

**THE
SKEPTIC
ZONE
PODCAST**

www.skepticzone.tv

1
00:00:09,110 --> 00:00:05,960

[Music]

2
00:00:11,830 --> 00:00:09,120

welcome to the skeptic zone the podcast

3
00:00:13,910 --> 00:00:11,840

from Australia for science and reason

4
00:00:16,840 --> 00:00:13,920

[Music]

5
00:00:22,270 --> 00:00:16,850

[Applause]

6
00:00:24,830 --> 00:00:22,280

[Music]

7
00:00:29,080 --> 00:00:24,840

yes it's the skeptic zone podcast

8
00:00:32,089 --> 00:00:29,090

episode number 456 for the 16th of July

9
00:00:34,220 --> 00:00:32,099

2017 richardsaunders here with you from

10
00:00:36,799 --> 00:00:34,230

a beautifully cold and crisp and

11
00:00:39,470 --> 00:00:36,809

delightful Sydney Australia I do like

12
00:00:42,560 --> 00:00:39,480

this time of year and I do like the the

13
00:00:44,510 --> 00:00:42,570

wintry days in fact it's very cold

14

00:00:46,280 --> 00:00:44,520

across Australia and down in the self I

15

00:00:49,520 --> 00:00:46,290

noticed they're having quite a cold snap

16

00:00:51,500 --> 00:00:49,530

with record-breaking cold temperatures I

17

00:00:54,800 --> 00:00:51,510

think I'll have to have a skeptic zone

18

00:00:56,600 --> 00:00:54,810

expedition down there too to investigate

19

00:00:58,550 --> 00:00:56,610

but what's coming up on this week's

20

00:01:01,040 --> 00:00:58,560

episode we have a few short reports

21

00:01:02,390 --> 00:01:01,050

short interviews from Nexus the North

22

00:01:03,979 --> 00:01:02,400

East Conference of science and

23

00:01:06,469 --> 00:01:03,989

skepticism a couple of weeks ago in New

24

00:01:09,020 --> 00:01:06,479

York I catch up with Sharon from

25

00:01:13,219 --> 00:01:09,030

guerrilla skepticism on Wikipedia and

26

00:01:15,020 --> 00:01:13,229

also I chat to dr. Harriet Hall now

27

00:01:17,450 --> 00:01:15,030

Harriet gave such an interesting talk at

28

00:01:19,719 --> 00:01:17,460

the convention and during her talk she

29

00:01:22,639 --> 00:01:19,729

mentioned a book called nibbling on

30

00:01:26,420 --> 00:01:22,649

Einstein's brain the good the bad and

31

00:01:26,899 --> 00:01:26,430

the bogus in science by Diane Swanson

32

00:01:30,380 --> 00:01:26,909

and

33

00:01:33,740 --> 00:01:30,390

I have a copy of the book right here

34

00:01:36,230 --> 00:01:33,750

because as soon as she recommended it

35

00:01:40,520 --> 00:01:36,240

during her talk I went online and I

36

00:01:43,460 --> 00:01:40,530

bought myself a copy and I think next

37

00:01:44,719 --> 00:01:43,470

week's episode we'll have a review just

38

00:01:48,289 --> 00:01:44,729

flipping through it now it looks really

39

00:01:52,399 --> 00:01:48,299

good it's all about critical thinking

40

00:01:55,100 --> 00:01:52,409

and science for children fantastic thank

41

00:01:58,250 --> 00:01:55,110

you dr. hall for recommending that book

42

00:02:00,859 --> 00:01:58,260

anyway a chat with Sharon from guerrilla

43

00:02:02,600 --> 00:02:00,869

skepticism on Wikipedia and Harriet hall

44

00:02:05,030 --> 00:02:02,610

coming up at the top of the show

45

00:02:08,960 --> 00:02:05,040

following that it's brouhaha science

46

00:02:12,259 --> 00:02:08,970

this week AI artificial intelligence in

47

00:02:14,660 --> 00:02:12,269

the home possibly saving lives a very

48

00:02:17,690 --> 00:02:14,670

interesting and slightly spooky but

49

00:02:19,670 --> 00:02:17,700

slightly good report then it's dr.

