> 00:34:40,519

publicly represented by Jenny McCarthy

741

00:34:37,900 --> 00:34:44,630

issued a statement of support following

742
00:34:40,519 --> 00:34:46,789
the findings in January they said dr.

743
00:34:44,630 --> 00:34:49,849
Andrew Wakefield is perhaps this debate

744
00:34:46,789 --> 00:34:52,340
greatest hero he's a doctor who has held

745
00:34:49,849 --> 00:34:54,920
on to the truth unbowed through pressure

746
00:34:52,340 --> 00:34:56,900
that would break most mortals dr.

747
00:34:54,920 --> 00:34:59,059
Wakefield's influence in saving other

748
00:34:56,900 --> 00:35:02,119
children from the fate that befell so

749
00:34:59,059 --> 00:35:04,070
many children is incalculable more

750
00:35:02,119 --> 00:35:06,500
recently comments left on the age of

751
00:35:04,070 --> 00:35:09,170
autism website were supporting calls for

752
00:35:06,500 --> 00:35:11,210
Wakefield to be knighted so let's

753
00:35:09,170 --> 00:35:13,070
summarize the chain of events that led

754
00:35:11,210 --> 00:35:16,460
to Wakefield getting struck off on

755
00:35:13,070 --> 00:35:18,440
Tuesday Wakefield was getting paid by

756
00:35:16,460 --> 00:35:20,929
lawyers putting together a class-action

757
00:35:18,440 --> 00:35:23,539
suit against the manufacturers of MMR

758
00:35:20,929 --> 00:35:26,389
for two years prior to the publication

759
00:35:23,539 --> 00:35:28,400
of The Lancet paper at a press

760
00:35:26,389 --> 00:35:30,769
conference following the publication of

761
00:35:28,400 --> 00:35:33,619
the paper he called for parents to seek

762
00:35:30,769 --> 00:35:36,199
out a single vaccine for measles and he

763
00:35:33,619 --> 00:35:39,500
himself had a patent on his own single

764
00:35:36,199 --> 00:35:41,899
measles vaccine the pathology results in

765
00:35:39,500 --> 00:35:45,949
a Lancet paper cannot be verified and

766
00:35:41,900 --> 00:35:47,480
are suspected to be fabricated the PCR

767
00:35:45,949 --> 00:35:49,759
data was found to have come from

768
00:35:47,480 --> 00:35:53,150
contaminated samples and could not be

769
00:35:49,760 --> 00:35:55,160
independently confirmed and no conflicts

770

00:35:53,150 --> 00:35:58,160
of interest were declared when the paper

771
00:35:55,159 --> 00:36:00,079
was submitted Wakefield did not have

772
00:35:58,159 --> 00:36:02,779
ethics approval for the studies on

773
00:36:00,079 --> 00:36:06,319
children and the study was only small

774
00:36:02,780 --> 00:36:08,660
consisting of 12 children so for such a

775
00:36:06,320 --> 00:36:11,240
small study that did not even examine a

776
00:36:08,659 --> 00:36:13,639
vaccines autism link it is incredible to

777
00:36:11,239 --> 00:36:16,039
think that it had such a large impact on

778
00:36:13,639 --> 00:36:19,789
public health but of course the blame

779
00:36:16,039 --> 00:36:21,769
does not solely lie with Wakefield the

780
00:36:19,789 --> 00:36:24,259
media were highly complicit in spreading

781
00:36:21,769 --> 00:36:26,539
the fear about the MMR vaccine safety

782
00:36:24,260 --> 00:36:29,990
and the results of their misinformation

783
00:36:26,539 --> 00:36:32,570
was MMR vaccination rates fell to as low

784
00:36:29,989 --> 00:36:34,639

as 50 percent in some parts of London

785

00:36:32,570 --> 00:36:36,769

and although the anti-vaccination

786

00:36:34,639 --> 00:36:39,289

movement was well and truly active at

787

00:36:36,769 --> 00:36:41,509

this stage it must be acknowledged that

788

00:36:39,289 --> 00:36:43,550

this boosted their cause so it's

789

00:36:41,510 --> 00:36:46,190

incredible that even when this evidence

790

00:36:43,550 --> 00:36:49,670

all lined up people still continue to

791

00:36:46,190 --> 00:36:51,920

