

1
00:00:00,000 --> 00:00:09,119
[Music]

2
00:00:05,969 --> 00:00:11,839
welcome to the skeptic zone the podcast

3
00:00:09,119 --> 00:00:13,919
from Australia for science and reason

4
00:00:11,839 --> 00:00:16,850
[Music]

5
00:00:13,919 --> 00:00:22,280
[Applause]

6
00:00:16,850 --> 00:00:24,840
[Music]

7
00:00:22,280 --> 00:00:29,089
yes it's the skeptic zone podcast

8
00:00:24,839 --> 00:00:32,099
episode number 456 for the 16th of July

9
00:00:29,089 --> 00:00:34,229
2017 richardsaunders here with you from

10
00:00:32,098 --> 00:00:36,808
a beautifully cold and crisp and

11
00:00:34,229 --> 00:00:39,479
delightful Sydney Australia I do like

12
00:00:36,808 --> 00:00:42,570
this time of year and I do like the the

13
00:00:39,479 --> 00:00:44,519
wintry days in fact it's very cold

14
00:00:42,570 --> 00:00:46,289
across Australia and down in the self I

15
00:00:44,520 --> 00:00:49,530
noticed they're having quite a cold snap

16
00:00:46,289 --> 00:00:51,509
with record-breaking cold temperatures I

17
00:00:49,530 --> 00:00:54,810
think I'll have to have a skeptic zone

18
00:00:51,509 --> 00:00:56,609
expedition down there too to investigate

19
00:00:54,810 --> 00:00:58,560
but what's coming up on this week's

20
00:00:56,609 --> 00:01:01,049
episode we have a few short reports

21
00:00:58,560 --> 00:01:02,400
short interviews from Nexus the North

22
00:01:01,049 --> 00:01:03,988
East Conference of science and

23
00:01:02,399 --> 00:01:06,478
skepticism a couple of weeks ago in New

24
00:01:03,988 --> 00:01:09,030
York I catch up with Sharon from

25
00:01:06,478 --> 00:01:13,228
guerrilla skepticism on Wikipedia and

26
00:01:09,030 --> 00:01:15,030
also I chat to dr. Harriet Hall now

27
00:01:13,228 --> 00:01:17,459
Harriet gave such an interesting talk at

28
00:01:15,030 --> 00:01:19,728
the convention and during her talk she

29

00:01:17,459 --> 00:01:22,649
mentioned a book called nibbling on

30
00:01:19,728 --> 00:01:26,429
Einstein's brain the good the bad and

31
00:01:22,649 --> 00:01:26,909
the bogus in science by Diane Swanson

32
00:01:26,430 --> 00:01:30,390
and

33
00:01:26,909 --> 00:01:33,750
I have a copy of the book right here

34
00:01:30,390 --> 00:01:36,239
because as soon as she recommended it

35
00:01:33,750 --> 00:01:40,530
during her talk I went online and I

36
00:01:36,239 --> 00:01:43,469
bought myself a copy and I think next

37
00:01:40,530 --> 00:01:44,728
week's episode we'll have a review just

38
00:01:43,469 --> 00:01:48,298
flipping through it now it looks really

39
00:01:44,728 --> 00:01:52,408
good it's all about critical thinking

40
00:01:48,299 --> 00:01:55,110
and science for children fantastic thank

41
00:01:52,409 --> 00:01:58,260
you dr. hall for recommending that book

42
00:01:55,109 --> 00:02:00,868
anyway a chat with Sharon from guerrilla

43
00:01:58,260 --> 00:02:02,609

skepticism on Wikipedia and Harriet hall

44

00:02:00,868 --> 00:02:05,040
coming up at the top of the show

45

00:02:02,609 --> 00:02:08,969
following that it's brouhaha science

46

00:02:05,040 --> 00:02:12,269
this week AI artificial intelligence in

47

00:02:08,969 --> 00:02:14,669
the home possibly saving lives a very

48

00:02:12,269 --> 00:02:17,700
interesting and slightly spooky but

49

00:02:14,669 --> 00:02:19,679
slightly good report then it's dr.

50

00:02:17,699 --> 00:02:22,560
Ritchie reports with the dr. Rachel

51

00:02:19,680 --> 00:02:26,599
Dunlop this week dr. Ratey interviews

52

00:02:22,560 --> 00:02:31,289
Craig Egan about his activities

53

00:02:26,599 --> 00:02:33,539
following the VAX bus the vac bus this

54

00:02:31,289 --> 00:02:34,539
is the facts this is this pseudo

55

00:02:33,539 --> 00:02:37,179
documentary

56

00:02:34,539 --> 00:02:41,858
together by andrew wakefield and a bunch

57

00:02:37,180 --> 00:02:45,218
of by andrew wakefield and his friends

58
00:02:41,859 --> 00:02:49,689
and craig apparently is following the

59
00:02:45,218 --> 00:02:51,639
vexed bus around the united states to to

60
00:02:49,688 --> 00:02:54,688
put his point of view to refute some of

61
00:02:51,639 --> 00:02:58,139
the information coming out about that

62
00:02:54,688 --> 00:03:01,078
documentary I think you'll find Craig's

63
00:02:58,139 --> 00:03:05,199
enthusiasm when he chats to dr. Richie

64
00:03:01,079 --> 00:03:07,569
infectious if I may use that term anyway

65
00:03:05,199 --> 00:03:10,268
dr. Reggie reports coming up a bit later

66
00:03:07,568 --> 00:03:11,858
on in the show after that a report from

67
00:03:10,269 --> 00:03:14,370
the Australian skeptics about the

68
00:03:11,859 --> 00:03:18,340
therapeutics Goods Administration

69
00:03:14,370 --> 00:03:21,430
publishing a draft list of permitted

70
00:03:18,340 --> 00:03:23,378
indications for listed complementary

71
00:03:21,430 --> 00:03:24,879
medicines now some of the terms that

72
00:03:23,378 --> 00:03:28,358
they're throwing about include things

73
00:03:24,878 --> 00:03:31,539
like yin and yang and gives you some

74
00:03:28,359 --> 00:03:34,569
idea what can we expect from the

75
00:03:31,539 --> 00:03:36,459
government hopefully none anyway that

76
00:03:34,568 --> 00:03:39,399
report coming up a little bit later on

77
00:03:36,459 --> 00:03:41,079
in the show then to round off the show

78
00:03:39,400 --> 00:03:43,719
it's guest reporter Kevin Davies

79
00:03:41,079 --> 00:03:47,620
interviewing professor John Carver from

80
00:03:43,719 --> 00:03:49,568
the research school of chemistry at the

81
00:03:47,620 --> 00:03:51,669
Australian National University and

82
00:03:49,568 --> 00:03:54,458
professor Carver is going to be telling

83
00:03:51,669 --> 00:03:56,889
Kevin about the misconceptions when it

84
00:03:54,459 --> 00:03:59,919
comes to chemicals chemicals are

85
00:03:56,889 --> 00:04:02,049
everywhere is anything really chemical

86

00:03:59,919 --> 00:04:04,870
free find out when Kevin Davies

87
00:04:02,049 --> 00:04:06,430
interviews professor John Carver and a

88
00:04:04,870 --> 00:04:09,370
big THANK YOU to Kevin Davies who

89
00:04:06,430 --> 00:04:11,859
occasionally does some guest reporting

90
00:04:09,370 --> 00:04:13,449
much appreciated well that's enough for

91
00:04:11,859 --> 00:04:17,049
me at the moment I'm gonna run

92
00:04:13,449 --> 00:04:20,370
downstairs have another glass of hot

93
00:04:17,048 --> 00:04:22,658
water it's an empty glass hot water and

94
00:04:20,370 --> 00:04:24,728
ginger because my throat's still a

95
00:04:22,658 --> 00:04:27,668
little bit mmm

96
00:04:24,728 --> 00:04:30,339
dry I'm not sure what's going on when I

97
00:04:27,668 --> 00:04:32,529
fly across the Pacific from California

98
00:04:30,339 --> 00:04:34,719
back home well when I fly anywhere

99
00:04:32,529 --> 00:04:36,489
really long flights tend to dry out the

100
00:04:34,720 --> 00:04:39,610

throat done really back I'm nearly back

101

00:04:36,490 --> 00:04:43,658

to her together to normal if I ever

102

00:04:39,610 --> 00:04:45,400

really was I'm gonna run downstairs have

103

00:04:43,658 --> 00:04:48,490

some more hot water and ginger to serve

104

00:04:45,399 --> 00:04:50,629

the sore throat and all I'm doing that I

105

00:04:48,490 --> 00:05:10,319

you enjoy the skeptic zone

106

00:04:50,629 --> 00:05:12,519

[Music]