50

00:02:22,550 --> 00:02:19,680

Ritchie reports with the dr. Rachel

51
00:02:26,590 --> 00:02:22,560
Dunlop this week dr. Ratey interviews

52
00:02:31,280 --> 00:02:26,600
Craig Egan about his activities

53
00:02:33,530 --> 00:02:31,290
following the VAX bus the vac bus this

54
00:02:34,530 --> 00:02:33,540
is the facts this is this pseudo

55
00:02:37,170 --> 00:02:34,540
documentary

56
00:02:41,849 --> 00:02:37,180
together by andrew wakefield and a bunch

57
00:02:45,209 --> 00:02:41,859
of by andrew wakefield and his friends

58
00:02:49,679 --> 00:02:45,219
and craig apparently is following the

59
00:02:51,630 --> 00:02:49,689
vexed bus around the united states to to

60
00:02:54,679 --> 00:02:51,640
put his point of view to refute some of

61
00:02:58,130 --> 00:02:54,689
the information coming out about that

62
00:03:01,069 --> 00:02:58,140
documentary I think you'll find Craig's

63
00:03:05,190 --> 00:03:01,079

enthusiasm when he chats to dr. Richie

64

00:03:07,559 --> 00:03:05,200

infectious if I may use that term anyway

65

00:03:10,259 --> 00:03:07,569

dr. Reggie reports coming up a bit later

66

00:03:11,849 --> 00:03:10,269

on in the show after that a report from

67

00:03:14,360 --> 00:03:11,859

the Australian skeptics about the

68

00:03:18,330 --> 00:03:14,370

therapeutics Goods Administration

69

00:03:21,420 --> 00:03:18,340

publishing a draft list of permitted

70

00:03:23,369 --> 00:03:21,430

indications for listed complementary

71

00:03:24,869 --> 00:03:23,379

medicines now some of the terms that

72

00:03:28,349 --> 00:03:24,879

they're throwing about include things

73

00:03:31,530 --> 00:03:28,359

like yin and yang and gives you some

74

00:03:34,559 --> 00:03:31,540

idea what can we expect from the

75

00:03:36,449 --> 00:03:34,569

government hopefully none anyway that

76

00:03:39,390 --> 00:03:36,459

report coming up a little bit later on

77

00:03:41,069 --> 00:03:39,400

in the show then to round off the show

78

00:03:43,710 --> 00:03:41,079

it's guest reporter Kevin Davies

79

00:03:47,610 --> 00:03:43,720

interviewing professor John Carver from

80

00:03:49,559 --> 00:03:47,620

the research school of chemistry at the

81

00:03:51,659 --> 00:03:49,569

Australian National University and

82

00:03:54,449 --> 00:03:51,669

professor Carver is going to be telling

83

00:03:56,879 --> 00:03:54,459

Kevin about the misconceptions when it

84

00:03:59,909 --> 00:03:56,889

comes to chemicals chemicals are

85

00:04:02,039 --> 00:03:59,919

everywhere is anything really chemical

86

00:04:04,860 --> 00:04:02,049

free find out when Kevin Davies

87

00:04:06,420 --> 00:04:04,870

interviews professor John Carver and a

88

00:04:09,360 --> 00:04:06,430

big THANK YOU to Kevin Davies who

89

00:04:11,849 --> 00:04:09,370

occasionally does some guest reporting

90

00:04:13,439 --> 00:04:11,859

much appreciated well that's enough for

91

00:04:17,039 --> 00:04:13,449

me at the moment I'm gonna run

92

00:04:20,360 --> 00:04:17,049

downstairs have another glass of hot

93

00:04:22,649 --> 00:04:20,370

water it's an empty glass hot water and

94

00:04:24,719 --> 00:04:22,659

ginger because my throat's still a

95

00:04:27,659 --> 00:04:24,729

little bit mmm

96

00:04:30,330 --> 00:04:27,669

dry I'm not sure what's going on when I

97

00:04:32,520 --> 00:04:30,340

fly across the Pacific from California

98

00:04:34,710 --> 00:04:32,530

back home well when I fly anywhere

99

00:04:36,480 --> 00:04:34,720

really long flights tend to dry out the

100

00:04:39,600 --> 00:04:36,490

throat done really back I'm nearly back

101
00:04:43,649 --> 00:04:39,610
to her together to normal if I ever

102
00:04:45,390 --> 00:04:43,659
really was I'm gonna run downstairs have

103
00:04:48,480 --> 00:04:45,400
some more hot water and ginger to serve

104
00:04:50,620 --> 00:04:48,490
the sore throat and all I'm doing that I

105
00:05:10,310 --> 00:04:50,630
you enjoy the skeptic zone

106
00:05:12,510 --> 00:05:10,320
[Music]