rally around angel Wakefield but he is

792

00:36:49,670 --> 00:36:54,860

certainly keeping some unusual company

793

00:36:51,920 --> 00:36:57,409

these days recently he sat down with the

794

00:36:54,860 --> 00:37:00,200

king of natural medicine Joseph Mercola

795

00:36:57,409 --> 00:37:03,230

for a series of five interviews for

796

00:37:00,199 --> 00:37:06,919

YouTube and a recent interview with Matt

797

00:37:03,230 --> 00:37:09,110

Lauer for USA Today was a very good

798

00:37:06,920 --> 00:37:11,030

example of how Wakefield now believes

799

00:37:09,110 --> 00:37:14,300

his own rhetoric and has completely

800

00:37:11,030 --> 00:37:16,610

jumped the shark the findings that we

801

00:37:14,300 --> 00:37:18,380

made originally have been replicated in

802

00:37:16,610 --> 00:37:19,700

five different countries of the world so

803

00:37:18,380 --> 00:37:22,099

the bowel disease in these children

804

00:37:19,699 --> 00:37:23,419

exists this is a little bump on the road

805

00:37:22,099 --> 00:37:25,279

and that's how it should be perceived

806

00:37:23,420 --> 00:37:26,780

it's a bump on a very bumpy road but

807

00:37:25,280 --> 00:37:28,580

it's a bumper what it does not detract

808

00:37:26,780 --> 00:37:30,500

from is the fact but there are millions

809

00:37:28,579 --> 00:37:33,259

of children out there suffering and the

810

00:37:30,500 --> 00:37:35,420

fact that vaccines can cause autism and

811

00:37:33,260 --> 00:37:37,280

I necessary mean is accepted you say by

812

00:37:35,420 --> 00:37:39,500

the American government because they've

813
00:37:37,280 --> 00:37:42,500
been settling cases of vaccine induced

814
00:37:39,500 --> 00:37:43,699
autism since 1991 you see you say to me

815
00:37:42,500 --> 00:37:46,610
that the the findings have been

816
00:37:43,699 --> 00:37:48,649
replicated i have seen studies several

817
00:37:46,610 --> 00:37:50,690
major studies your study involved 12

818
00:37:48,650 --> 00:37:53,630
children I've seen studies that involve

819
00:37:50,690 --> 00:37:57,769
hundreds of thousands of children that

820
00:37:53,630 --> 00:37:59,630
do not replicate your findings and so

821
00:37:57,769 --> 00:38:01,909
today will you sit across from me and

822
00:37:59,630 --> 00:38:03,800
tell me you still believe there is a

823
00:38:01,909 --> 00:38:07,369
possible link between that particular

824
00:38:03,800 --> 00:38:09,289
vaccine the MMR vaccine and autism and

825
00:38:07,369 --> 00:38:11,269
children no do I think it but the

826
00:38:09,289 --> 00:38:12,920
American government has conceded that it

827

00:38:11,269 --> 00:38:15,110
exists causal relationship between

828
00:38:12,920 --> 00:38:17,210
vaccines and autism exists and they've

829
00:38:15,110 --> 00:38:20,059
actually been secretly settling cases as

830
00:38:17,210 --> 00:38:22,159
early as 1991 out of court as well as

831
00:38:20,059 --> 00:38:23,539
you know we've talked to people since we

832
00:38:22,159 --> 00:38:24,829
had a chance to meet you and you were

833
00:38:23,539 --> 00:38:27,050
kind enough to sit down for that

834
00:38:24,829 --> 00:38:29,239
exclusive interview with you with us and

835
00:38:27,050 --> 00:38:32,420
and people in this in our government had

836
00:38:29,239 --> 00:38:33,679
said no no we no longer believe this we

837
00:38:32,420 --> 00:38:35,480
we went out and checked out the

838
00:38:33,679 --> 00:38:38,329
possibilities and we no longer believe

839
00:38:35,480 --> 00:38:40,579
this to be true and and every doctor

840
00:38:38,329 --> 00:38:42,380
I've spoken to says it's dangerous it's

841
00:38:40,579 --> 00:38:45,230

dangerous to even keep talking about it

842

00:38:42,380 --> 00:38:46,730