107

00:05:10,319 --> 00:05:14,829

it's the first day well they're really

108

00:05:12,519 --> 00:05:18,629

it's the second day of Northeast

109

00:05:14,829 --> 00:05:20,500

Conference of science and skepticism I

110

00:05:18,629 --> 00:05:21,850

don't know what's going on in the other

111

00:05:20,500 --> 00:05:23,379

room we'll find out soon

112

00:05:21,850 --> 00:05:25,510

I'm with Sharon from guerrilla

113

00:05:23,379 --> 00:05:27,759

skepticism hello hello

114

00:05:25,509 --> 00:05:30,310

it's the voice you know folks from the

115
00:05:27,759 --> 00:05:32,849
it never ends you've heard me on the

116
00:05:30,310 --> 00:05:36,490
podcast before I do the promo

117
00:05:32,850 --> 00:05:38,980
so what's it what's it like being part

118
00:05:36,490 --> 00:05:40,540
of the guerrilla skepticism outfit well

119
00:05:38,980 --> 00:05:43,509
Susan definitely keeps us on our toes

120
00:05:40,540 --> 00:05:45,160
all the time she's always telling me

121
00:05:43,509 --> 00:05:50,409
that I need to get in there and keep

122
00:05:45,160 --> 00:05:51,580
working on my edits so yes and you get

123
00:05:50,410 --> 00:05:53,620
feel like you're doing a lot of good

124
00:05:51,579 --> 00:05:56,069
this is a side of Susan I didn't know

125
00:05:53,620 --> 00:06:00,189
about she's a bit of a hard taskmaster

126
00:05:56,069 --> 00:06:03,029
she does keep on us definitely so she

127
00:06:00,189 --> 00:06:06,279
should because but it's it's an amazing

128
00:06:03,029 --> 00:06:08,229
outfit and the work is never-ending huh

129
00:06:06,279 --> 00:06:10,059
oh yeah that's absolutely true I mean

130
00:06:08,230 --> 00:06:12,040
there's so many new things to write

131
00:06:10,060 --> 00:06:14,620
about and then always keeping track of

132
00:06:12,040 --> 00:06:17,230
what you know is being edited on your

133
00:06:14,620 --> 00:06:19,420
websites or your Wikipedia pages that

134
00:06:17,230 --> 00:06:22,810
you know you want to make sure that the

135
00:06:19,420 --> 00:06:24,730
the truth is out there so I guess we

136
00:06:22,810 --> 00:06:26,139
should give a shout out to Susan who I'm

137
00:06:24,730 --> 00:06:28,240
sure would have loved to have been here

138
00:06:26,139 --> 00:06:29,889
oh I know she would yeah she was

139
00:06:28,240 --> 00:06:31,660
constantly saying how much he was like

140
00:06:29,889 --> 00:06:33,279
disappointed that she wasn't going to be

141
00:06:31,660 --> 00:06:37,000
here as well but we'll see her at

142
00:06:33,279 --> 00:06:38,409
saikhan oh I would like to go to saikhan

143

00:06:37,000 --> 00:06:39,970
but I don't think I can make that one

144
00:06:38,410 --> 00:06:43,720
unfortunately but I'm glad she will be

145
00:06:39,970 --> 00:06:44,350
and you too yes I will and that's in Las

146
00:06:43,720 --> 00:06:47,110
Vegas

147
00:06:44,350 --> 00:06:48,879
yeah yeah and I do miss going to Las

148
00:06:47,110 --> 00:06:51,100
Vegas because because the amazing

149
00:06:48,879 --> 00:06:53,079
meeting is no longer happening well this

150
00:06:51,100 --> 00:06:54,730
is taking its place

151
00:06:53,079 --> 00:06:56,919
I wouldn't yes taking its place to

152
00:06:54,730 --> 00:06:59,430
substitute know this sort of it's it's

153
00:06:56,920 --> 00:07:02,730
the next best writer

154
00:06:59,430 --> 00:07:04,740
yeah I never made it to any Tam so I I

155
00:07:02,730 --> 00:07:06,330
don't know how to compare it but it

156
00:07:04,740 --> 00:07:07,829
looks the program looks like it's gonna

157
00:07:06,329 --> 00:07:10,319

be really interesting that does and the

158

00:07:07,829 --> 00:07:14,969

program for this event we're actually

159

00:07:10,319 --> 00:07:16,680

we're in the the emergency a alternative

160

00:07:14,970 --> 00:07:18,360

room because there was a bit of a fire

161

00:07:16,680 --> 00:07:22,139

situation where we were supposed to meet

162

00:07:18,360 --> 00:07:23,759

with Nexus so we're in the Pennsylvania

163

00:07:22,139 --> 00:07:27,089

hotel office at Madison Square Garden

164

00:07:23,759 --> 00:07:28,980

and let's why don't we walk through here

165

00:07:27,089 --> 00:07:35,329

we just passed the registration area and

166

00:07:28,980 --> 00:07:38,220

we're walking into the auditorium now my

167

00:07:35,329 --> 00:07:41,789

goodness and me this is a surprise this

168

00:07:38,220 --> 00:07:43,170

is I will have to get a little trolley

169

00:07:41,790 --> 00:07:45,840

to get down to the other end I think

170

00:07:43,170 --> 00:07:49,319

this is huge this is much bigger than I

171

00:07:45,839 --> 00:07:51,179

anticipated so and the crowd are

172
00:07:49,319 --> 00:07:54,629
beginning to take their seats down the

173
00:07:51,180 --> 00:07:56,720
far end right near the stage and if we

174
00:07:54,629 --> 00:07:59,209
keep walking long enough we'll reach

175
00:07:56,720 --> 00:08:01,920
we'll get to the front eventually and

176
00:07:59,209 --> 00:08:04,109
they've got big screen setup and cameras

177
00:08:01,920 --> 00:08:07,230
so people all the way back let me have a

178
00:08:04,110 --> 00:08:10,139
look down here way back to the back of

179
00:08:07,230 --> 00:08:14,160
the room so everybody will be off to get

180
00:08:10,139 --> 00:08:16,169
a good view of the of what's going on so

181
00:08:14,160 --> 00:08:19,610
I think they did very well to get this I

182
00:08:16,170 --> 00:08:23,819
think they did very well well we should

183
00:08:19,610 --> 00:08:26,340
prepare for the next few days of music

184
00:08:23,819 --> 00:08:29,519
apparently

185
00:08:26,339 --> 00:08:29,519
[Music]

186
00:08:30,449 --> 00:08:35,009
or the crowd gathering behind us I'm

187
00:08:33,029 --> 00:08:37,679
here at the the front of the auditorium

188
00:08:35,009 --> 00:08:42,240
with dr. Harriet hall hello Harry hello

189
00:08:37,679 --> 00:08:44,099
Richard impromptu interview this is it's

190
00:08:42,240 --> 00:08:47,269
an impromptu interview impromptu

191
00:08:44,100 --> 00:08:51,180
intervention I just wanted to say that

192
00:08:47,269 --> 00:08:52,949
what how how grateful I am that you did

193
00:08:51,179 --> 00:08:54,989
that series of videos since we advertise

194
00:08:52,950 --> 00:08:57,240
frequently on the skeptic zone science

195
00:08:54,990 --> 00:08:59,789
based medicine and I'm sure my listen is

196
00:08:57,240 --> 00:09:03,690
a very familiar with this series by now

197
00:08:59,789 --> 00:09:06,299
and there was what two years one year

198
00:09:03,690 --> 00:09:08,190
when how long have did you do those I

199
00:09:06,299 --> 00:09:10,740
lose track which I must have been two

200

00:09:08,190 --> 00:09:12,870
years ago sounds about right to me and

201
00:09:10,740 --> 00:09:14,460
in that in that time since it's been

202
00:09:12,870 --> 00:09:16,560
online what has been the general

203
00:09:14,460 --> 00:09:18,420
reaction well I've gotten all kinds of

204
00:09:16,559 --> 00:09:20,699
wonderful feedbacks from several

205
00:09:18,419 --> 00:09:22,949
different countries around the world and

206
00:09:20,700 --> 00:09:25,110
one from a lady in Denmark who said her

207
00:09:22,950 --> 00:09:26,790
autistic daughter had watched it and was

208
00:09:25,110 --> 00:09:28,230
really impressed she says that lady

209
00:09:26,789 --> 00:09:31,019
really says it like it is

210
00:09:28,230 --> 00:09:33,029
well I must I must say that she's right

211
00:09:31,019 --> 00:09:35,429
and it's one of the delights of your

212
00:09:33,029 --> 00:09:38,750
video series is you call it as it is

213
00:09:35,429 --> 00:09:42,319
which is quite quite charming in a way

214
00:09:38,750 --> 00:09:45,330

but you must you must have had some

215

00:09:42,320 --> 00:09:49,020
surprising shall we say negative

216

00:09:45,330 --> 00:09:51,780
feedback too not so much of the video

217

00:09:49,019 --> 00:09:53,879
series I get a lot of negative emails on

218

00:09:51,779 --> 00:09:57,839
these articles that I write for science

219

00:09:53,879 --> 00:10:00,000
based medicine but sometimes the

220

00:09:57,840 --> 00:10:02,250
feedback I get it's really pretty

221

00:10:00,000 --> 00:10:03,929
meaningless they say things like you

222

00:10:02,250 --> 00:10:05,759
don't know what you're talking about you

223

00:10:03,929 --> 00:10:08,250
should stop saying those things I mean

224

00:10:05,759 --> 00:10:08,789
Everwood how do you respond to something

225

00:10:08,250 --> 00:10:12,330
like that

226

00:10:08,789 --> 00:10:14,669
yeah well anyway again thank you for

227

00:10:12,330 --> 00:10:19,050
doing that video series I think it's a

228

00:10:14,669 --> 00:10:21,029
wonderful overview of not only things

229
00:10:19,049 --> 00:10:23,129
like homeopathy and energy medicine and

230
00:10:21,029 --> 00:10:24,689
chiropractic which you talked about but

231
00:10:23,129 --> 00:10:26,939
the general principles of science-based

232
00:10:24,690 --> 00:10:29,520
medicine I can't recommend it highly

233
00:10:26,940 --> 00:10:32,130
enough well thank you very much I tried

234
00:10:29,519 --> 00:10:33,659
to distill into that presentation all of

235
00:10:32,129 --> 00:10:35,730
what I've learned since I've been

236
00:10:33,659 --> 00:10:37,889
working with science-based medicine I

237
00:10:35,730 --> 00:10:41,710
have learned a lot believe me

238
00:10:37,889 --> 00:10:47,278
I believe it okay thank you Richard

239
00:10:41,710 --> 00:10:47,278
[Music]

240
00:10:53,419 --> 00:11:00,539
dr. Harriet Hall MD no into thousands as

241
00:10:57,509 --> 00:11:03,659
the skeptic a retired family physician

242
00:11:00,539 --> 00:11:05,730
and former Air Force flight surgeon she

243

00:11:03,659 --> 00:11:07,429

writes about medicine so-called

244

00:11:05,730 --> 00:11:11,300

complementary and alternative medicine

245

00:11:07,429 --> 00:11:14,399

science quackery and critical thinking

246

00:11:11,299 --> 00:11:16,649

Harriet now has a free course a series

247

00:11:14,399 --> 00:11:20,009

of 10 video lectures on science-based

248

00:11:16,649 --> 00:11:22,019

medicine and alternative medicine the

249

00:11:20,009 --> 00:11:24,149

videos and an accompanying course guide

250

00:11:22,019 --> 00:11:28,110

can be found by following the link at

251

00:11:24,149 --> 00:11:30,620

skeptic dot info or by visiting web

252

00:11:28,110 --> 00:11:35,909

Randi's org slash

253

00:11:30,620 --> 00:11:38,340

educational - modules dot html' topics

254

00:11:35,909 --> 00:11:40,980

covered in the series are science-based

255

00:11:38,340 --> 00:11:44,600

medicine vs. evidence-based medicine

256

00:11:40,980 --> 00:11:47,879

what is Kam chiropractic acupuncture

257

00:11:44,600 --> 00:11:50,670
homeopathy naturopathy and herbal

258
00:11:47,879 --> 00:11:53,399
medicine energy medicine miscellaneous

259
00:11:50,669 --> 00:11:56,370
alternatives pitfalls in research and

260
00:11:53,399 --> 00:12:00,149
science based medicine in the media and

261
00:11:56,370 --> 00:12:02,730
politics Harriette covers each topic in

262
00:12:00,149 --> 00:12:06,000
a matter-of-fact no-nonsense way that

263
00:12:02,730 --> 00:12:07,620
shorter educate and entertain skeptic

264
00:12:06,000 --> 00:12:22,419
dot info

265
00:12:07,620 --> 00:12:26,060
[Music]

266
00:12:22,419 --> 00:12:28,939
and now direct from the cafe and

267
00:12:26,059 --> 00:12:31,699
Australia's Science Channel its brouhaha

268
00:12:28,940 --> 00:12:37,660
science in less time that it takes to

269
00:12:31,700 --> 00:12:37,660
order a coffee with such je as Shefali a

270
00:12:38,710 --> 00:12:43,100
heartbreaking situation was avoided with

271
00:12:41,240 --> 00:12:45,440

the help of technology recently in the

272

00:12:43,100 --> 00:12:47,210
United States an artificially

273

00:12:45,440 --> 00:12:49,010
intelligent device was accidentally

274

00:12:47,210 --> 00:12:51,620
prompted to call law enforcement during

275

00:12:49,009 --> 00:12:53,960
a domestic violence incident when the

276

00:12:51,620 --> 00:12:55,730
phone call connected emergency services

277

00:12:53,960 --> 00:12:58,370
could hear the conflict and sent police

278

00:12:55,730 --> 00:13:00,860
officers when they arrived they stepped

279

00:12:58,370 --> 00:13:03,610
in broke up the struggle and potentially

280

00:13:00,860 --> 00:13:06,230
saved the life of a woman and a child

281

00:13:03,610 --> 00:13:08,360
the device that saved the day wasn't

282

00:13:06,230 --> 00:13:11,180
designed to do so but we're so glad it

283

00:13:08,360 --> 00:13:14,240
did technology continues to improve our

284

00:13:11,179 --> 00:13:15,769
lives in ways we didn't expect domestic

285

00:13:14,240 --> 00:13:18,440
violence is where AI could make a

286

00:13:15,769 --> 00:13:20,360

dramatic impact far too often

287

00:13:18,440 --> 00:13:22,490

victims of domestic violence don't or

288

00:13:20,360 --> 00:13:25,340

aren't able to report their abuse or

289

00:13:22,490 --> 00:13:26,960

their abuses and when they do find a way

290

00:13:25,340 --> 00:13:30,139

to tell someone their reports are

291

00:13:26,960 --> 00:13:32,000

treated with suspicion an artificially

292

00:13:30,139 --> 00:13:34,789

intelligent system can turn shades of

293

00:13:32,000 --> 00:13:36,740

grey into black and white hey I won't

294

00:13:34,789 --> 00:13:39,019

give anyone a second chance or the

295

00:13:36,740 --> 00:13:40,700

benefit of the doubt and a hard drive

296

00:13:39,019 --> 00:13:44,409

will remember exactly what happened

297

00:13:40,700 --> 00:13:44,410

every single time to hospital

298

00:13:45,009 --> 00:13:51,189

for more brouhaha and australian science

299

00:13:48,379 --> 00:13:51,189

visit www.surgicalscience.com

300
00:13:59,409 --> 00:14:02,678
[Music]