107
00:05:14,820 --> 00:05:12,520
it's the first day well they're really

108
00:05:18,620 --> 00:05:14,830
it's the second day of Northeast

109
00:05:20,490 --> 00:05:18,630
Conference of science and skepticism I

110
00:05:21,840 --> 00:05:20,500
don't know what's going on in the other

111
00:05:23,370 --> 00:05:21,850
room we'll find out soon

112
00:05:25,500 --> 00:05:23,380
I'm with Sharon from guerrilla

113
00:05:27,750 --> 00:05:25,510

skepticism hello hello

114

00:05:30,300 --> 00:05:27,760

it's the voice you know folks from the

115

00:05:32,840 --> 00:05:30,310

it never ends you've heard me on the

116

00:05:36,480 --> 00:05:32,850

podcast before I do the promo

117

00:05:38,970 --> 00:05:36,490

so what's it what's it like being part

118

00:05:40,530 --> 00:05:38,980

of the guerrilla skepticism outfit well

119

00:05:43,500 --> 00:05:40,540

Susan definitely keeps us on our toes

120

00:05:45,150 --> 00:05:43,510

all the time she's always telling me

121

00:05:50,400 --> 00:05:45,160

that I need to get in there and keep

122

00:05:51,570 --> 00:05:50,410

working on my edits so yes and you get

123

00:05:53,610 --> 00:05:51,580

feel like you're doing a lot of good

124

00:05:56,060 --> 00:05:53,620

this is a side of Susan I didn't know

125

00:06:00,180 --> 00:05:56,070

about she's a bit of a hard taskmaster

126

00:06:03,020 --> 00:06:00,190

she does keep on us definitely so she

127

00:06:06,270 --> 00:06:03,030

should because but it's it's an amazing

128

00:06:08,220 --> 00:06:06,280

outfit and the work is never-ending huh

129

00:06:10,050 --> 00:06:08,230

oh yeah that's absolutely true I mean

130

00:06:12,030 --> 00:06:10,060

there's so many new things to write

131

00:06:14,610 --> 00:06:12,040

about and then always keeping track of

132

00:06:17,220 --> 00:06:14,620

what you know is being edited on your

133

00:06:19,410 --> 00:06:17,230

websites or your Wikipedia pages that

134

00:06:22,800 --> 00:06:19,420

you know you want to make sure that the

135

00:06:24,720 --> 00:06:22,810

the truth is out there so I guess we

136

00:06:26,130 --> 00:06:24,730

should give a shout out to Susan who I'm

137

00:06:28,230 --> 00:06:26,140

sure would have loved to have been here

138

00:06:29,880 --> 00:06:28,240

oh I know she would yeah she was

139

00:06:31,650 --> 00:06:29,890

constantly saying how much he was like

140

00:06:33,270 --> 00:06:31,660

disappointed that she wasn't going to be

141

00:06:36,990 --> 00:06:33,280

here as well but we'll see her at

142

00:06:38,400 --> 00:06:37,000

saikhan oh I would like to go to saikhan

143

00:06:39,960 --> 00:06:38,410

but I don't think I can make that one

144

00:06:43,710 --> 00:06:39,970

unfortunately but I'm glad she will be

145

00:06:44,340 --> 00:06:43,720

and you too yes I will and that's in Las

146

00:06:47,100 --> 00:06:44,350

Vegas

147

00:06:48,870 --> 00:06:47,110

yeah yeah and I do miss going to Las

148

00:06:51,090 --> 00:06:48,880

Vegas because because the amazing

149

00:06:53,070 --> 00:06:51,100

meeting is no longer happening well this

150

00:06:54,720 --> 00:06:53,080

is taking its place

151

00:06:56,910 --> 00:06:54,730

I wouldn't yes taking its place to

152

00:06:59,420 --> 00:06:56,920

substitute know this sort of it's it's

153

00:07:02,720 --> 00:06:59,430

the next best writer

154

00:07:04,730 --> 00:07:02,730

yeah I never made it to any Tam so I I

155

00:07:06,320 --> 00:07:04,740

don't know how to compare it but it

156

00:07:07,820 --> 00:07:06,330

looks the program looks like it's gonna

157

00:07:10,310 --> 00:07:07,830

be really interesting that does and the

158

00:07:14,960 --> 00:07:10,320

program for this event we're actually

159

00:07:16,670 --> 00:07:14,970

we're in the the emergency a alternative

160

00:07:18,350 --> 00:07:16,680

room because there was a bit of a fire

161

00:07:22,130 --> 00:07:18,360

situation where we were supposed to meet

162

00:07:23,750 --> 00:07:22,140

with Nexus so we're in the Pennsylvania

163

00:07:27,080 --> 00:07:23,760

hotel office at Madison Square Garden

164

00:07:28,970 --> 00:07:27,090

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

165

00:07:35,320 --> 00:07:28,980

we just passed the registration area and

166

00:07:38,210 --> 00:07:35,330

we're walking into the auditorium now my

167

00:07:41,780 --> 00:07:38,220

goodness and me this is a surprise this

168

00:07:43,160 --> 00:07:41,790

is I will have to get a little trolley

169

00:07:45,830 --> 00:07:43,170

to get down to the other end I think

170

00:07:49,310 --> 00:07:45,840

this is huge this is much bigger than I

171

00:07:51,170 --> 00:07:49,320

anticipated so and the crowd are

172

00:07:54,620 --> 00:07:51,180

beginning to take their seats down the

173

00:07:56,710 --> 00:07:54,630

far end right near the stage and if we

174

00:07:59,200 --> 00:07:56,720

keep walking long enough we'll reach

175

00:08:01,910 --> 00:07:59,210

we'll get to the front eventually and

176
00:08:04,100 --> 00:08:01,920
they've got big screen setup and cameras

177
00:08:07,220 --> 00:08:04,110
so people all the way back let me have a

178
00:08:10,130 --> 00:08:07,230
look down here way back to the back of

179
00:08:14,150 --> 00:08:10,140
the room so everybody will be off to get

180
00:08:16,160 --> 00:08:14,160
a good view of the of what's going on so

181
00:08:19,600 --> 00:08:16,170
I think they did very well to get this I

182
00:08:23,810 --> 00:08:19,610
think they did very well well we should

183
00:08:26,330 --> 00:08:23,820
prepare for the next few days of music

184
00:08:30,440 --> 00:08:26,340
apparently

185
00:08:35,000 --> 00:08:33,020
or the crowd gathering behind us I'm

186
00:08:37,670 --> 00:08:35,010
here at the the front of the auditorium

187
00:08:42,230 --> 00:08:37,680
with dr. Harriet hall hello Harry hello

188
00:08:44,090 --> 00:08:42,240

Richard impromptu interview this is it's

189

00:08:47,260 --> 00:08:44,100

an impromptu interview impromptu

190

00:08:51,170 --> 00:08:47,270

intervention I just wanted to say that

191

00:08:52,940 --> 00:08:51,180

what how how grateful I am that you did

192

00:08:54,980 --> 00:08:52,950

that series of videos since we advertise

193

00:08:57,230 --> 00:08:54,990

frequently on the skeptic zone science

194

00:08:59,780 --> 00:08:57,240

based medicine and I'm sure my listen is

195

00:09:03,680 --> 00:08:59,790

a very familiar with this series by now

196

00:09:06,290 --> 00:09:03,690

and there was what two years one year

197

00:09:08,180 --> 00:09:06,300

when how long have did you do those I

198

00:09:10,730 --> 00:09:08,190

lose track which I must have been two

199

00:09:12,860 --> 00:09:10,740

years ago sounds about right to me and

200

00:09:14,450 --> 00:09:12,870

in that in that time since it's been

201
00:09:16,550 --> 00:09:14,460
online what has been the general

202
00:09:18,410 --> 00:09:16,560
reaction well I've gotten all kinds of

203
00:09:20,690 --> 00:09:18,420
wonderful feedbacks from several

204
00:09:22,940 --> 00:09:20,700
different countries around the world and

205
00:09:25,100 --> 00:09:22,950
one from a lady in Denmark who said her

206
00:09:26,780 --> 00:09:25,110
autistic daughter had watched it and was

207
00:09:28,220 --> 00:09:26,790
really impressed she says that lady

208
00:09:31,010 --> 00:09:28,230
really says it like it is

209
00:09:33,020 --> 00:09:31,020
well I must I must say that she's right

210
00:09:35,420 --> 00:09:33,030
and it's one of the delights of your

211
00:09:38,740 --> 00:09:35,430
video series is you call it as it is

212
00:09:42,310 --> 00:09:38,750
which is quite quite charming in a way

213
00:09:45,320 --> 00:09:42,320

but you must you must have had some

214

00:09:49,010 --> 00:09:45,330

surprising shall we say negative

215

00:09:51,770 --> 00:09:49,020

feedback too not so much of the video

216

00:09:53,870 --> 00:09:51,780

series I get a lot of negative emails on

217

00:09:57,830 --> 00:09:53,880

these articles that I write for science

218

00:09:59,990 --> 00:09:57,840

based medicine but sometimes the

219

00:10:02,240 --> 00:10:00,000

feedback I get it's really pretty

220

00:10:03,920 --> 00:10:02,250

meaningless they say things like you

221

00:10:05,750 --> 00:10:03,930

don't know what you're talking about you

222

00:10:08,240 --> 00:10:05,760

should stop saying those things I mean

223

00:10:08,780 --> 00:10:08,250

Everwood how do you respond to something

224

00:10:12,320 --> 00:10:08,790

like that

225

00:10:14,660 --> 00:10:12,330

yeah well anyway again thank you for

226

00:10:19,040 --> 00:10:14,670

doing that video series I think it's a

227

00:10:21,020 --> 00:10:19,050

wonderful overview of not only things

228

00:10:23,120 --> 00:10:21,030

like homeopathy and energy medicine and

229

00:10:24,680 --> 00:10:23,130

chiropractic which you talked about but

230

00:10:26,930 --> 00:10:24,690

the general principles of science-based

231

00:10:29,510 --> 00:10:26,940

medicine I can't recommend it highly

232

00:10:32,120 --> 00:10:29,520

enough well thank you very much I tried

233

00:10:33,650 --> 00:10:32,130

to distill into that presentation all of

234

00:10:35,720 --> 00:10:33,660

what I've learned since I've been

235

00:10:37,880 --> 00:10:35,730

working with science-based medicine I

236

00:10:41,700 --> 00:10:37,890

have learned a lot believe me

237

00:10:53,410 --> 00:10:41,710

I believe it okay thank you Richard

238

00:11:00,530 --> 00:10:57,500

dr. Harriet Hall MD no into thousands as

239

00:11:03,650 --> 00:11:00,540

the skeptic a retired family physician

240

00:11:05,720 --> 00:11:03,660

and former Air Force flight surgeon she

241

00:11:07,420 --> 00:11:05,730

writes about medicine so-called

242

00:11:11,290 --> 00:11:07,430

complementary and alternative medicine

243

00:11:14,390 --> 00:11:11,300

science quackery and critical thinking

244

00:11:16,640 --> 00:11:14,400

Harriet now has a free course a series

245

00:11:20,000 --> 00:11:16,650

of 10 video lectures on science-based

246

00:11:22,010 --> 00:11:20,010

medicine and alternative medicine the

247

00:11:24,140 --> 00:11:22,020

videos and an accompanying course guide

248

00:11:28,100 --> 00:11:24,150

can be found by following the link at

249

00:11:30,610 --> 00:11:28,110

skeptic dot info or by visiting web

250

00:11:35,900 --> 00:11:30,620

Randi's org slash

251
00:11:38,330 --> 00:11:35,910
educational - modules dot html' topics

252
00:11:40,970 --> 00:11:38,340
covered in the series are science-based

253
00:11:44,590 --> 00:11:40,980
medicine vs. evidence-based medicine

254
00:11:47,870 --> 00:11:44,600
what is Kam chiropractic acupuncture

255
00:11:50,660 --> 00:11:47,880
homeopathy naturopathy and herbal

256
00:11:53,390 --> 00:11:50,670
medicine energy medicine miscellaneous

257
00:11:56,360 --> 00:11:53,400
alternatives pitfalls in research and

258
00:12:00,140 --> 00:11:56,370
science based medicine in the media and

259
00:12:02,720 --> 00:12:00,150
politics Harriette covers each topic in

260
00:12:05,990 --> 00:12:02,730
a matter-of-fact no-nonsense way that

261
00:12:07,610 --> 00:12:06,000
shorter educate and entertain skeptic

262
00:12:22,410 --> 00:12:07,620
dot info

263
00:12:26,050 --> 00:12:22,420

[Music]