because for every time you talk about it

843

00:38:45,230 --> 00:38:48,619

parents stopped vaccinating their

844

00:38:46,730 --> 00:38:50,539

children and some children are dying

845

00:38:48,619 --> 00:38:51,650

from preventable illnesses not you're

846

00:38:50,539 --> 00:38:53,559

missing the point the point is that

847

00:38:51,650 --> 00:38:55,059

despite denying it in the pub

848

00:38:53,559 --> 00:38:56,829

relations campaign that they waged

849

00:38:55,059 --> 00:38:58,659

against me and against the parents they

850

00:38:56,829 --> 00:39:00,400

are conceding these cases in vaccine

851

00:38:58,659 --> 00:39:02,349

court what's your next step real quickly

852

00:39:00,400 --> 00:39:03,910

my next step is to continue this work to

853

00:39:02,349 --> 00:39:05,049

its natural conclusion these parents

854

00:39:03,909 --> 00:39:06,339

aren't going away the children aren't

855

00:39:05,050 --> 00:39:09,400

going away and I'm most certainly not

856
00:39:06,340 --> 00:39:11,500
going away so apparently Wakefield is

857
00:39:09,400 --> 00:39:13,840
not going away but I wonder what the

858
00:39:11,500 --> 00:39:16,050
future will hold for him he has recently

859
00:39:13,840 --> 00:39:18,340
written a book called callous disregard

860
00:39:16,050 --> 00:39:21,730
detailing his side of the events leading

861
00:39:18,340 --> 00:39:23,470
to him being struck off maybe he can

862
00:39:21,730 --> 00:39:25,150
write some more works of fiction at

863
00:39:23,469 --> 00:39:28,299
least he seems pretty good at making

864
00:39:25,150 --> 00:39:30,400
stuff up he also claimed at an

865
00:39:28,300 --> 00:39:32,680
anti-vaccination rally in Washington

866
00:39:30,400 --> 00:39:35,800
last week that he plans to set up a

867
00:39:32,679 --> 00:39:37,929
virtual university where he will design

868
00:39:35,800 --> 00:39:40,960
studies and recruit researchers to do

869
00:39:37,929 --> 00:39:43,119
the work as for this idea or no

870
00:39:40,960 --> 00:39:44,679
respectable journals or researchers are

871
00:39:43,119 --> 00:39:47,619
going to want to be in spitting distance

872
00:39:44,679 --> 00:39:49,359
of Andrew Wakefield although he does sit

873
00:39:47,619 --> 00:39:52,779
on the Editorial Board of Medical

874
00:39:49,360 --> 00:39:55,840
Veritas an anti-vaccination conspiracy

875
00:39:52,780 --> 00:39:57,910
theory laid in publication so perhaps

876
00:39:55,840 --> 00:40:00,550
we'll see his publications appearing

877
00:39:57,909 --> 00:40:03,190
here Wakefield's colleague professor

878
00:40:00,550 --> 00:40:05,350
Walker Smith a senior author on The

879
00:40:03,190 --> 00:40:08,889
Lancet study has also been struck off

880
00:40:05,349 --> 00:40:11,259
the UK medical register the other doctor

881
00:40:08,889 --> 00:40:12,849
under investigation professor Simon

882
00:40:11,260 --> 00:40:16,240
merch was found not guilty of

883
00:40:12,849 --> 00:40:18,460
professional misconduct Smith &

884

00:40:16,239 --> 00:40:20,319
Wakefield have 28 days to appeal this

885
00:40:18,460 --> 00:40:23,860
decision and Wakefield has indicated

886
00:40:20,320 --> 00:40:25,780
that he plans to do so if you'd like to

887
00:40:23,860 --> 00:40:28,450
read more about this story or leave a

888
00:40:25,780 --> 00:40:31,420
comment I've blogged it at skeptics book

889
00:40:28,449 --> 00:40:34,739
calm and until next time this has been

890
00:40:31,420 --> 00:40:34,740
dr. Rachel reports

891
00:40:40,670 --> 00:40:46,800
we take you now to a conversation being

892
00:40:43,260 --> 00:40:49,230
shattered across a hillside what I think

893
00:40:46,800 --> 00:40:52,470
I'm trying to come up with a brother for

894
00:40:49,230 --> 00:40:56,219