301
00:14:08,860 --> 00:14:14,860
hey Richard oh hi Trisha

302
00:14:12,120 --> 00:14:16,509
Wow would you like a coffee yeah thanks

303
00:14:14,860 --> 00:14:18,460
what you're working on I'm trying to

304
00:14:16,509 --> 00:14:21,309
come up with a new promo to play on the

305
00:14:18,460 --> 00:14:23,200
sceptic zone who's it for the good

306
00:14:21,309 --> 00:14:25,509
thinking Society in the UK you know

307
00:14:23,200 --> 00:14:27,460
Michael Marshall Simon Singh Laura

308
00:14:25,509 --> 00:14:29,080
Thomas into that Club oh yeah I know

309
00:14:27,460 --> 00:14:31,560
them they've been doing some great work

310
00:14:29,080 --> 00:14:34,270
investigating the veterinary homeopathy

311
00:14:31,559 --> 00:14:36,759
veterinary homeopathy what you sugarpill

312
00:14:34,269 --> 00:14:37,720
this for cows I know right and also

313
00:14:36,759 --> 00:14:39,990
they're looking at some of the dodgy

314

00:14:37,720 --> 00:14:42,370
medical advice given by UK chiropractors

315
00:14:39,990 --> 00:14:45,399
really ok look but I'll mention all that

316
00:14:42,370 --> 00:14:50,049
in the promo now their website is good

317
00:14:45,399 --> 00:14:51,759
thinking society and they've recently

318
00:14:50,049 --> 00:14:54,250
been reporting on the resurgence of

319
00:14:51,759 --> 00:14:54,970
faith healer peter Popoff you know right

320
00:14:54,250 --> 00:14:56,350
ok look

321
00:14:54,970 --> 00:15:06,100
thanks to that it gives me something

322
00:14:56,350 --> 00:15:11,399
good to think about now it's time for

323
00:15:06,100 --> 00:15:11,399
dr. Ratey reports with dr. Rachel Dunlop

324
00:15:11,799 --> 00:15:17,498
hello listeners and welcome to dr. Ratey

325
00:15:14,708 --> 00:15:19,988
reports well this week I speak to Craig

326
00:15:17,499 --> 00:15:22,360
Egan who is a pro back scene activist

327
00:15:19,989 --> 00:15:25,059
who has been following the faxed bus

328
00:15:22,360 --> 00:15:27,039

around America simply doing some

329

00:15:25,058 --> 00:15:29,558

protesting by holding up a sign and just

330

00:15:27,039 --> 00:15:31,629

sort of being there to remind them that

331

00:15:29,558 --> 00:15:33,249

they might be misinformed in the

332

00:15:31,629 --> 00:15:35,589

information that they're spreading

333

00:15:33,249 --> 00:15:37,959

around the country and we met up in

334

00:15:35,589 --> 00:15:40,480

Jackson Wyoming when he was halfway

335

00:15:37,958 --> 00:15:45,219

through his tour to talk about what was

336

00:15:40,480 --> 00:15:48,879

happening and here he is Craig Egan so

337

00:15:45,220 --> 00:15:52,019

I'm sitting in the lab here in Jackson

338

00:15:48,879 --> 00:15:54,308

Wyoming with the wonderful and amazing

339

00:15:52,019 --> 00:15:57,539

SuperDuper farmer she'll crank egan

340

00:15:54,308 --> 00:16:00,999

hello Craig welcome to the skeptic zone

341

00:15:57,539 --> 00:16:02,198

this is incredible right so I didn't

342

00:16:00,999 --> 00:16:04,600

really know much about what you've been

343
00:16:02,198 --> 00:16:07,238
doing but you are following the vexed

344
00:16:04,600 --> 00:16:10,149
bus around America yeah it's holding

345
00:16:07,239 --> 00:16:12,069
them to account I guess and I really

346
00:16:10,149 --> 00:16:13,869
only found out about this last night and

347
00:16:12,068 --> 00:16:15,789
you happen to be in Idaho Falls which is

348
00:16:13,869 --> 00:16:17,678
90 minutes away so you've come to town

349
00:16:15,789 --> 00:16:19,629
we're gonna go out and have some dinner

350
00:16:17,678 --> 00:16:22,448
and you can tell me all about what's

351
00:16:19,629 --> 00:16:25,389
been happening on the backs bus tour so

352
00:16:22,448 --> 00:16:28,328
tell me how this actually started it

353
00:16:25,389 --> 00:16:33,278
started like most of my grand adventures

354
00:16:28,328 --> 00:16:36,008
as a joke I've been arguing with

355
00:16:33,278 --> 00:16:36,458
anti-vaxxers on Facebook for about five

356
00:16:36,009 --> 00:16:38,798
years

357
00:16:36,458 --> 00:16:40,388
yeah and I knew the backs bus was going

358
00:16:38,798 --> 00:16:42,789
around the country and I knew what their

359
00:16:40,389 --> 00:16:44,379
mission was but they were coming through

360
00:16:42,789 --> 00:16:47,318
my town where I live in Tacoma

361
00:16:44,379 --> 00:16:49,720
Washington and setting up camp Lane

362
00:16:47,318 --> 00:16:51,068
literally like six blocks away so there

363
00:16:49,720 --> 00:16:52,509
was something I just couldn't ignore you

364
00:16:51,068 --> 00:16:56,918
know they're gonna be that close to my

365
00:16:52,509 --> 00:17:00,579
house yeah so I got myself a sign you

366
00:16:56,918 --> 00:17:03,159
know pen on poster board sign and went

367
00:17:00,578 --> 00:17:05,318
down to protest them maybe have some

368
00:17:03,159 --> 00:17:07,298
conversations which I did but the first

369
00:17:05,318 --> 00:17:11,048
conversation I really had was with a

370
00:17:07,298 --> 00:17:14,230
news reporter for the television news

371

00:17:11,048 --> 00:17:16,298
and so I was like well that was easy a

372
00:17:14,230 --> 00:17:18,970
kid hugging TV and you know get my voice

373
00:17:16,298 --> 00:17:20,888
heard a little bit at least and so I

374
00:17:18,970 --> 00:17:21,939
went home and I look at the rest of the

375
00:17:20,888 --> 00:17:23,438
schedule to see they were going to

376
00:17:21,939 --> 00:17:25,240
because they're going to Seattle which

377
00:17:23,439 --> 00:17:27,370
was also very close and then some

378
00:17:25,240 --> 00:17:29,019
their towns in Washington and I just

379
00:17:27,369 --> 00:17:30,159
kind of offhand made the joke what if I

380
00:17:29,019 --> 00:17:34,808
followed him around like they were the

381
00:17:30,160 --> 00:17:36,759
Grateful Dead leave it out my little

382
00:17:34,808 --> 00:17:39,970
tent right next to them every time they

383
00:17:36,759 --> 00:17:41,259
I did it and one thing led to another

384
00:17:39,970 --> 00:17:44,049
some people were like hey I would

385
00:17:41,259 --> 00:17:45,279

totally chip in for that and so I was

386

00:17:44,049 --> 00:17:47,558

like okay if people are demanding it

387

00:17:45,279 --> 00:17:49,720

I'll put up a GoFundMe and the GoFundMe

388

00:17:47,558 --> 00:17:51,509

got like seven thousand dollars in three

389

00:17:49,720 --> 00:17:55,089

days

390

00:17:51,509 --> 00:17:56,410

yeah right yeah and and humbling cuz

391

00:17:55,089 --> 00:17:59,709

they're definitely go fund me is out

392

00:17:56,410 --> 00:18:01,540

there better way more deserve but I'm

393

00:17:59,710 --> 00:18:03,460

I'm trying to make the most of it I'm

394

00:18:01,539 --> 00:18:07,450

trying to gather so we're going I've

395

00:18:03,460 --> 00:18:08,710

been to Montana Idaho many stops in

396

00:18:07,450 --> 00:18:11,620

Washington we're going to be going to

397

00:18:08,710 --> 00:18:15,730

Kansas and Missouri and Minneapolis and

398

00:18:11,619 --> 00:18:17,109

Des Moines really all over so so what's

399

00:18:15,730 --> 00:18:18,700

the reaction being like from the

400
00:18:17,109 --> 00:18:22,178
anti-vaxxers because you were already

401
00:18:18,700 --> 00:18:24,519
known to them right oh yes many of them

402
00:18:22,179 --> 00:18:27,759
yes so tell us who is on this vexed bus

403
00:18:24,519 --> 00:18:31,779
- at first so every stop you've got

404
00:18:27,759 --> 00:18:34,900
Suzanne Humphreys you've got Paulie

405
00:18:31,779 --> 00:18:36,879
Tommy who produces the movie and then on

406
00:18:34,900 --> 00:18:38,769
select occasions Andrew Wakefield

407
00:18:36,880 --> 00:18:40,300
himself will show up and do it on a yeah

408
00:18:38,769 --> 00:18:41,589
so I actually sat in a room with Andrew

409
00:18:40,299 --> 00:18:45,428
Wakefield and Washington answer

410
00:18:41,589 --> 00:18:46,750
questions Wow and it's the weirdest

411
00:18:45,429 --> 00:18:48,460
feeling it's like the opposite of

412
00:18:46,750 --> 00:18:50,230
starstruck you know what I mean it's

413
00:18:48,460 --> 00:18:52,600
like these people that you've known you

414
00:18:50,230 --> 00:18:55,390
know has not a celebrity but isn't you

415
00:18:52,599 --> 00:18:56,769
know a villain if you know for a long

416
00:18:55,390 --> 00:18:59,020
time and to be in the room with three of

417
00:18:56,769 --> 00:19:01,269
them you know watch you in Q&A it's kind

418
00:18:59,019 --> 00:19:03,940
of surreal and what's their reaction to

419
00:19:01,269 --> 00:19:06,250
you being like have they been aggressive

420
00:19:03,940 --> 00:19:08,259
or upset or do they just ignore you

421
00:19:06,250 --> 00:19:09,730
what's happened so they they have not

422
00:19:08,259 --> 00:19:10,990
been aggressive one of them actually

423
00:19:09,730 --> 00:19:12,370
brought me a bottle of water when I was

424
00:19:10,990 --> 00:19:17,910
standing in the heat on one of the first

425
00:19:12,369 --> 00:19:20,889
fence tops it's it's the some of the

426
00:19:17,910 --> 00:19:22,330
attendees have been a little more not

427
00:19:20,890 --> 00:19:24,640
aggressive but definitely

428

00:19:22,329 --> 00:19:26,678
confrontational with me I've gone to

429
00:19:24,640 --> 00:19:28,900
some I've got some discussions I've got

430
00:19:26,679 --> 00:19:32,830
some arguments but it's all been mostly

431
00:19:28,900 --> 00:19:36,940
civil the reaction online is

432
00:19:32,829 --> 00:19:38,678
way outta trouble everybody

433
00:19:36,940 --> 00:19:40,298
they think I'm attacking their children

434
00:19:38,679 --> 00:19:41,740
they think I'm there to videotape their

435
00:19:40,298 --> 00:19:44,230
children I'm a slim sir child predator

436
00:19:41,740 --> 00:19:46,019
they think I'm being simultaneous they

437
00:19:44,230 --> 00:19:48,278
simultaneously claim that I'm absolutely

438
00:19:46,019 --> 00:19:52,230
disorganized an amateur which is true

439
00:19:48,278 --> 00:19:55,119
but I'm also being funded by Big Pharma

440
00:19:52,230 --> 00:19:57,159
how they can second Sal yeah those two

441
00:19:55,119 --> 00:19:59,408
so this is and then something that this

442
00:19:57,159 --> 00:20:01,480

is the best pharma can send I'm not

443

00:19:59,409 --> 00:20:03,100

being said by anybody who does they do

444

00:20:01,480 --> 00:20:05,288

too got a funny idea you know if Big