264

00:12:28,930 --> 00:12:26,060
and now direct from the cafe and

265

00:12:31,690 --> 00:12:28,940
Australia's Science Channel its brouhaha

266

00:12:38,700 --> 00:12:31,700
science in less time that it takes to

267

00:12:43,090 --> 00:12:41,230
heartbreaking situation was avoided with

268

00:12:45,430 --> 00:12:43,100
the help of technology recently in the

269

00:12:47,200 --> 00:12:45,440
United States an artificially

270

00:12:49,000 --> 00:12:47,210
intelligent device was accidentally

271

00:12:51,610 --> 00:12:49,010
prompted to call law enforcement during

272

00:12:53,950 --> 00:12:51,620
a domestic violence incident when the

273

00:12:55,720 --> 00:12:53,960
phone call connected emergency services

274

00:12:58,360 --> 00:12:55,730
could hear the conflict and sent police

275

00:13:00,850 --> 00:12:58,370
officers when they arrived they stepped

276
00:13:03,600 --> 00:13:00,860
in broke up the struggle and potentially

277
00:13:06,220 --> 00:13:03,610
saved the life of a woman and a child

278
00:13:08,350 --> 00:13:06,230
the device that saved the day wasn't

279
00:13:11,170 --> 00:13:08,360
designed to do so but we're so glad it

280
00:13:14,230 --> 00:13:11,180
did technology continues to improve our

281
00:13:15,760 --> 00:13:14,240
lives in ways we didn't expect domestic

282
00:13:18,430 --> 00:13:15,770
violence is where AI could make a

283
00:13:20,350 --> 00:13:18,440
dramatic impact far too often

284
00:13:22,480 --> 00:13:20,360
victims of domestic violence don't or

285
00:13:25,330 --> 00:13:22,490
aren't able to report their abuse or

286
00:13:26,950 --> 00:13:25,340
their abuses and when they do find a way

287
00:13:30,130 --> 00:13:26,960
to tell someone their reports are

288
00:13:31,990 --> 00:13:30,140

treated with suspicion an artificially

289

00:13:34,780 --> 00:13:32,000

intelligent system can turn shades of

290

00:13:36,730 --> 00:13:34,790

grey into black and white hey I won't

291

00:13:39,010 --> 00:13:36,740

give anyone a second chance or the

292

00:13:40,690 --> 00:13:39,020

benefit of the doubt and a hard drive

293

00:13:45,000 --> 00:13:40,700

will remember exactly what happened

294

00:13:59,400 --> 00:13:48,370

for more brouhaha and australian science

295

00:13:59,410 --> 00:14:08,850

[Music]