this podcast podcast the geologic

895
00:40:52,469 --> 00:40:58,589
podcast water geologic odka Oh Hobbs

896
00:40:56,219 --> 00:41:00,809
pointless meanderings skeptical

897
00:40:58,590 --> 00:41:03,210
observations ridiculous musical

898
00:41:00,809 --> 00:41:05,579

interludes and not the hint of geology

899

00:41:03,210 --> 00:41:07,980

all right maybe a little bit Georgy

900

00:41:05,579 --> 00:41:10,559

what's not worth it a convert he's got

901

00:41:07,980 --> 00:41:13,019

the religious bore out of the week she

902

00:41:10,559 --> 00:41:15,509

has a ba braids jay-z lyrics food was

903

00:41:13,019 --> 00:41:18,840

asked George who cares what a boss of

904

00:41:15,510 --> 00:41:20,940

theistic fun oh good horoscope gotta be

905

00:41:18,840 --> 00:41:23,519

shot in the Bible morning girls it's all

906

00:41:20,940 --> 00:41:25,559

the science stupid Audrey adventures of

907

00:41:23,519 --> 00:41:27,389

the Philadelphia funk authority what

908

00:41:25,559 --> 00:41:29,460

Ukrainian boy playing drums the funk

909

00:41:27,389 --> 00:41:32,159

band must be fascinating o malli' back

910

00:41:29,460 --> 00:41:36,030

is appealing even a we beat grace that

911

00:41:32,159 --> 00:41:39,889

came in then oh my god guys good try

912

00:41:36,030 --> 00:41:39,890

great great you said that already

913
00:41:41,268 --> 00:41:48,919
the geologic podcast pointless but free

914
00:41:49,099 --> 00:41:52,519
children podcast

915
00:42:01,900 --> 00:42:07,400
well thank you for listening to this

916
00:42:04,278 --> 00:42:10,068
week's skeptic zone on next week's show

917
00:42:07,400 --> 00:42:12,318
the think tank returns and we might have

918
00:42:10,068 --> 00:42:16,038
some very special guests coming up soon

919
00:42:12,318 --> 00:42:18,889
so stay tuned for that also don't forget

920
00:42:16,039 --> 00:42:22,519
that tickets for Tam London go on sale

921
00:42:18,889 --> 00:42:23,989
on Saturday May the 29th and I've just

922
00:42:22,518 --> 00:42:26,838
found out that I'm going to be at a

923
00:42:23,989 --> 00:42:29,778
conference in Wyoming two days before

924
00:42:26,838 --> 00:42:31,670
Tom London starts so I'm hoping I might

925
00:42:29,778 --> 00:42:34,969
be able to jump on a plane and make it

926
00:42:31,670 --> 00:42:37,039
all the way to Tam London now don't

927
00:42:34,969 --> 00:42:39,139
forget listeners that several members of

928
00:42:37,039 --> 00:42:42,189
the skeptic zone are going to be at tam

929
00:42:39,139 --> 00:42:45,558
8 in Las Vegas and that includes myself

930
00:42:42,188 --> 00:42:48,139
Joe Benna move Richard Saunders and Iran

931
00:42:45,559 --> 00:42:52,009
to give so look out for us in Las Vegas

932
00:42:48,139 --> 00:42:54,108
and finally Tom Australia is still

933
00:42:52,009 --> 00:42:56,869
coming up in november this year and

934
00:42:54,108 --> 00:42:59,659
tickets are going on sale very very soon

935
00:42:56,869 --> 00:43:01,880
so keep your eye on skeptics Comte you

936
00:42:59,659 --> 00:43:08,528
or if you're on twitter you can follow

937
00:43:01,880 --> 00:43:11,059
at aust skeptics that's a ust sk EPT ICS

938
00:43:08,528 --> 00:43:13,849
so that's all from me for this week's

939
00:43:11,059 --> 00:43:16,150
skeptic zone and Richard we hope you get

940
00:43:13,849 --> 00:43:16,150
better soon

941

00:43:17,659 --> 00:43:23,690
you've been listening to the skeptic

942
00:43:19,699 --> 00:43:27,469
zone visit our website at www.skeptics

943
00:43:23,690 --> 00:43:30,429
on TV for comments contacts and extra

944
00:43:27,469 --> 00:43:30,429
video reports

945
00:43:30,699 --> 00:43:33,699
skin

946
00:43:41,599 --> 00:43:43,630
Oh

947
00:43:48,760 --> 00:43:50,820
you