445

00:20:03,099 --> 00:20:07,148

Pharma was gonna JD's you don't I never

446

00:20:05,288 --> 00:20:08,769

can they just in one bloke would they oh

447

00:20:07,148 --> 00:20:09,969

you have a friend with you though I do I

448

00:20:08,769 --> 00:20:11,919

do have a friend of me but he's not

449

00:20:09,970 --> 00:20:14,950

really part of the fight he's just there

450

00:20:11,919 --> 00:20:16,659

to hold the camera this guy stays out of

451

00:20:14,950 --> 00:20:18,370

the way and make sure I don't get in too

452

00:20:16,659 --> 00:20:20,799

much trouble so what do you actually do

453

00:20:18,369 --> 00:20:22,418

do you go to the screenings or do you

454

00:20:20,798 --> 00:20:25,329

stand at the front or what do you do yes

455

00:20:22,419 --> 00:20:27,880

so um the way their tour is mostly set

456

00:20:25,329 --> 00:20:30,579

up is they will just basically pull up

457
00:20:27,880 --> 00:20:33,730
the bus to put up a couple of um you

458
00:20:30,579 --> 00:20:35,408
know like a booth tents you know we

459
00:20:33,730 --> 00:20:36,700
cover a table and they've got to merge

460
00:20:35,409 --> 00:20:39,730
lot of merch there there's going to

461
00:20:36,700 --> 00:20:43,899
shirts but sewing uh hats and then they

462
00:20:39,730 --> 00:20:45,038
call be a show but right but really what

463
00:20:43,898 --> 00:20:46,869
they're doing is they're bringing people

464
00:20:45,038 --> 00:20:49,599
onto the bus and hearing their stories

465
00:20:46,869 --> 00:20:52,569
and so they're collecting stories from

466
00:20:49,599 --> 00:20:54,750
people who either are convinced that

467
00:20:52,569 --> 00:20:57,879
vaccines damaged the child in some way

468
00:20:54,750 --> 00:21:00,548
or now they're expanding that out to

469
00:20:57,880 --> 00:21:03,070
where families are coming in and

470
00:21:00,548 --> 00:21:04,990
bringing their vaccinated and

471
00:21:03,069 --> 00:21:06,129
unvaccinated children in and saying look

472
00:21:04,990 --> 00:21:08,859
at the health differences between my

473
00:21:06,130 --> 00:21:10,600
backs naked and my unvaccinated kid and

474
00:21:08,859 --> 00:21:14,500
so it's very well controlled and

475
00:21:10,599 --> 00:21:18,339
scientifically run there's no selection

476
00:21:14,500 --> 00:21:19,720
bias at work here at all and and

477
00:21:18,339 --> 00:21:22,538
honestly it's it's actually really

478
00:21:19,720 --> 00:21:25,690
disturbing to me I will I will I got 20

479
00:21:22,538 --> 00:21:28,388
bucks on a bet that more damage is being

480
00:21:25,690 --> 00:21:30,009
done to those kids by bringing on a bus

481
00:21:28,388 --> 00:21:32,740
and introducing them as their damaged

482
00:21:30,009 --> 00:21:33,609
kid than any vaccines have ever cost you

483
00:21:32,740 --> 00:21:35,230
know what I mean I think it's just

484
00:21:33,609 --> 00:21:36,969
really kind of gross I find that really

485

00:21:35,230 --> 00:21:40,298
disturbing there's a guy in Australia

486
00:21:36,970 --> 00:21:41,558
who was a hero amongst the anti-vaxxers

487
00:21:40,298 --> 00:21:45,490
for a few months and now he's not

488
00:21:41,558 --> 00:21:48,940
anymore but he's got two or three grown

489
00:21:45,490 --> 00:21:50,440
males kids and he declared recently that

490
00:21:48,940 --> 00:21:52,570
they were vaccine damaged and I was

491
00:21:50,440 --> 00:21:54,850
thinking imagine if that was me

492
00:21:52,569 --> 00:21:56,319
Yama if my mum turned around tomorrow

493
00:21:54,849 --> 00:21:58,539
and said oh by the way your vaccine

494
00:21:56,319 --> 00:21:59,169
damaged I think I'd be horrified yeah

495
00:21:58,539 --> 00:22:01,659
absolutely

496
00:21:59,170 --> 00:22:04,029
I just I really that's really bothers me

497
00:22:01,660 --> 00:22:05,470
and you can maybe I'm picking up

498
00:22:04,029 --> 00:22:06,789
something that wasn't there but standing

499
00:22:05,470 --> 00:22:08,200

at these buses and watching the

500

00:22:06,789 --> 00:22:09,730

interaction between his parents and kids

501

00:22:08,200 --> 00:22:13,600

because they all bring their kids out to

502

00:22:09,730 --> 00:22:16,058

the bus they really treat the kids with

503

00:22:13,599 --> 00:22:16,359

conditions like differently like you can

504

00:22:16,058 --> 00:22:17,769

see

505

00:22:16,359 --> 00:22:19,479

oh that's the vaccine damaged kit

506

00:22:17,769 --> 00:22:21,730

there's my perfect healthy kid and it's

507

00:22:19,480 --> 00:22:24,009

really just kind of gross it's it's sad

508

00:22:21,730 --> 00:22:25,210

and I wish it wasn't like that I'm not

509

00:22:24,009 --> 00:22:28,990

that I I'm not going to change their

510

00:22:25,210 --> 00:22:30,130

minds but yeah I just I can't believe

511

00:22:28,990 --> 00:22:31,808

that's the angle they're taking on it's

512

00:22:30,130 --> 00:22:33,460

really kind of disturbing and so did

513

00:22:31,808 --> 00:22:40,720

they come up to you and speak to you

514
00:22:33,460 --> 00:22:41,890
yeah I throw things at you yeah so many

515
00:22:40,720 --> 00:22:42,850
of them have come up and spoke to me

516
00:22:41,890 --> 00:22:44,140
sometimes like I said more

517
00:22:42,849 --> 00:22:46,869
confrontational than others some of them

518
00:22:44,140 --> 00:22:49,120
very polite you know and it's difficult

519
00:22:46,869 --> 00:22:52,089
because when a parent comes up to you

520
00:22:49,119 --> 00:22:54,549
and says vaccines killed my child you

521
00:22:52,089 --> 00:22:56,169
can't there's you just can't argue with

522
00:22:54,549 --> 00:22:58,029
that you know and you're not you're not

523
00:22:56,170 --> 00:22:59,259
gonna win an argument with them you're

524
00:22:58,029 --> 00:23:00,599
not gonna be the one if they believe

525
00:22:59,259 --> 00:23:04,269
that for 20 years to change their mind

526
00:23:00,599 --> 00:23:07,149
and so the angle I try to take if I can

527
00:23:04,269 --> 00:23:08,529
is basically to say I can't argue with

528
00:23:07,150 --> 00:23:11,019
you about your kid I don't know your

529
00:23:08,529 --> 00:23:13,178
story all I know is that following

530
00:23:11,019 --> 00:23:15,220
anti-vaxxers for the past years I have

531
00:23:13,179 --> 00:23:17,160
heard every claim under the side heard

532
00:23:15,220 --> 00:23:19,509
cancer I've heard leukemia I've heard

533
00:23:17,160 --> 00:23:22,630
multiple sclerosis I've heard vaccines

534
00:23:19,509 --> 00:23:24,490
made my kid gay I've heard oh yeah no

535
00:23:22,630 --> 00:23:25,360
absolutely yeah 100% I've got the

536
00:23:24,490 --> 00:23:29,440
screenshots I'll send em to you

537
00:23:25,359 --> 00:23:32,379
sometimes yeah there's like really

538
00:23:29,440 --> 00:23:33,940
anything under the Sun that they could

539
00:23:32,380 --> 00:23:35,830
they could view as an issue they can put

540
00:23:33,940 --> 00:23:37,179
they've been okay vaccines so that's

541
00:23:35,829 --> 00:23:39,819
what I explained the reason I can't

542

00:23:37,179 --> 00:23:41,890
speak to your story all I can do is put

543
00:23:39,819 --> 00:23:44,919
your story in that context yeah and say

544
00:23:41,890 --> 00:23:47,080
you know and and just talking to the

545
00:23:44,920 --> 00:23:48,940
some of the people that I've went on the

546
00:23:47,079 --> 00:23:52,000
bus to tell their story you've got one

547
00:23:48,940 --> 00:23:53,350
person who says oh my kid got a vaccine

548
00:23:52,000 --> 00:23:54,970
and a month later they were diagnosed

549
00:23:53,349 --> 00:23:56,079
with autism and then the next person

550
00:23:54,970 --> 00:23:57,759
come in and they put their name on the

551
00:23:56,079 --> 00:23:58,799
bus's vaccine injured and then the next

552
00:23:57,759 --> 00:24:01,079
person comes along

553
00:23:58,799 --> 00:24:02,609
and says my kid got a vaccine and six

554
00:24:01,079 --> 00:24:04,439
months later they have food allergy and

555
00:24:02,609 --> 00:24:06,240
I made that connection and they're like

556
00:24:04,440 --> 00:24:08,210

okay they put the name on the bus and so

557

00:24:06,240 --> 00:24:10,019

really they're not even even trying to

558

00:24:08,210 --> 00:24:11,309

self-select a pattern

559

00:24:10,019 --> 00:24:12,990

they're not even finding a pattern

560

00:24:11,309 --> 00:24:15,539

they've got all these names on the bus

561

00:24:12,990 --> 00:24:17,220

and they're presenting it as you know

562

00:24:15,539 --> 00:24:19,139

the smoking gun evidence that vaccines

563

00:24:17,220 --> 00:24:21,890

damaged but none of these stories are

564

00:24:19,140 --> 00:24:24,180

you gonna like yeah you know and so it's

565

00:24:21,890 --> 00:24:25,830

any single one of those claims would be

566

00:24:24,180 --> 00:24:28,289

a big deal it would be a big deal to say

567

00:24:25,829 --> 00:24:32,009

vaccines cause autism but they got a

568

00:24:28,289 --> 00:24:34,440

laundry list the longer the list gets

569

00:24:32,009 --> 00:24:36,240

the less credible any of it is and so

570

00:24:34,440 --> 00:24:37,830

I'm interested to hear what it was like

571
00:24:36,240 --> 00:24:39,180
to sit in the same room as Andrew

572
00:24:37,829 --> 00:24:41,399
Wakefield cuz I'm not sure how I'd

573
00:24:39,180 --> 00:24:46,259
respond tell me what that was like him

574
00:24:41,400 --> 00:24:48,750
yeah so that this was maybe the second

575
00:24:46,259 --> 00:24:52,200
to stop I went to it was very early I

576
00:24:48,750 --> 00:24:53,190
had I showed up and I wasn't sure they

577
00:24:52,200 --> 00:24:55,759
were gonna know who anybody was gonna

578
00:24:53,190 --> 00:24:58,830
know who I was but I had been to the

579
00:24:55,759 --> 00:25:03,500
stop at my town like two days before so

580
00:24:58,829 --> 00:25:05,819
I showed up it was at a church and I

581
00:25:03,500 --> 00:25:07,589
just went by myself a seat in the back

582
00:25:05,819 --> 00:25:10,109
put her head back and just quietly sat

583
00:25:07,589 --> 00:25:11,549
there a lady came up to me and was like

584
00:25:10,109 --> 00:25:13,379
oh it brings you here today

585
00:25:11,549 --> 00:25:15,480
do you have vaccine injury and your

586
00:25:13,380 --> 00:25:17,670
family like no somebody just suggested

587
00:25:15,480 --> 00:25:19,079
it oh well do you know anything about

588
00:25:17,670 --> 00:25:20,430