296

00:14:14,850 --> 00:14:12,110

hey Richard oh hi Trisha

297

00:14:16,500 --> 00:14:14,860

Wow would you like a coffee yeah thanks

298

00:14:18,450 --> 00:14:16,510

what you're working on I'm trying to

299

00:14:21,300 --> 00:14:18,460

come up with a new promo to play on the

300

00:14:23,190 --> 00:14:21,310

sceptic zone who's it for the good

301
00:14:25,500 --> 00:14:23,200
thinking Society in the UK you know

302
00:14:27,450 --> 00:14:25,510
Michael Marshall Simon Singh Laura

303
00:14:29,070 --> 00:14:27,460
Thomas into that Club oh yeah I know

304
00:14:31,550 --> 00:14:29,080
them they've been doing some great work

305
00:14:34,260 --> 00:14:31,560
investigating the veterinary homeopathy

306
00:14:36,750 --> 00:14:34,270
veterinary homeopathy what you sugarpill

307
00:14:37,710 --> 00:14:36,760
this for cows I know right and also

308
00:14:39,980 --> 00:14:37,720
they're looking at some of the dodgy

309
00:14:42,360 --> 00:14:39,990
medical advice given by UK chiropractors

310
00:14:45,390 --> 00:14:42,370
really ok look but I'll mention all that

311
00:14:50,040 --> 00:14:45,400
in the promo now their website is good

312
00:14:51,750 --> 00:14:50,050
thinking society and they've recently

313
00:14:54,240 --> 00:14:51,760

been reporting on the resurgence of

314

00:14:54,960 --> 00:14:54,250

faith healer peter Popoff you know right

315

00:14:56,340 --> 00:14:54,970

ok look

316

00:15:06,090 --> 00:14:56,350

thanks to that it gives me something

317

00:15:11,790 --> 00:15:06,100

good to think about now it's time for

318

00:15:17,489 --> 00:15:14,699

hello listeners and welcome to dr. Ratey

319

00:15:19,979 --> 00:15:17,499

reports well this week I speak to Craig

320

00:15:22,350 --> 00:15:19,989

Egan who is a pro back scene activist

321

00:15:25,049 --> 00:15:22,360

who has been following the faxed bus

322

00:15:27,030 --> 00:15:25,059

around America simply doing some

323

00:15:29,549 --> 00:15:27,040

protesting by holding up a sign and just

324

00:15:31,619 --> 00:15:29,559

sort of being there to remind them that

325

00:15:33,239 --> 00:15:31,629

they might be misinformed in the

326

00:15:35,579 --> 00:15:33,249

information that they're spreading

327

00:15:37,949 --> 00:15:35,589

around the country and we met up in

328

00:15:40,470 --> 00:15:37,959

Jackson Wyoming when he was halfway

329

00:15:45,210 --> 00:15:40,480

through his tour to talk about what was

330

00:15:48,869 --> 00:15:45,220

happening and here he is Craig Egan so

331

00:15:52,009 --> 00:15:48,879

I'm sitting in the lab here in Jackson

332

00:15:54,299 --> 00:15:52,019

Wyoming with the wonderful and amazing

333

00:15:57,530 --> 00:15:54,309

SuperDuper farmer she'll crank egan

334

00:16:00,989 --> 00:15:57,540

hello Craig welcome to the skeptic zone

335

00:16:02,189 --> 00:16:00,999

this is incredible right so I didn't

336

00:16:04,590 --> 00:16:02,199

really know much about what you've been

337

00:16:07,229 --> 00:16:04,600

doing but you are following the vexed

338

00:16:10,139 --> 00:16:07,239

bus around America yeah it's holding

339

00:16:12,059 --> 00:16:10,149

them to account I guess and I really

340

00:16:13,859 --> 00:16:12,069

only found out about this last night and

341

00:16:15,780 --> 00:16:13,869

you happen to be in Idaho Falls which is

342

00:16:17,669 --> 00:16:15,790

90 minutes away so you've come to town

343

00:16:19,619 --> 00:16:17,679

we're gonna go out and have some dinner

344

00:16:22,439 --> 00:16:19,629

and you can tell me all about what's

345

00:16:25,379 --> 00:16:22,449

been happening on the backs bus tour so

346

00:16:28,319 --> 00:16:25,389

tell me how this actually started it

347

00:16:33,269 --> 00:16:28,329

started like most of my grand adventures

348

00:16:35,999 --> 00:16:33,279

as a joke I've been arguing with

349

00:16:36,449 --> 00:16:36,009

anti-vaxxers on Facebook for about five

350

00:16:38,789 --> 00:16:36,459

years

351
00:16:40,379 --> 00:16:38,799
yeah and I knew the backs bus was going

352
00:16:42,780 --> 00:16:40,389
around the country and I knew what their

353
00:16:44,369 --> 00:16:42,790
mission was but they were coming through

354
00:16:47,309 --> 00:16:44,379
my town where I live in Tacoma

355
00:16:49,710 --> 00:16:47,319
Washington and setting up camp Lane

356
00:16:51,059 --> 00:16:49,720
literally like six blocks away so there

357
00:16:52,499 --> 00:16:51,069
was something I just couldn't ignore you

358
00:16:56,909 --> 00:16:52,509
know they're gonna be that close to my

359
00:17:00,569 --> 00:16:56,919
house yeah so I got myself a sign you

360
00:17:03,150 --> 00:17:00,579
know pen on poster board sign and went

361
00:17:05,309 --> 00:17:03,160
down to protest them maybe have some

362
00:17:07,289 --> 00:17:05,319
conversations which I did but the first

363
00:17:11,039 --> 00:17:07,299

conversation I really had was with a

364

00:17:14,220 --> 00:17:11,049

news reporter for the television news

365

00:17:16,289 --> 00:17:14,230

and so I was like well that was easy a

366

00:17:18,960 --> 00:17:16,299

kid hugging TV and you know get my voice

367

00:17:20,879 --> 00:17:18,970

heard a little bit at least and so I

368

00:17:21,929 --> 00:17:20,889

went home and I look at the rest of the

369

00:17:23,429 --> 00:17:21,939

schedule to see they were going to

370

00:17:25,230 --> 00:17:23,439

because they're going to Seattle which

371

00:17:27,360 --> 00:17:25,240

was also very close and then some

372

00:17:29,010 --> 00:17:27,370

their towns in Washington and I just

373

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

kind of offhand made the joke what if I

374

00:17:34,799 --> 00:17:30,160

followed him around like they were the

375

00:17:36,750 --> 00:17:34,809

Grateful Dead leave it out my little

376

00:17:39,960 --> 00:17:36,760

tent right next to them every time they

377

00:17:41,250 --> 00:17:39,970

I did it and one thing led to another

378

00:17:44,040 --> 00:17:41,260

some people were like hey I would

379

00:17:45,270 --> 00:17:44,050

totally chip in for that and so I was

380

00:17:47,549 --> 00:17:45,280

like okay if people are demanding it

381

00:17:49,710 --> 00:17:47,559

I'll put up a GoFundMe and the GoFundMe

382

00:17:51,500 --> 00:17:49,720

got like seven thousand dollars in three

383

00:17:55,080 --> 00:17:51,510

days

384

00:17:56,400 --> 00:17:55,090

yeah right yeah and and humbling cuz

385

00:17:59,700 --> 00:17:56,410

they're definitely go fund me is out

386

00:18:01,530 --> 00:17:59,710

there better way more deserve but I'm

387

00:18:03,450 --> 00:18:01,540

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

388

00:18:07,440 --> 00:18:03,460

trying to gather so we're going I've

389

00:18:08,700 --> 00:18:07,450

been to Montana Idaho many stops in

390

00:18:11,610 --> 00:18:08,710

Washington we're going to be going to

391

00:18:15,720 --> 00:18:11,620

Kansas and Missouri and Minneapolis and

392

00:18:17,100 --> 00:18:15,730

Des Moines really all over so so what's

393

00:18:18,690 --> 00:18:17,110