these studies started you know kind of

589
00:25:19,079 --> 00:25:22,379
prodding me I was like no I'm just you

590
00:25:20,430 --> 00:25:23,730
know I try to keep quiet and then

591
00:25:22,380 --> 00:25:25,050
finally she was like you don't want to

592
00:25:23,730 --> 00:25:26,370
talk about this do you

593
00:25:25,049 --> 00:25:28,019
I was like oh I'm just kind of here for

594
00:25:26,369 --> 00:25:35,159
the movie he's like you know I know you

595
00:25:28,019 --> 00:25:38,430
are about her vaccine she was the one

596
00:25:35,160 --> 00:25:40,110
who said their kid had a dairy allergy

597
00:25:38,430 --> 00:25:42,330
six months after vaccines and she said

598
00:25:40,109 --> 00:25:43,109
made the connection and and all of a

599

00:25:42,329 --> 00:25:46,859
sudden there were four people

600
00:25:43,109 --> 00:25:48,419
surrounding me I was like but they were

601
00:25:46,859 --> 00:25:49,649
there okay they were there they're

602
00:25:48,420 --> 00:25:51,630
they're civil they were clients they're

603
00:25:49,650 --> 00:25:54,360
like let's watch the movie with an open

604
00:25:51,630 --> 00:25:57,180
mind okay but the movie that they're

605
00:25:54,359 --> 00:25:58,859
showing in on the tour is just like a

606
00:25:57,180 --> 00:26:00,330
20-minute teaser it's not the full

607
00:25:58,859 --> 00:26:01,769
version oh really

608
00:26:00,329 --> 00:26:02,960
yeah then you have to go on five yeah

609
00:26:01,769 --> 00:26:07,889
they've got a sale they've got a

610
00:26:02,960 --> 00:26:09,600
merchant of course twenty bucks a pop

611
00:26:07,890 --> 00:26:12,630
but they just show you like the 20

612
00:26:09,599 --> 00:26:17,909
minute condensed version so I watched it

613
00:26:12,630 --> 00:26:19,440

and that was it was BS just a lot of

614

00:26:17,910 --> 00:26:21,750

emotional pleas and a lot of not a lot

615

00:26:19,440 --> 00:26:25,200

of science and then Andrew Wakefield

616

00:26:21,750 --> 00:26:27,210

came out and Polly Tommy and Suzanne

617

00:26:25,200 --> 00:26:29,519

Humphreys and they were on stage and it

618

00:26:27,210 --> 00:26:29,940

was a Q&A and I just I kept my mouth

619

00:26:29,519 --> 00:26:31,109

shut

620

00:26:29,940 --> 00:26:32,670

I'm like if I'm gonna get

621

00:26:31,109 --> 00:26:35,069

confrontational it's I've got plenty of

622

00:26:32,670 --> 00:26:38,330

stops in the future I hope you burn my

623

00:26:35,069 --> 00:26:42,509

bridge today so I watched it and I just

624

00:26:38,329 --> 00:26:44,819

it was like they want to say oh we're

625

00:26:42,509 --> 00:26:48,059

not anti-vaccine we just believe in

626

00:26:44,819 --> 00:26:49,200

choice right but then then of course

627

00:26:48,059 --> 00:26:51,210

they get up and make clients like Paulie

628
00:26:49,200 --> 00:26:53,970
Tommy got up and said like very

629
00:26:51,210 --> 00:26:56,069
specifically doctors know that vaccines

630
00:26:53,970 --> 00:26:58,559
cause injury they do it on purpose

631
00:26:56,069 --> 00:26:59,970
because healthy kids don't make them any

632
00:26:58,559 --> 00:27:01,679
money and that's why they kick

633
00:26:59,970 --> 00:27:03,509
unvaccinated children out of their

634
00:27:01,680 --> 00:27:04,560
practices because they can't make any

635
00:27:03,509 --> 00:27:06,569
money off them because they don't have

636
00:27:04,559 --> 00:27:08,490
any health problems Wow and I was like

637
00:27:06,569 --> 00:27:10,259
how can you stand here and say this is

638
00:27:08,490 --> 00:27:12,150
an absolute magazine and then claim

639
00:27:10,259 --> 00:27:14,069
doctors of poisoning children on purpose

640
00:27:12,150 --> 00:27:23,670
for profit yeah as you know what I mean

641
00:27:14,069 --> 00:27:26,399
and so these accusations are insane

642
00:27:23,670 --> 00:27:27,570
right yes and so they got to the point

643
00:27:26,400 --> 00:27:29,160
where they said well this is the last

644
00:27:27,569 --> 00:27:31,679
question and I was like well I'm just

645
00:27:29,160 --> 00:27:33,420
gonna sneak out now and so I tried to

646
00:27:31,680 --> 00:27:35,940
and the lady would talk to me before

647
00:27:33,420 --> 00:27:37,470
kind of polity to the lobby and then

648
00:27:35,940 --> 00:27:39,360
just kind of cornered me for like a good

649
00:27:37,470 --> 00:27:41,250
another 15 20 minutes and I'm trying to

650
00:27:39,359 --> 00:27:44,729
explain hey I left my girlfriend at her

651
00:27:41,250 --> 00:27:45,960
kid at Chuck E Cheese I came to this

652
00:27:44,730 --> 00:27:49,289
grating I have to go pick them up now

653
00:27:45,960 --> 00:27:50,940
and she just kept on and on and on and

654
00:27:49,289 --> 00:27:53,190
then finally I just had to excuse myself

655
00:27:50,940 --> 00:27:56,130
and go but it was weird it was kind of

656

00:27:53,190 --> 00:27:59,610
surreal yeah and so the next time I went

657
00:27:56,130 --> 00:28:00,420
to a screening was in Spokane that's

658
00:27:59,609 --> 00:28:02,009
where people got a little more

659
00:28:00,420 --> 00:28:04,289
confrontational at they had the bus

660
00:28:02,009 --> 00:28:07,019
outside we did that part and then there

661
00:28:04,289 --> 00:28:08,940
was gonna be a screening and the lady

662
00:28:07,019 --> 00:28:11,099
who is the local organizer was like no

663
00:28:08,940 --> 00:28:14,279
you're not allowed to come right yes so

664
00:28:11,099 --> 00:28:17,189
they wouldn't let me in so I asked the

665
00:28:14,279 --> 00:28:18,720
backs bus there's well they're technical

666
00:28:17,190 --> 00:28:20,410
engineers also the bus driver and he

667
00:28:18,720 --> 00:28:23,259
does a lot of stories with them

668
00:28:20,410 --> 00:28:25,090
his name is Anu and he's kind of a the

669
00:28:23,259 --> 00:28:27,160
good cop out of the good cop bad cop and

670
00:28:25,089 --> 00:28:28,299

he's the one who came over and and kind

671

00:28:27,160 --> 00:28:29,830

of tried to make friends with me and

672

00:28:28,299 --> 00:28:31,089

laughed at my sign and told me that he

673

00:28:29,829 --> 00:28:32,409

actually wants to have be on the bus for

674

00:28:31,089 --> 00:28:34,480

an interview some time on the tour

675

00:28:32,410 --> 00:28:36,700

uh-huh so I'm considering that I don't

676

00:28:34,480 --> 00:28:38,289

know I have to play down right but what

677

00:28:36,700 --> 00:28:39,640

do they plan to do with these stories do

678

00:28:38,289 --> 00:28:41,289

you know is it like a second me yeah

679

00:28:39,640 --> 00:28:42,310

yeah they're making a sequel where

680

00:28:41,289 --> 00:28:44,889

they're like oh here's a bunch of

681

00:28:42,309 --> 00:28:46,539

families who claim to who show off their

682

00:28:44,890 --> 00:28:48,310

kids and say this kids damaged with

683

00:28:46,539 --> 00:28:49,839

vaccines and this kids never had a

684

00:28:48,309 --> 00:28:52,119

vaccine and it's fine

685
00:28:49,839 --> 00:28:54,159
of course they're not I've got a

686
00:28:52,119 --> 00:28:55,449
sneaking suspicion that if a parents

687
00:28:54,160 --> 00:28:57,550
came up and said oh yeah I've got a

688
00:28:55,450 --> 00:28:58,930
vaccinated and unvaccinated kid here's

689
00:28:57,549 --> 00:29:00,849
my vaccinated kid who's perfectly

690
00:28:58,930 --> 00:29:02,320
healthy and here's my unvaccinated kid

691
00:29:00,849 --> 00:29:04,539
who can't have vaccines because they

692
00:29:02,319 --> 00:29:06,159
have cancer yeah I don't think those

693
00:29:04,539 --> 00:29:06,519
kids will get the movie No yeah I don't

694
00:29:06,160 --> 00:29:08,860
think so

695
00:29:06,519 --> 00:29:10,750
well that's interesting because just

696
00:29:08,859 --> 00:29:12,729
recently the Australian vaccination

697
00:29:10,750 --> 00:29:16,119
skeptic network which ow

698
00:29:12,730 --> 00:29:18,640
out anti-vaxxers yeah they've advertised

699

00:29:16,119 --> 00:29:21,219

that the VAX team is sending a

700

00:29:18,640 --> 00:29:23,950

videographer out to Australia yes to do

701

00:29:21,220 --> 00:29:26,230

a VAX kind of bus thing so I presume

702

00:29:23,950 --> 00:29:27,549

that's gonna be footage for the sequel

703

00:29:26,230 --> 00:29:29,079

as well yeah yeah I think it's part of

704

00:29:27,549 --> 00:29:31,869

the same tour I think because there's a

705

00:29:29,079 --> 00:29:34,389

break coming up after these few stops

706

00:29:31,869 --> 00:29:36,519

and then they'll be back for more stops

707

00:29:34,390 --> 00:29:38,230

in August and so I was looking at that

708

00:29:36,519 --> 00:29:40,089

break cuz their schedule has been kind

709

00:29:38,230 --> 00:29:42,069

of fluid and that break is exactly when

710

00:29:40,089 --> 00:29:46,059

they've got their Australian dates later

711

00:29:42,069 --> 00:29:47,470

okay so yeah I'll get a little bit home

712

00:29:46,059 --> 00:29:49,960

before I get back out of the road

713

00:29:47,470 --> 00:29:58,329
well so I mean I think you're a brave

714
00:29:49,960 --> 00:29:59,890
man I mean we've had people in Australia

715
00:29:58,329 --> 00:30:03,699
who've gone to antioxidants and have

716
00:29:59,890 --> 00:30:04,990
being kicked out or being yelled at and

717
00:30:03,700 --> 00:30:06,309
stuff like that so you know it's not

718
00:30:04,990 --> 00:30:08,920
something that I would want to do

719
00:30:06,309 --> 00:30:11,019
necessarily I think I'd rather I don't

720
00:30:08,920 --> 00:30:12,430
suggest it I I'm I kept doing it from

721
00:30:11,019 --> 00:30:13,000
behind my keyboard but I'm not sure if

722
00:30:12,430 --> 00:30:15,310
I'd wanted to

723
00:30:13,000 --> 00:30:16,269
okay so you know I'm thinking are we

724
00:30:15,309 --> 00:30:18,669
doing a good thing

725
00:30:16,269 --> 00:30:20,379
thank you um and I don't I mean do you

726
00:30:18,670 --> 00:30:23,080
hope to achieve anything specifically

727
00:30:20,380 --> 00:30:26,170

out of this so just sort of be in their

728

00:30:23,079 --> 00:30:27,879

face a little bit I have battled with

729

00:30:26,170 --> 00:30:29,980

anti-vaxxers for about five years online

730

00:30:27,880 --> 00:30:33,590

and every one of my victories was

731

00:30:29,980 --> 00:30:35,390

unexpected so I'm just gonna

732

00:30:33,589 --> 00:30:37,459

going with the flow I'm just gonna stand

733

00:30:35,390 --> 00:30:39,130

there with my sign where the opportunity

734

00:30:37,460 --> 00:30:42,288

arises and I gonna grab it I was

735

00:30:39,130 --> 00:30:46,760

something that goes down but even right

736

00:30:42,288 --> 00:30:49,579

now there's it's I'm at least exposing

737

00:30:46,759 --> 00:30:51,950

them in some way to some people and and

738

00:30:49,579 --> 00:30:53,329

when reporters show up even the

739

00:30:51,950 --> 00:30:55,490

reporters who fall into the false

740

00:30:53,329 --> 00:30:57,889

equivalency trap and print out an

741

00:30:55,490 --> 00:31:00,589

article that really isn't a good article

742
00:30:57,890 --> 00:31:04,640
about the whole situation like that just

743
00:31:00,589 --> 00:31:10,308
happened I had in Montana that my

744
00:31:04,640 --> 00:31:11,600
picture was on the paper there like the

745
00:31:10,308 --> 00:31:15,548
anti-vaxxers comes down and there's a

746
00:31:11,599 --> 00:31:21,230
picture of me my protests by tonight so

747
00:31:15,548 --> 00:31:26,210
that to me is where the grand backs bus

748
00:31:21,230 --> 00:31:27,970
when they got that newspaper you know

749
00:31:26,210 --> 00:31:30,829
that's all I could do great but

750
00:31:27,970 --> 00:31:32,589
hopefully one of the great things that

751
00:31:30,829 --> 00:31:34,490
happened to one of the stops was I met

752
00:31:32,589 --> 00:31:37,220
some parents who were also there

753
00:31:34,490 --> 00:31:41,630
protesting with their own signs oh great

754
00:31:37,220 --> 00:31:44,600
and they'd have 12 children and one of

755
00:31:41,630 --> 00:31:46,970
their one of their daughters relies not

756
00:31:44,599 --> 00:31:49,609
relies on other people to be vaccinated

757
00:31:46,970 --> 00:31:52,250
to save her and not just in the normal

758
00:31:49,609 --> 00:31:54,379
herd immunity sense but she actually has

759
00:31:52,250 --> 00:31:57,558
to have plasma transfusions from

760
00:31:54,380 --> 00:31:59,510
vaccinated people into her to help give

761
00:31:57,558 --> 00:32:02,298
her protection against diseases and like

762
00:31:59,509 --> 00:32:04,148
on a weekly basis and so they were there

763
00:32:02,298 --> 00:32:07,129
protesting they were super sweet family

764
00:32:04,148 --> 00:32:09,019
they actually go to Seattle to the

765
00:32:07,130 --> 00:32:10,760
Saddles Children Hospital every couple

766
00:32:09,019 --> 00:32:12,230
months and spend weeks there so

767
00:32:10,759 --> 00:32:14,240
hopefully I'll be able to reconnect with

768
00:32:12,230 --> 00:32:15,890
them when they do that so if it's just

769
00:32:14,240 --> 00:32:17,870
those kind of connections I make then

770

00:32:15,890 --> 00:32:19,009
it's a successful trip so would you

771
00:32:17,869 --> 00:32:21,439
suggest that somebody does this

772
00:32:19,009 --> 00:32:23,329
Australia then well isn't around yeah

773
00:32:21,440 --> 00:32:28,940
you know what I really want people to do

774
00:32:23,329 --> 00:32:31,639
and this is probably petty of me what I

775
00:32:28,940 --> 00:32:33,169
really encourage people to do is to make

776
00:32:31,640 --> 00:32:35,690
an appointment with the backs bus and

777
00:32:33,169 --> 00:32:37,850
get on until a vaccine injury story

778
00:32:35,690 --> 00:32:39,558
that's completely preposterous and see

779
00:32:37,849 --> 00:32:41,808
if there's anything at all that they

780
00:32:39,558 --> 00:32:43,069
will that they will dismiss us is it

781
00:32:41,808 --> 00:32:44,700
probable yeah because I don't think they

782
00:32:43,069 --> 00:32:46,349
will I think you could really get

783
00:32:44,700 --> 00:32:47,549
then claim absolutely anything and

784
00:32:46,349 --> 00:32:48,569

there's I've asked them I said do you

785

00:32:47,549 --> 00:32:50,579

have you ever heard of batching story

786

00:32:48,569 --> 00:32:52,289

that even you said yeah I hate vaccines

787

00:32:50,579 --> 00:32:54,299

as much as the next guy but vaccines

788

00:32:52,289 --> 00:32:56,159

probably didn't cause that no not a

789

00:32:54,299 --> 00:32:57,599

single one so that's what I that's what

790

00:32:56,160 --> 00:32:59,490

I would encourage people to do is just

791

00:32:57,599 --> 00:33:02,759

go up make up the stupidest story you

792

00:32:59,490 --> 00:33:04,410

can when you get on their Facebook page

793

00:33:02,759 --> 00:33:07,140

with your YouTube video then you don't

794

00:33:04,410 --> 00:33:09,000

have a reveal and say I just made you

795

00:33:07,140 --> 00:33:11,280

may like the the vaaz where somebody

796

00:33:09,000 --> 00:33:14,160

said it turned them into Incredible Hulk

797

00:33:11,279 --> 00:33:16,559

and that made onto this oh yeah I

798

00:33:14,160 --> 00:33:18,720

probably wouldn't say that but I would

799

00:33:16,559 --> 00:33:20,069

probably I would you go in there and say

800

00:33:18,720 --> 00:33:21,450

you have six kids and they'll have all

801

00:33:20,069 --> 00:33:23,369

different conditions all from the back

802

00:33:21,450 --> 00:33:25,410

things you know or just just go away or

803

00:33:23,369 --> 00:33:28,469

say one of my favorite one thing that

804

00:33:25,410 --> 00:33:31,500

actually see people claim and it's taken

805

00:33:28,470 --> 00:33:35,100

seriously is I didn't vaccinate my kid

806

00:33:31,500 --> 00:33:36,630

they got autism anyway so I'm pretty

807

00:33:35,099 --> 00:33:39,419

sure they were vaccinated behind my back

808

00:33:36,630 --> 00:33:41,610

oh wow yeah you've got a strategy that's

809

00:33:39,420 --> 00:33:43,590

really twisting yourself in not salute

810

00:33:41,609 --> 00:33:45,359

lee it is network and then and nobody

811

00:33:43,589 --> 00:33:46,619

disagrees nobody calls it out nobody

812

00:33:45,359 --> 00:33:47,849

says yeah that's probably not true

813
00:33:46,619 --> 00:33:50,489
though yeah oh yeah they do that all the

814
00:33:47,849 --> 00:33:53,009
time yeah yes I mean you know what is

815
00:33:50,490 --> 00:33:54,750
there like black ops vans driving around

816
00:33:53,009 --> 00:33:56,460
and snatching kids yeah yeah pretty nice

817
00:33:54,750 --> 00:33:59,670
story I just did that comes from that

818
00:33:56,460 --> 00:34:01,769
ABN oh yeah there's no medical kidnap

819
00:33:59,670 --> 00:34:03,480
that info or whatever these crazy sites

820
00:34:01,769 --> 00:34:06,269
are and that's literally what they're

821
00:34:03,480 --> 00:34:07,589
claiming yeah yeah well Craig thanks for

822
00:34:06,269 --> 00:34:09,000
taking the time to talk to us today on

823
00:34:07,589 --> 00:34:11,069
the skip design and good luck with the

824
00:34:09,000 --> 00:34:12,780
rest of your vets - ah thank you very

825
00:34:11,070 --> 00:34:14,670
much - and stay safe and say hi to

826
00:34:12,780 --> 00:34:19,650
Andrew Wakefield Boris I will No No

827

00:34:14,670 --> 00:34:21,599
thank you thank you and if you happen to

828
00:34:19,650 --> 00:34:23,910
be in Jackson Wyoming in the United

829
00:34:21,599 --> 00:34:28,019
States of America on Monday July the

830
00:34:23,909 --> 00:34:31,259
31st at 6:00 p.m. a new movie called

831
00:34:28,019 --> 00:34:33,690
toxic puzzle which looks into the role

832
00:34:31,260 --> 00:34:35,730
for an environmental neurotoxin in

833
00:34:33,690 --> 00:34:38,519
Alzheimer's disease and Lou Gehrig's

834
00:34:35,730 --> 00:34:41,219
disease is premiering at the Art Center

835
00:34:38,519 --> 00:34:44,519
and I mention this because I'm in it

836
00:34:41,219 --> 00:34:46,409
it's about my lab work and it's narrated

837
00:34:44,519 --> 00:34:49,889
by the wonderful Harrison Ford

838
00:34:46,409 --> 00:34:51,389
so get along to that if you want to do

839
00:34:49,889 --> 00:34:54,239
that and you're in town with Google

840
00:34:51,389 --> 00:34:55,079
toxic puzzle ad Center for the Arts in

841
00:34:54,239 --> 00:34:57,299

Jackson

842

00:34:55,079 --> 00:35:00,230
and until next time this has been dr.

843

00:34:57,300 --> 00:35:00,230
rachey reports

844

00:35:03,670 --> 00:35:12,059
[Music]

845

00:35:10,320 --> 00:35:15,430
[Applause]

846

00:35:12,059 --> 00:35:17,829
calling all skeptics or listeners do you

847

00:35:15,429 --> 00:35:20,108
live in or near Glasgow or are you

848

00:35:17,829 --> 00:35:22,358
planning to visit something then you're

849

00:35:20,108 --> 00:35:25,779
in luck because the Glasgow scale tics

850

00:35:22,358 --> 00:35:26,920
have got your Monday nights sorted we

851

00:35:25,780 --> 00:35:29,650
are committed to filling up every

852

00:35:26,920 --> 00:35:32,500
available Monday night talks on science

853

00:35:29,650 --> 00:35:34,838
and skepticism ha speakers include the

854

00:35:32,500 --> 00:35:37,300
Eugenie Scott jelly coin maker Marshall

855

00:35:34,838 --> 00:35:40,420
Nate Phelps tormund Cecil from cognitive

856
00:35:37,300 --> 00:35:42,550
dissonance PZ Myers Richard Wiseman EC

857
00:35:40,420 --> 00:35:45,099
drilling nor Heath and Eli from the

858
00:35:42,550 --> 00:35:47,380
scaling atheist Simon Singh Rebecca

859
00:35:45,099 --> 00:35:50,230
Watson and a multitude of local

860
00:35:47,380 --> 00:35:52,088
academics and sceptics there's literally

861
00:35:50,230 --> 00:35:54,159
nothing better you can do on a Monday

862
00:35:52,088 --> 00:35:56,500
night in Glasgow that doesn't involve

863
00:35:54,159 --> 00:35:58,480
taking your clothes off so come join us

864
00:35:56,500 --> 00:36:00,608
we've also got a vibrant online

865
00:35:58,480 --> 00:36:02,500
community you can find us on Facebook

866
00:36:00,608 --> 00:36:05,500
Twitter and get involved with the

867
00:36:02,500 --> 00:36:07,539
discussion class go skeptics self-help

868
00:36:05,500 --> 00:36:12,329
or your brain

869
00:36:07,539 --> 00:36:16,199
[Music]

870
00:36:12,329 --> 00:36:16,199
[Applause]

871
00:36:17,219 --> 00:36:27,750
[Music]

872
00:36:25,338 --> 00:36:30,480
once again we head to the website of

873
00:36:27,750 --> 00:36:33,599
Australian skeptics skeptics dot-com

874
00:36:30,480 --> 00:36:36,829
today you with the report here written

875
00:36:33,599 --> 00:36:41,550
by Tim Mendham on the 10th of July 2017

876
00:36:36,829 --> 00:36:43,090
TJ's list of medical indications full of

877
00:36:41,550 --> 00:36:44,660
pseudoscience

878
00:36:43,090 --> 00:36:48,930
[Music]