the reaction being like from the

394

00:18:22,169 --> 00:18:18,700

anti-vaxxers because you were already

395

00:18:24,510 --> 00:18:22,179

known to them right oh yes many of them

396

00:18:27,750 --> 00:18:24,520

yes so tell us who is on this vexed bus

397

00:18:31,770 --> 00:18:27,760

- at first so every stop you've got

398

00:18:34,890 --> 00:18:31,780

Suzanne Humphreys you've got Paulie

399

00:18:36,870 --> 00:18:34,900

Tommy who produces the movie and then on

400

00:18:38,760 --> 00:18:36,880

select occasions Andrew Wakefield

401
00:18:40,290 --> 00:18:38,770
himself will show up and do it on a yeah

402
00:18:41,580 --> 00:18:40,300
so I actually sat in a room with Andrew

403
00:18:45,419 --> 00:18:41,590
Wakefield and Washington answer

404
00:18:46,740 --> 00:18:45,429
questions Wow and it's the weirdest

405
00:18:48,450 --> 00:18:46,750
feeling it's like the opposite of

406
00:18:50,220 --> 00:18:48,460
starstruck you know what I mean it's

407
00:18:52,590 --> 00:18:50,230
like these people that you've known you

408
00:18:55,380 --> 00:18:52,600
know has not a celebrity but isn't you

409
00:18:56,760 --> 00:18:55,390
know a villain if you know for a long

410
00:18:59,010 --> 00:18:56,770
time and to be in the room with three of

411
00:19:01,260 --> 00:18:59,020
them you know watch you in Q&A it's kind

412
00:19:03,930 --> 00:19:01,270
of surreal and what's their reaction to

413
00:19:06,240 --> 00:19:03,940

you being like have they been aggressive

414

00:19:08,250 --> 00:19:06,250

or upset or do they just ignore you

415

00:19:09,720 --> 00:19:08,260

what's happened so they they have not

416

00:19:10,980 --> 00:19:09,730

been aggressive one of them actually

417

00:19:12,360 --> 00:19:10,990

brought me a bottle of water when I was

418

00:19:17,900 --> 00:19:12,370

standing in the heat on one of the first

419

00:19:20,880 --> 00:19:17,910

fence tops it's it's the some of the

420

00:19:22,320 --> 00:19:20,890

attendees have been a little more not

421

00:19:24,630 --> 00:19:22,330

aggressive but definitely

422

00:19:26,669 --> 00:19:24,640

confrontational with me I've gone to

423

00:19:28,890 --> 00:19:26,679

some I've got some discussions I've got

424

00:19:32,820 --> 00:19:28,900

some arguments but it's all been mostly

425

00:19:36,930 --> 00:19:32,830

civil the reaction online is

426

00:19:38,669 --> 00:19:36,940

way outta trouble everybody

427

00:19:40,289 --> 00:19:38,679

they think I'm attacking their children

428

00:19:41,730 --> 00:19:40,299

they think I'm there to videotape their

429

00:19:44,220 --> 00:19:41,740

children I'm a slim sir child predator

430

00:19:46,009 --> 00:19:44,230

they think I'm being simultaneous they

431

00:19:48,269 --> 00:19:46,019

simultaneously claim that I'm absolutely

432

00:19:52,220 --> 00:19:48,279

disorganized an amateur which is true

433

00:19:55,110 --> 00:19:52,230

but I'm also being funded by Big Pharma

434

00:19:57,149 --> 00:19:55,120

how they can second Sal yeah those two

435

00:19:59,399 --> 00:19:57,159

so this is and then something that this

436

00:20:01,470 --> 00:19:59,409

is the best pharma can send I'm not

437

00:20:03,090 --> 00:20:01,480

being said by anybody who does they do

438

00:20:05,279 --> 00:20:03,100

too got a funny idea you know if Big

439

00:20:07,139 --> 00:20:05,289

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

440

00:20:08,759 --> 00:20:07,149

can they just in one bloke would they oh

441

00:20:09,960 --> 00:20:08,769

you have a friend with you though I do I

442

00:20:11,909 --> 00:20:09,970

do have a friend of me but he's not

443

00:20:14,940 --> 00:20:11,919

really part of the fight he's just there

444

00:20:16,649 --> 00:20:14,950

to hold the camera this guy stays out of

445

00:20:18,360 --> 00:20:16,659

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

446

00:20:20,789 --> 00:20:18,370

much trouble so what do you actually do

447

00:20:22,409 --> 00:20:20,799

do you go to the screenings or do you

448

00:20:25,320 --> 00:20:22,419

stand at the front or what do you do yes

449

00:20:27,870 --> 00:20:25,330

so um the way their tour is mostly set

450

00:20:30,570 --> 00:20:27,880

up is they will just basically pull up

451
00:20:33,720 --> 00:20:30,580
the bus to put up a couple of um you

452
00:20:35,399 --> 00:20:33,730
know like a booth tents you know we

453
00:20:36,690 --> 00:20:35,409
cover a table and they've got to merge

454
00:20:39,720 --> 00:20:36,700
lot of merch there there's going to

455
00:20:43,889 --> 00:20:39,730
shirts but sewing uh hats and then they

456
00:20:45,029 --> 00:20:43,899
call be a show but right but really what

457
00:20:46,860 --> 00:20:45,039
they're doing is they're bringing people

458
00:20:49,590 --> 00:20:46,870
onto the bus and hearing their stories

459
00:20:52,560 --> 00:20:49,600
and so they're collecting stories from

460
00:20:54,740 --> 00:20:52,570
people who either are convinced that

461
00:20:57,870 --> 00:20:54,750
vaccines damaged the child in some way

462
00:21:00,539 --> 00:20:57,880
or now they're expanding that out to

463
00:21:03,060 --> 00:21:00,549

where families are coming in and

464

00:21:04,980 --> 00:21:03,070

bringing their vaccinated and

465

00:21:06,120 --> 00:21:04,990

unvaccinated children in and saying look

466

00:21:08,850 --> 00:21:06,130

at the health differences between my

467

00:21:10,590 --> 00:21:08,860

backs naked and my unvaccinated kid and

468

00:21:14,490 --> 00:21:10,600

so it's very well controlled and

469

00:21:18,330 --> 00:21:14,500

scientifically run there's no selection

470

00:21:19,710 --> 00:21:18,340

bias at work here at all and and

471

00:21:22,529 --> 00:21:19,720

honestly it's it's actually really

472

00:21:25,680 --> 00:21:22,539

disturbing to me I will I will I got 20

473

00:21:28,379 --> 00:21:25,690

bucks on a bet that more damage is being

474

00:21:30,000 --> 00:21:28,389

done to those kids by bringing on a bus

475

00:21:32,730 --> 00:21:30,010

and introducing them as their damaged

476
00:21:33,600 --> 00:21:32,740
kid than any vaccines have ever cost you

477
00:21:35,220 --> 00:21:33,610
know what I mean I think it's just

478
00:21:36,960 --> 00:21:35,230
really kind of gross I find that really

479
00:21:40,289 --> 00:21:36,970
disturbing there's a guy in Australia

480
00:21:41,549 --> 00:21:40,299
who was a hero amongst the anti-vaxxers

481
00:21:45,480 --> 00:21:41,559
for a few months and now he's not

482
00:21:48,930 --> 00:21:45,490
anymore but he's got two or three grown

483
00:21:50,430 --> 00:21:48,940
males kids and he declared recently that

484
00:21:52,560 --> 00:21:50,440
they were vaccine damaged and I was

485
00:21:54,840 --> 00:21:52,570
thinking imagine if that was me

486
00:21:56,310 --> 00:21:54,850
Yama if my mum turned around tomorrow

487
00:21:58,530 --> 00:21:56,320
and said oh by the way your vaccine

488
00:21:59,160 --> 00:21:58,540

damaged I think I'd be horrified yeah

489

00:22:01,650 --> 00:21:59,170

absolutely

490

00:22:04,020 --> 00:22:01,660