879
00:36:44,659 --> 00:36:51,920
the Therapeutic Goods Administration TGA

880
00:36:48,929 --> 00:36:54,779
has published a draft list of quote

881
00:36:51,920 --> 00:36:57,690
permitted indications end quote for

882
00:36:54,780 --> 00:37:00,089
listed complementary medicines that

883
00:36:57,690 --> 00:37:02,550
includes many terms and concepts that

884

00:37:00,088 --> 00:37:06,358
are straight out of the pseudoscience

885
00:37:02,550 --> 00:37:09,329
catalog quote permitted indications and

886
00:37:06,358 --> 00:37:11,940
quote are statements that will describe

887
00:37:09,329 --> 00:37:15,089
the therapeutic uses for listed

888
00:37:11,940 --> 00:37:18,240
medicines when the permitted indications

889
00:37:15,088 --> 00:37:21,000
reform is implemented sponsors will be

890
00:37:18,239 --> 00:37:23,308
required to use them to enter their

891
00:37:21,000 --> 00:37:26,639
product indications in the Australian

892
00:37:23,309 --> 00:37:29,670
register of Therapeutic Goods permitted

893
00:37:26,639 --> 00:37:33,239
indications will be assessed against a

894
00:37:29,670 --> 00:37:36,298
set of eligibility criteria to ensure

895
00:37:33,239 --> 00:37:39,838
that they are appropriate for low-risk

896
00:37:36,298 --> 00:37:42,088
listed medicines that are not assessed

897
00:37:39,838 --> 00:37:44,159
pre-market the Commonwealth Government

898
00:37:42,088 --> 00:37:46,949

announced in September last year that

899

00:37:44,159 --> 00:37:50,190

the TGA would introduce such a list with

900

00:37:46,949 --> 00:37:53,338

the purpose of point ensuring that

901

00:37:50,190 --> 00:37:55,588

listed medicines can only make low-level

902

00:37:53,338 --> 00:37:58,650

indications that are suitable for

903

00:37:55,588 --> 00:38:01,949

medicines that do not undergo pre market

904

00:37:58,650 --> 00:38:04,950

assessment point providing transparency

905

00:38:01,949 --> 00:38:06,960

for sponsors on what indications are

906

00:38:04,949 --> 00:38:10,879

suitable for listed medications to help

907

00:38:06,960 --> 00:38:14,909

prevent inadvertent non-compliance and

908

00:38:10,880 --> 00:38:17,548

point avoiding consumers being misled by

909

00:38:14,909 --> 00:38:21,118

inappropriate indications unlisted

910

00:38:17,548 --> 00:38:23,039

medicine labels dr. Ken Harvey a regular

911

00:38:21,119 --> 00:38:26,180

campaigner against pseudo-scientific

912

00:38:23,039 --> 00:38:30,800

claims in the altmed industry says

913
00:38:26,179 --> 00:38:33,409
that among the 1345 permitted

914
00:38:30,800 --> 00:38:35,690
indications in the draft list are many

915
00:38:33,409 --> 00:38:38,359
which lack evidence and for which

916
00:38:35,690 --> 00:38:41,480
complaints have previously been upheld

917
00:38:38,360 --> 00:38:46,550
by the TGA completes resolution panel

918
00:38:41,480 --> 00:38:48,949
such as number 7 4 0 - 7 4 7 muscle

919
00:38:46,550 --> 00:38:52,370
cramp typically claims made for

920
00:38:48,949 --> 00:38:54,649
magnesium quote in addition the list

921
00:38:52,369 --> 00:38:56,960
contains numerous nonsensical

922
00:38:54,650 --> 00:38:58,880
traditional Chinese medicine quote

923
00:38:56,960 --> 00:39:02,329
traditional indications end quote

924
00:38:58,880 --> 00:39:06,410
without any disclaimer such as number

925
00:39:02,329 --> 00:39:10,880
one quote harmonize middle burner spleen

926
00:39:06,409 --> 00:39:15,529
and stomach hmm end quote and number six

927
00:39:10,880 --> 00:39:22,190
quote unblocked open relaxed meridians

928
00:39:15,530 --> 00:39:26,840
and quote and number 115 quote balance

929
00:39:22,190 --> 00:39:28,519
yin and yang end quote harvey and others

930
00:39:26,840 --> 00:39:31,280
have argued that the proposed list

931
00:39:28,519 --> 00:39:35,199
should be short and only contain modest

932
00:39:31,280 --> 00:39:39,560
claims such as quote may assist may help

933
00:39:35,199 --> 00:39:41,589
unquote etc quote in addition we argued

934
00:39:39,559 --> 00:39:44,840
that for consumers to make informed

935
00:39:41,590 --> 00:39:46,910
purchases claims based on traditional

936
00:39:44,840 --> 00:39:49,820
use should always have a disclaimer

937
00:39:46,909 --> 00:39:52,369
along the lines of what the US FTC

938
00:39:49,820 --> 00:39:55,400
proposed for homeopathic products quote

939
00:39:52,369 --> 00:39:57,829
warning traditional use does not imply

940
00:39:55,400 --> 00:39:59,809
efficacy or guarantee safety this

941

00:39:57,829 --> 00:40:01,759
products traditional claims are based on

942
00:39:59,809 --> 00:40:03,889
alternative health practices that are

943
00:40:01,760 --> 00:40:06,290
not accepted by most modern medical

944
00:40:03,889 --> 00:40:07,819
experts there is no scientific evidence

945
00:40:06,289 --> 00:40:10,969
that this product works

946
00:40:07,820 --> 00:40:13,220
end quote however industry

947
00:40:10,969 --> 00:40:15,679
representatives argued that they needed

948
00:40:13,219 --> 00:40:19,279
a long list of permitted indications and

949
00:40:15,679 --> 00:40:21,469
that disclaimers were unnecessary would

950
00:40:19,280 --> 00:40:24,050
be misunderstood or would have no impact

951
00:40:21,469 --> 00:40:26,000
on consumers the list is due to come

952
00:40:24,050 --> 00:40:29,120
into effect at the same time next year

953
00:40:26,000 --> 00:40:32,679
with the draft lists available at the

954
00:40:29,119 --> 00:40:35,119
TGA website until October 31st 2017

955
00:40:32,679 --> 00:40:37,909

during this period the interested

956

00:40:35,119 --> 00:40:39,710

parties including suppliers can review

957

00:40:37,909 --> 00:40:41,598

and provide comments

958

00:40:39,710 --> 00:40:44,480

the list and proposed additional

959

00:40:41,599 --> 00:40:50,960

indications or evidence qualifies prior

960

00:40:44,480 --> 00:40:54,019

to the list of being finalized balance

961

00:40:50,960 --> 00:40:57,260

the yin and yang a that story comes to

962

00:40:54,019 --> 00:41:12,500

us from skeptics Comte you published on

963

00:40:57,260 --> 00:41:14,990

the 10th of July 2017 by Tim Mendham it

964

00:41:12,500 --> 00:41:17,210

never ends a friend starts talking about

965

00:41:14,989 --> 00:41:19,309

his new Reiki Master and someone else

966

00:41:17,210 --> 00:41:21,740

just posted about another all-natural

967

00:41:19,309 --> 00:41:24,980

cancer cure that they don't want you to

968

00:41:21,739 --> 00:41:26,779

know about skeptics we dedicate a lot of

969

00:41:24,980 --> 00:41:28,730

time trying to protect those around us

970
00:41:26,780 --> 00:41:31,280
but there's a way that you can reach

971
00:41:28,730 --> 00:41:33,530
millions guerrilla skepticism on

972
00:41:31,280 --> 00:41:35,690
Wikipedia is a group that is working to

973
00:41:33,530 --> 00:41:38,300
keep the best skeptical information at

974
00:41:35,690 --> 00:41:41,599
everyone's fingertips in all languages

975
00:41:38,300 --> 00:41:44,420
join us training is self-paced and fun

976
00:41:41,599 --> 00:41:46,670
and we have our very own super secret

977
00:41:44,420 --> 00:41:49,070
Facebook group you will be educating the

978
00:41:46,670 --> 00:41:54,220
world in your sleep to find out more

979
00:41:49,070 --> 00:41:58,420
email us at GS o w team at gmail.com

980
00:41:54,219 --> 00:42:10,389
guerrilla skepticism the time is now

981
00:41:58,420 --> 00:42:15,289
music by bensound.com as skeptics no

982
00:42:10,389 --> 00:42:17,000
chemicals are well they're everywhere in

983
00:42:15,289 --> 00:42:20,150
this interview guest reporter Kevin

984
00:42:17,000 --> 00:42:22,429
Davies talks to Professor John kava from

985
00:42:20,150 --> 00:42:23,960
the australian national university about

986
00:42:22,429 --> 00:42:27,108
some of the misconceptions regarding

987
00:42:23,960 --> 00:42:30,429
chemicals and about the book chemistry

988
00:42:27,108 --> 00:42:30,429
in the marketplace

989
00:42:32,340 --> 00:42:38,710
I'm here at the new with Professor John

990
00:42:36,099 --> 00:42:40,210
Carver how are you going John well thank

991
00:42:38,710 --> 00:42:41,679
you well we've just been at a very

992
00:42:40,210 --> 00:42:43,900
interesting book launch

993
00:42:41,679 --> 00:42:45,519
yes we've launched a book called

994
00:42:43,900 --> 00:42:46,900
chemistry in the marketplace which is

995
00:42:45,519 --> 00:42:49,059
the sixth edition of this book has been

996
00:42:46,900 --> 00:42:51,309
around since 1978 it's a book which

997
00:42:49,059 --> 00:42:53,349
explains chemistry in a very general

998

00:42:51,309 --> 00:42:54,549
sense to the public about how important

999
00:42:53,349 --> 00:42:55,900
chemicals are and what in their

1000
00:42:54,550 --> 00:42:58,530
environment in the environment and

1001
00:42:55,900 --> 00:43:00,940
around us and chemicals are everywhere

1002
00:42:58,530 --> 00:43:01,780
so do you want to tell us a little bit

1003
00:43:00,940 --> 00:43:03,340
about yourself

1004
00:43:01,780 --> 00:43:05,290
well I'm director of the research school

1005
00:43:03,340 --> 00:43:06,789
of chemistry here at the ANU and I've

1006
00:43:05,289 --> 00:43:09,039
been in this job for four years I'm a

1007
00:43:06,789 --> 00:43:11,440
professor of chemistry and I've been an

1008
00:43:09,039 --> 00:43:13,599
academic since 1988 I've had experience

1009
00:43:11,440 --> 00:43:14,980
as an academic at the University of

1010
00:43:13,599 --> 00:43:17,529
Wollongong on the University of Adelaide

1011
00:43:14,980 --> 00:43:19,420
and I actually did my PhD here many

1012
00:43:17,530 --> 00:43:23,350

years ago and I've come back to the

1013

00:43:19,420 --> 00:43:25,480

place after a long gap so what I do my

1014

00:43:23,349 --> 00:43:26,769

job I run the school I do a lot of

1015

00:43:25,480 --> 00:43:29,469

administration but I also do research

1016

00:43:26,769 --> 00:43:33,219

and teach so I have a very multifaceted

1017

00:43:29,469 --> 00:43:35,919

job excellent excellent now I just ask

1018

00:43:33,219 --> 00:43:40,179

you a few questions about some of the

1019

00:43:35,920 --> 00:43:43,150

myths and then about chemicals so start

1020

00:43:40,179 --> 00:43:45,460

off with when you see somebody

1021

00:43:43,150 --> 00:43:48,579

advertising a product as being chemical

1022

00:43:45,460 --> 00:43:50,860

free what is your reaction of course I

1023

00:43:48,579 --> 00:43:52,299

say that's rubbish because chemicals are

1024

00:43:50,860 --> 00:43:54,370

everywhere where we're at we're full of

1025

00:43:52,300 --> 00:43:59,170

chemicals ourselves and we're comprised

1026

00:43:54,369 --> 00:44:00,489

everything proteins sugars fats lipids

1027
00:43:59,170 --> 00:44:03,130
everything they're all protein they're

1028
00:44:00,489 --> 00:44:04,269
all their own chemicals so to say

1029
00:44:03,130 --> 00:44:07,809
something is chemical free

1030
00:44:04,269 --> 00:44:10,179
maybe that implies that there's no added

1031
00:44:07,809 --> 00:44:11,920
synthetic chemicals in there but it

1032
00:44:10,179 --> 00:44:14,259
obviously contains chemicals which are

1033
00:44:11,920 --> 00:44:18,070
naturally there so why do you think

1034
00:44:14,260 --> 00:44:20,860
there is this attitude toward being say

1035
00:44:18,070 --> 00:44:21,690
chemical free even if as you say it is

1036
00:44:20,860 --> 00:44:24,269
rubbish

1037
00:44:21,690 --> 00:44:28,139
well I think it's because people have

1038
00:44:24,269 --> 00:44:30,750
some misconceptions about chemicals

1039
00:44:28,139 --> 00:44:33,538
which come from obviously situations

1040
00:44:30,750 --> 00:44:36,469
when things go awry with chemicals when

1041
00:44:33,539 --> 00:44:38,630
there's a chemical plant that

1042
00:44:36,469 --> 00:44:40,789
that releases chemists chemicals that

1043
00:44:38,630 --> 00:44:43,670
are potentially toxic when you get a

1044
00:44:40,789 --> 00:44:47,179
spill in and a river for example of a

1045
00:44:43,670 --> 00:44:48,740
chemical that is man-made and causes

1046
00:44:47,179 --> 00:44:51,889
some damage mmm

1047
00:44:48,739 --> 00:44:55,969
spraying pesticides or herbicides on

1048
00:44:51,889 --> 00:44:59,239
crops that make obviously work to kill

1049
00:44:55,969 --> 00:45:00,618
insects etc but if you have to match

1050
00:44:59,239 --> 00:45:02,750
them in there or even if you add

1051
00:45:00,619 --> 00:45:05,660
phosphates for example to improve your

1052
00:45:02,750 --> 00:45:07,849
yields of crops these are all important

1053
00:45:05,659 --> 00:45:09,949
aspects that enabled us to feed the

1054
00:45:07,849 --> 00:45:12,500
world but they do have consequences in

1055

00:45:09,949 --> 00:45:15,230
people misconstruing them will them

1056
00:45:12,500 --> 00:45:17,960
being misused potentially and causing

1057
00:45:15,230 --> 00:45:22,820
province and so that you don't think I

1058
00:45:17,960 --> 00:45:24,530
think that we where society I think in

1059
00:45:22,820 --> 00:45:28,430
terms of chemicals being banned when in

1060
00:45:24,530 --> 00:45:30,500
fact the reason why many of the aspects

1061
00:45:28,429 --> 00:45:32,239
of our society why we have such an

1062
00:45:30,500 --> 00:45:34,519
advanced society is what is related to

1063
00:45:32,239 --> 00:45:37,839
our understanding of chemicals and their

1064
00:45:34,519 --> 00:45:40,159
use of them and what are the some of the

1065
00:45:37,840 --> 00:45:43,490
strange things people have come to you

1066
00:45:40,159 --> 00:45:45,618
with in regards to chemicals like has

1067
00:45:43,489 --> 00:45:48,559
anybody ever said something that really

1068
00:45:45,619 --> 00:45:49,440
just made you sit back and go what on

1069
00:45:48,559 --> 00:45:52,070

earth

1070

00:45:49,440 --> 00:45:55,429

[Music]

1071

00:45:52,070 --> 00:45:59,000

I think the when I work in an area I

1072

00:45:55,429 --> 00:46:00,259

work on proteins in foods and we've

1073

00:45:59,000 --> 00:46:02,510

we've made some interesting discoveries

1074

00:46:00,260 --> 00:46:05,540

about their important nature

1075

00:46:02,510 --> 00:46:07,490

particularly milk proteins and found for

1076

00:46:05,539 --> 00:46:10,369

example that if you treat milk in a

1077

00:46:07,489 --> 00:46:12,019

certain way you'll create species called

1078

00:46:10,369 --> 00:46:14,350

amyloid fibrils that are potentially

1079

00:46:12,019 --> 00:46:18,429

toxic to

1080

00:46:14,349 --> 00:46:20,199

and we've had people come up to me and

1081

00:46:18,429 --> 00:46:23,169

say well are those those particular

1082

00:46:20,199 --> 00:46:25,869

species related to diseases and they're

1083

00:46:23,170 --> 00:46:29,440

not but they are present in various

1084
00:46:25,869 --> 00:46:31,539
disease related diseases such as our

1085
00:46:29,440 --> 00:46:35,230
summers and the deposits and our summers

1086
00:46:31,539 --> 00:46:36,610
and Parkinson's Wow but if you ingest

1087
00:46:35,230 --> 00:46:38,289
milk you don't get them it's just that

1088
00:46:36,610 --> 00:46:39,880
they haven't if you treat the milk in a

1089
00:46:38,289 --> 00:46:42,550
certain way you'll form these type of

1090
00:46:39,880 --> 00:46:45,550
structures and proteins so we've you

1091
00:46:42,550 --> 00:46:49,030
know it it's how you spin the story I

1092
00:46:45,550 --> 00:46:50,950
think how you can sometimes get

1093
00:46:49,030 --> 00:46:53,200
misconstrue things that I think that do

1094
00:46:50,949 --> 00:46:55,389
we have to be very careful about and of

1095
00:46:53,199 --> 00:46:56,739
course we're you know we're ingesting

1096
00:46:55,389 --> 00:46:58,629
chemicals all the time and our foods

1097
00:46:56,739 --> 00:47:00,639
which many the vast majority of which

1098
00:46:58,630 --> 00:47:03,039
are naturally there but our bodies are

1099
00:47:00,639 --> 00:47:05,949
very attuned have got systems have got

1100
00:47:03,039 --> 00:47:09,730
means of detoxifying that worked very

1101
00:47:05,949 --> 00:47:11,889
efficiently and that we have really when

1102
00:47:09,730 --> 00:47:13,809
chemicals have done tremendous benefit

1103
00:47:11,889 --> 00:47:16,089
for us in terms of food preservation for

1104
00:47:13,809 --> 00:47:18,009
example we had print preservatives -

1105
00:47:16,090 --> 00:47:20,690
food we've been alien for millennia -

1106
00:47:18,010 --> 00:47:22,579
food - installed as a preservative

1107
00:47:20,690 --> 00:47:23,780
when adding for ages salt has yet too

1108
00:47:22,579 --> 00:47:26,150
much salt of course it has consequences

1109
00:47:23,780 --> 00:47:28,609
for your health in terms of elevated

1110
00:47:26,150 --> 00:47:30,889
blood pressure etc so it's always a

1111
00:47:28,608 --> 00:47:33,318
balance I think and we just got to get

1112

00:47:30,889 --> 00:47:35,920
things into perspective I think that's

1113
00:47:33,318 --> 00:47:38,389
probably a very good place to end it so

1114
00:47:35,920 --> 00:47:39,820
John Carver thank you very much

1115
00:47:38,389 --> 00:47:50,908
pleasure good to talk to

1116
00:47:39,820 --> 00:47:50,909
[Music]

1117
00:47:56,489 --> 00:48:04,000
save-the-date saikhan is returning to

1118
00:47:59,409 --> 00:48:06,399
Las Vegas for 2017 today you turned on

1119
00:48:04,000 --> 00:48:08,920
your computer or your phone Facebook

1120
00:48:06,400 --> 00:48:12,070
told you that vaccines are an evil

1121
00:48:08,920 --> 00:48:15,338
government plot Twitter told you the Sun

1122
00:48:12,070 --> 00:48:17,019
is revolving around a Flat Earth and the

1123
00:48:15,338 --> 00:48:19,889
House Science Committee told you that

1124
00:48:17,019 --> 00:48:24,719
climate changes nothing to worry about

1125
00:48:19,889 --> 00:48:27,789
meanwhile up is down true is false

1126
00:48:24,719 --> 00:48:31,299

Oceania has always been at war with East

1127

00:48:27,789 --> 00:48:34,989

Asia and dogs and cats may in fact be

1128

00:48:31,300 --> 00:48:38,200

living together enough already it's time

1129

00:48:34,989 --> 00:48:40,569

once again for the forces of reason and

1130

00:48:38,199 --> 00:48:42,969

science to come together time for

1131

00:48:40,570 --> 00:48:45,730

critical thinkers to connect learn from

1132

00:48:42,969 --> 00:48:49,118

each other and sharpen their skills time

1133

00:48:45,730 --> 00:48:51,760

for the leading lights of skepticism to

1134

00:48:49,119 --> 00:48:55,720

share their wisdom and to rally the

1135

00:48:51,760 --> 00:48:57,180

troops it's time for saikhan 2017 back

1136

00:48:55,719 --> 00:48:58,659

in Las Vegas

1137

00:48:57,179 --> 00:49:02,109

[Music]

1138

00:48:58,659 --> 00:49:05,179

October the 26th to the 29th joined

1139

00:49:02,110 --> 00:49:08,570

luminaries such as James the amazing

1140

00:49:05,179 --> 00:49:11,719

Randi Richard Dawkins Eugenie Scott the

1141
00:49:08,570 --> 00:49:14,539
skeptics guide to the universe susan

1142
00:49:11,719 --> 00:49:19,279
gerbic Harriet Hall Richard Wiseman

1143
00:49:14,539 --> 00:49:22,039
Carrie papi Joe Nickell and many many

1144
00:49:19,280 --> 00:49:24,860
more the master of ceremonies is none

1145
00:49:22,039 --> 00:49:26,809
other than George Harrap for the biggest

1146
00:49:24,860 --> 00:49:29,390
skeptics event of the year returning

1147
00:49:26,809 --> 00:49:31,699
triumphantly to the Excalibur Hotel and

1148
00:49:29,389 --> 00:49:35,059
Casino in Las Vegas the city of

1149
00:49:31,699 --> 00:49:37,579
illusions saikhan 2017 will be packed

1150
00:49:35,059 --> 00:49:40,369
with fascinating talks and presentations

1151
00:49:37,579 --> 00:49:43,639
dazzling entertainment and fun social

1152
00:49:40,369 --> 00:49:45,469
events with fellow skeptics this October

1153
00:49:43,639 --> 00:49:47,839
can get away from vague news and

1154
00:49:45,469 --> 00:49:52,159
conspiracy theories filling up your news

1155
00:49:47,840 --> 00:49:56,240
feeds at saikhan 2017 your alternative

1156
00:49:52,159 --> 00:50:00,879
to alternative facts for more

1157
00:49:56,239 --> 00:50:00,879
information visit www.gfi.com/webmonitor

1158
00:50:02,010 --> 00:50:13,680
[Music]

1159
00:50:19,789 --> 00:50:25,170
thank you for listening to the skeptic

1160
00:50:22,230 --> 00:50:26,909
zone now next week a very special series

1161
00:50:25,170 --> 00:50:29,639
of reports and interviews we have for

1162
00:50:26,909 --> 00:50:32,460
you Heidi Robertson the raw skeptic is

1163
00:50:29,639 --> 00:50:36,000
going to be reporting from starstuff the

1164
00:50:32,460 --> 00:50:38,460
astronomy our weekend in Byron Bay and

1165
00:50:36,000 --> 00:50:41,429
what a fascinating report it is at one

1166
00:50:38,460 --> 00:50:44,550
stage Heidi slips on a pair of virtual

1167
00:50:41,429 --> 00:50:49,319
reality goggles and goes for a walk on

1168
00:50:44,550 --> 00:50:51,660
the planet Mars it's wonderful stuff

1169

00:50:49,320 --> 00:50:54,630
from Heidi Robertson and some interviews

1170
00:50:51,659 --> 00:50:56,549
beside that coming up next week also I

1171
00:50:54,630 --> 00:50:58,619
interview Claire Klingenberg from the

1172
00:50:56,550 --> 00:51:01,289
Czech Republic who is involved this year

1173
00:50:58,619 --> 00:51:04,319
in putting together the European

1174
00:51:01,289 --> 00:51:06,300
skeptics Congress oh I wish I could go

1175
00:51:04,320 --> 00:51:07,980
to that but our reporter and president

1176
00:51:06,300 --> 00:51:09,870
of the strain skeptics Iran say give

1177
00:51:07,980 --> 00:51:13,289
will be there he'll be on hand lucky

1178
00:51:09,869 --> 00:51:15,900
Iran also part one of a series of

1179
00:51:13,289 --> 00:51:17,909
reports with Anne Reed from the National

1180
00:51:15,900 --> 00:51:20,639
Center for Science education based in

1181
00:51:17,909 --> 00:51:23,159
Oakland California I went along to the

1182
00:51:20,639 --> 00:51:25,230
National Center Oh last week I guess it

1183
00:51:23,159 --> 00:51:27,119

was all the week before sat down with

1184

00:51:25,230 --> 00:51:29,070

Anne to get a series of interviews about

1185

00:51:27,119 --> 00:51:31,920

the work of the National Center for

1186

00:51:29,070 --> 00:51:35,190

Science education when it comes to the

1187

00:51:31,920 --> 00:51:37,369

the good information about evolution

1188

00:51:35,190 --> 00:51:40,769

especially and also more recently

1189

00:51:37,369 --> 00:51:42,779

climate change science but of course

1190

00:51:40,769 --> 00:51:45,480

coming up in the weeks to come even more

1191

00:51:42,780 --> 00:51:48,210

interviews from Nexus including

1192

00:51:45,480 --> 00:51:50,610

interview with the Bob novella from the

1193

00:51:48,210 --> 00:51:52,920

skeptics guide to the universe thank you

1194

00:51:50,610 --> 00:51:55,920

to those people who keep supporting the

1195

00:51:52,920 --> 00:51:58,289

skeptic zone by patreon or micro

1196

00:51:55,920 --> 00:52:01,470

payments with PayPal I'm delighted to

1197

00:51:58,289 --> 00:52:03,119

say that owing to your generosity and

1198
00:52:01,469 --> 00:52:05,099
your continued support I was able to

1199
00:52:03,119 --> 00:52:09,210
send one of my reporters a brand new

1200
00:52:05,099 --> 00:52:11,960
microphone just this week so look

1201
00:52:09,210 --> 00:52:14,610
forward I won't tell you who it is oh

1202
00:52:11,960 --> 00:52:16,139
they can do that when they give their

1203
00:52:14,610 --> 00:52:18,180
first report with their new microphone

1204
00:52:16,139 --> 00:52:20,549
in fact I've been inspired I went to

1205
00:52:18,179 --> 00:52:22,829
Ikea today this is not a plug for IKEA

1206
00:52:20,550 --> 00:52:25,380
especially this certainly don't get any

1207
00:52:22,829 --> 00:52:30,610
money from them mm-hmm and I bought a

1208
00:52:25,380 --> 00:52:34,210
little a little collapsible cloth cube

1209
00:52:30,610 --> 00:52:36,640
it's very strange that only cost \$5 but

1210
00:52:34,210 --> 00:52:39,940
I'm going to in the next few days get

1211
00:52:36,639 --> 00:52:43,420
some acoustic foam fit out the interior

1212
00:52:39,940 --> 00:52:49,389
of this box this cube and make myself a

1213
00:52:43,420 --> 00:52:52,840
little little desk top voice recording

1214
00:52:49,389 --> 00:52:55,239
booth I guess you'd call it I'm gonna

1215
00:52:52,840 --> 00:52:57,100
have some fun with that why not and if

1216
00:52:55,239 --> 00:52:58,750
it's any good well I guess you'll hear

1217
00:52:57,099 --> 00:53:02,230
the results next week on the skeptics

1218
00:52:58,750 --> 00:53:04,780
urn but but until then until then this

1219
00:53:02,230 --> 00:53:11,320
is Richard Saunders signing off from

1220
00:53:04,780 --> 00:53:13,870
Sydney Australia you've been listening

1221
00:53:11,320 --> 00:53:17,860
to the skeptic zone podcast visit our

1222
00:53:13,869 --> 00:53:21,219
website at WWF tech zone TV for contacts

1223
00:53:17,860 --> 00:53:24,610
and archive of all episodes since 2008

1224
00:53:21,219 --> 00:53:26,649
and our online store please support the

1225
00:53:24,610 --> 00:53:30,010
skeptic zone by following us on twitter

1226

00:53:26,650 --> 00:53:32,619
at skeptic zone liking us on facebook

1227
00:53:30,010 --> 00:53:34,960
and leaving a review on itunes

1228
00:53:32,619 --> 00:53:37,750
you can also show your support by

1229
00:53:34,960 --> 00:53:41,260
subscribing via PayPal or as little as

1230
00:53:37,750 --> 00:53:43,449
99 cents a week the skeptic zone is an

1231
00:53:41,260 --> 00:53:45,370
independent production the views and

1232
00:53:43,449 --> 00:53:47,589
opinions expressed on the skeptic zone

1233
00:53:45,369 --> 00:53:50,469
and not necessarily those of Australian

1234
00:53:47,590 --> 00:53:53,280
skeptic League or any other skeptical

1235
00:53:50,469 --> 00:53:53,279
organisation