I just I really that's really bothers me

491

00:22:05,460 --> 00:22:04,030

and you can maybe I'm picking up

492

00:22:06,780 --> 00:22:05,470

something that wasn't there but standing

493

00:22:08,190 --> 00:22:06,790

at these buses and watching the

494

00:22:09,720 --> 00:22:08,200

interaction between his parents and kids

495

00:22:13,590 --> 00:22:09,730

because they all bring their kids out to

496

00:22:16,049 --> 00:22:13,600

the bus they really treat the kids with

497

00:22:16,350 --> 00:22:16,059

conditions like differently like you can

498

00:22:17,760 --> 00:22:16,360

see

499

00:22:19,470 --> 00:22:17,770

oh that's the vaccine damaged kit

500

00:22:21,720 --> 00:22:19,480

there's my perfect healthy kid and it's

501
00:22:24,000 --> 00:22:21,730
really just kind of gross it's it's sad

502
00:22:25,200 --> 00:22:24,010
and I wish it wasn't like that I'm not

503
00:22:28,980 --> 00:22:25,210
that I I'm not going to change their

504
00:22:30,120 --> 00:22:28,990
minds but yeah I just I can't believe

505
00:22:31,799 --> 00:22:30,130
that's the angle they're taking on it's

506
00:22:33,450 --> 00:22:31,809
really kind of disturbing and so did

507
00:22:40,710 --> 00:22:33,460
they come up to you and speak to you

508
00:22:41,880 --> 00:22:40,720
yeah I throw things at you yeah so many

509
00:22:42,840 --> 00:22:41,890
of them have come up and spoke to me

510
00:22:44,130 --> 00:22:42,850
sometimes like I said more

511
00:22:46,860 --> 00:22:44,140
confrontational than others some of them

512
00:22:49,110 --> 00:22:46,870
very polite you know and it's difficult

513
00:22:52,080 --> 00:22:49,120

because when a parent comes up to you

514

00:22:54,540 --> 00:22:52,090

and says vaccines killed my child you

515

00:22:56,160 --> 00:22:54,550

can't there's you just can't argue with

516

00:22:58,020 --> 00:22:56,170

that you know and you're not you're not

517

00:22:59,250 --> 00:22:58,030

gonna win an argument with them you're

518

00:23:00,590 --> 00:22:59,260

not gonna be the one if they believe

519

00:23:04,260 --> 00:23:00,600

that for 20 years to change their mind

520

00:23:07,140 --> 00:23:04,270

and so the angle I try to take if I can

521

00:23:08,520 --> 00:23:07,150

is basically to say I can't argue with

522

00:23:11,010 --> 00:23:08,530

you about your kid I don't know your

523

00:23:13,169 --> 00:23:11,020

story all I know is that following

524

00:23:15,210 --> 00:23:13,179

anti-vaxxers for the past years I have

525

00:23:17,150 --> 00:23:15,220

heard every claim under the side heard

526

00:23:19,500 --> 00:23:17,160

cancer I've heard leukemia I've heard

527

00:23:22,620 --> 00:23:19,510

multiple sclerosis I've heard vaccines

528

00:23:24,480 --> 00:23:22,630

made my kid gay I've heard oh yeah no

529

00:23:25,350 --> 00:23:24,490

absolutely yeah 100% I've got the

530

00:23:29,430 --> 00:23:25,360

screenshots I'll send em to you

531

00:23:32,370 --> 00:23:29,440

sometimes yeah there's like really

532

00:23:33,930 --> 00:23:32,380

anything under the Sun that they could

533

00:23:35,820 --> 00:23:33,940

they could view as an issue they can put

534

00:23:37,169 --> 00:23:35,830

they've been okay vaccines so that's

535

00:23:39,810 --> 00:23:37,179

what I explained the reason I can't

536

00:23:41,880 --> 00:23:39,820

speak to your story all I can do is put

537

00:23:44,910 --> 00:23:41,890

your story in that context yeah and say

538

00:23:47,070 --> 00:23:44,920

you know and and just talking to the

539

00:23:48,930 --> 00:23:47,080

some of the people that I've went on the

540

00:23:51,990 --> 00:23:48,940

bus to tell their story you've got one

541

00:23:53,340 --> 00:23:52,000

person who says oh my kid got a vaccine

542

00:23:54,960 --> 00:23:53,350

and a month later they were diagnosed

543

00:23:56,070 --> 00:23:54,970

with autism and then the next person

544

00:23:57,750 --> 00:23:56,080

come in and they put their name on the

545

00:23:58,790 --> 00:23:57,760

bus's vaccine injured and then the next

546

00:24:01,070 --> 00:23:58,800

person comes along

547

00:24:02,600 --> 00:24:01,080

and says my kid got a vaccine and six

548

00:24:04,430 --> 00:24:02,610

months later they have food allergy and

549

00:24:06,230 --> 00:24:04,440

I made that connection and they're like

550

00:24:08,200 --> 00:24:06,240

okay they put the name on the bus and so

551
00:24:10,010 --> 00:24:08,210
really they're not even even trying to

552
00:24:11,300 --> 00:24:10,020
self-select a pattern

553
00:24:12,980 --> 00:24:11,310
they're not even finding a pattern

554
00:24:15,530 --> 00:24:12,990
they've got all these names on the bus

555
00:24:17,210 --> 00:24:15,540
and they're presenting it as you know

556
00:24:19,130 --> 00:24:17,220
the smoking gun evidence that vaccines

557
00:24:21,880 --> 00:24:19,140
damaged but none of these stories are

558
00:24:24,170 --> 00:24:21,890
you gonna like yeah you know and so it's

559
00:24:25,820 --> 00:24:24,180
any single one of those claims would be

560
00:24:28,280 --> 00:24:25,830
a big deal it would be a big deal to say

561
00:24:32,000 --> 00:24:28,290
vaccines cause autism but they got a

562
00:24:34,430 --> 00:24:32,010
laundry list the longer the list gets

563
00:24:36,230 --> 00:24:34,440

the less credible any of it is and so

564

00:24:37,820 --> 00:24:36,240

I'm interested to hear what it was like

565

00:24:39,170 --> 00:24:37,830

to sit in the same room as Andrew

566

00:24:41,390 --> 00:24:39,180

Wakefield cuz I'm not sure how I'd

567

00:24:46,250 --> 00:24:41,400

respond tell me what that was like him

568

00:24:48,740 --> 00:24:46,260

yeah so that this was maybe the second

569

00:24:52,190 --> 00:24:48,750

to stop I went to it was very early I

570

00:24:53,180 --> 00:24:52,200

had I showed up and I wasn't sure they

571

00:24:55,750 --> 00:24:53,190

were gonna know who anybody was gonna

572

00:24:58,820 --> 00:24:55,760

know who I was but I had been to the

573

00:25:03,490 --> 00:24:58,830

stop at my town like two days before so

574

00:25:05,810 --> 00:25:03,500

I showed up it was at a church and I

575

00:25:07,580 --> 00:25:05,820

just went by myself a seat in the back

576

00:25:10,100 --> 00:25:07,590

put her head back and just quietly sat

577

00:25:11,540 --> 00:25:10,110

there a lady came up to me and was like

578

00:25:13,370 --> 00:25:11,550

oh it brings you here today

579

00:25:15,470 --> 00:25:13,380

do you have vaccine injury and your

580

00:25:17,660 --> 00:25:15,480

family like no somebody just suggested

581

00:25:19,070 --> 00:25:17,670

it oh well do you know anything about

582

00:25:20,420 --> 00:25:19,080

these studies started you know kind of

583

00:25:22,370 --> 00:25:20,430

prodding me I was like no I'm just you

584

00:25:23,720 --> 00:25:22,380

know I try to keep quiet and then

585

00:25:25,040 --> 00:25:23,730

finally she was like you don't want to

586

00:25:26,360 --> 00:25:25,050

talk about this do you

587

00:25:28,010 --> 00:25:26,370

I was like oh I'm just kind of here for

588

00:25:35,150 --> 00:25:28,020

the movie he's like you know I know you

589

00:25:38,420 --> 00:25:35,160

are about her vaccine she was the one

590

00:25:40,100 --> 00:25:38,430

who said their kid had a dairy allergy

591

00:25:42,320 --> 00:25:40,110

six months after vaccines and she said

592

00:25:43,100 --> 00:25:42,330

made the connection and and all of a

593

00:25:46,850 --> 00:25:43,110

sudden there were four people

594

00:25:48,410 --> 00:25:46,860

surrounding me I was like but they were

595

00:25:49,640 --> 00:25:48,420

there okay they were there they're

596

00:25:51,620 --> 00:25:49,650

they're civil they were clients they're

597

00:25:54,350 --> 00:25:51,630

like let's watch the movie with an open

598

00:25:57,170 --> 00:25:54,360

mind okay but the movie that they're

599

00:25:58,850 --> 00:25:57,180

showing in on the tour is just like a

600

00:26:00,320 --> 00:25:58,860

20-minute teaser it's not the full

601
00:26:01,760 --> 00:26:00,330
version oh really

602
00:26:02,950 --> 00:26:01,770
yeah then you have to go on five yeah

603
00:26:07,880 --> 00:26:02,960
they've got a sale they've got a

604
00:26:09,590 --> 00:26:07,890
merchant of course twenty bucks a pop

605
00:26:12,620 --> 00:26:09,600
but they just show you like the 20

606
00:26:17,900 --> 00:26:12,630
minute condensed version so I watched it

607
00:26:19,430 --> 00:26:17,910
and that was it was BS just a lot of

608
00:26:21,740 --> 00:26:19,440
emotional pleas and a lot of not a lot

609
00:26:25,190 --> 00:26:21,750
of science and then Andrew Wakefield

610
00:26:27,200 --> 00:26:25,200
came out and Polly Tommy and Suzanne

611
00:26:29,510 --> 00:26:27,210
Humphreys and they were on stage and it

612
00:26:29,930 --> 00:26:29,520
was a Q&A and I just I kept my mouth

613
00:26:31,100 --> 00:26:29,940

shut

614

00:26:32,660 --> 00:26:31,110

I'm like if I'm gonna get

615

00:26:35,060 --> 00:26:32,670

confrontational it's I've got plenty of

616

00:26:38,320 --> 00:26:35,070

stops in the future I hope you burn my

617

00:26:42,500 --> 00:26:38,330

bridge today so I watched it and I just

618

00:26:44,810 --> 00:26:42,510

it was like they want to say oh we're

619

00:26:48,050 --> 00:26:44,820

not anti-vaccine we just believe in

620

00:26:49,190 --> 00:26:48,060

choice right but then then of course

621

00:26:51,200 --> 00:26:49,200

they get up and make clients like Paulie

622

00:26:53,960 --> 00:26:51,210

Tommy got up and said like very

623

00:26:56,060 --> 00:26:53,970

specifically doctors know that vaccines

624

00:26:58,550 --> 00:26:56,070

cause injury they do it on purpose

625

00:26:59,960 --> 00:26:58,560

because healthy kids don't make them any

626

00:27:01,670 --> 00:26:59,970

money and that's why they kick

627

00:27:03,500 --> 00:27:01,680

unvaccinated children out of their

628

00:27:04,550 --> 00:27:03,510

practices because they can't make any

629

00:27:06,560 --> 00:27:04,560

money off them because they don't have

630

00:27:08,480 --> 00:27:06,570

any health problems Wow and I was like

631

00:27:10,250 --> 00:27:08,490

how can you stand here and say this is

632

00:27:12,140 --> 00:27:10,260

an absolute magazine and then claim

633

00:27:14,060 --> 00:27:12,150

doctors of poisoning children on purpose

634

00:27:23,660 --> 00:27:14,070

for profit yeah as you know what I mean

635

00:27:26,390 --> 00:27:23,670

and so these accusations are insane

636

00:27:27,560 --> 00:27:26,400

right yes and so they got to the point

637

00:27:29,150 --> 00:27:27,570

where they said well this is the last

638

00:27:31,670 --> 00:27:29,160

question and I was like well I'm just

639

00:27:33,410 --> 00:27:31,680

gonna sneak out now and so I tried to

640

00:27:35,930 --> 00:27:33,420

and the lady would talk to me before

641

00:27:37,460 --> 00:27:35,940

kind of polity to the lobby and then

642

00:27:39,350 --> 00:27:37,470

just kind of cornered me for like a good

643

00:27:41,240 --> 00:27:39,360

another 15 20 minutes and I'm trying to

644

00:27:44,720 --> 00:27:41,250

explain hey I left my girlfriend at her

645

00:27:45,950 --> 00:27:44,730

kid at Chuck E Cheese I came to this

646

00:27:49,280 --> 00:27:45,960

grating I have to go pick them up now

647

00:27:50,930 --> 00:27:49,290

and she just kept on and on and on and

648

00:27:53,180 --> 00:27:50,940

then finally I just had to excuse myself

649

00:27:56,120 --> 00:27:53,190

and go but it was weird it was kind of

650

00:27:59,600 --> 00:27:56,130

surreal yeah and so the next time I went

651
00:28:00,410 --> 00:27:59,610
to a screening was in Spokane that's

652
00:28:02,000 --> 00:28:00,420
where people got a little more

653
00:28:04,280 --> 00:28:02,010
confrontational at they had the bus

654
00:28:07,010 --> 00:28:04,290
outside we did that part and then there

655
00:28:08,930 --> 00:28:07,020
was gonna be a screening and the lady

656
00:28:11,090 --> 00:28:08,940
who is the local organizer was like no

657
00:28:14,270 --> 00:28:11,100
you're not allowed to come right yes so

658
00:28:17,180 --> 00:28:14,280
they wouldn't let me in so I asked the

659
00:28:18,710 --> 00:28:17,190
backs bus there's well they're technical

660
00:28:20,400 --> 00:28:18,720
engineers also the bus driver and he

661
00:28:23,250 --> 00:28:20,410
does a lot of stories with them

662
00:28:25,080 --> 00:28:23,260
his name is Anu and he's kind of a the

663
00:28:27,150 --> 00:28:25,090

good cop out of the good cop bad cop and

664

00:28:28,290 --> 00:28:27,160

he's the one who came over and and kind

665

00:28:29,820 --> 00:28:28,300

of tried to make friends with me and

666

00:28:31,080 --> 00:28:29,830

laughed at my sign and told me that he

667

00:28:32,400 --> 00:28:31,090

actually wants to have be on the bus for

668

00:28:34,470 --> 00:28:32,410

an interview some time on the tour

669

00:28:36,690 --> 00:28:34,480

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

670

00:28:38,280 --> 00:28:36,700

know I have to play down right but what

671

00:28:39,630 --> 00:28:38,290

do they plan to do with these stories do

672

00:28:41,280 --> 00:28:39,640

you know is it like a second me yeah

673

00:28:42,300 --> 00:28:41,290

yeah they're making a sequel where

674

00:28:44,880 --> 00:28:42,310

they're like oh here's a bunch of

675

00:28:46,530 --> 00:28:44,890

families who claim to who show off their

676
00:28:48,300 --> 00:28:46,540
kids and say this kids damaged with

677
00:28:49,830 --> 00:28:48,310
vaccines and this kids never had a

678
00:28:52,110 --> 00:28:49,840
vaccine and it's fine

679
00:28:54,150 --> 00:28:52,120
of course they're not I've got a

680
00:28:55,440 --> 00:28:54,160
sneaking suspicion that if a parents

681
00:28:57,540 --> 00:28:55,450
came up and said oh yeah I've got a

682
00:28:58,920 --> 00:28:57,550
vaccinated and unvaccinated kid here's

683
00:29:00,840 --> 00:28:58,930
my vaccinated kid who's perfectly

684
00:29:02,310 --> 00:29:00,850
healthy and here's my unvaccinated kid

685
00:29:04,530 --> 00:29:02,320
who can't have vaccines because they

686
00:29:06,150 --> 00:29:04,540
have cancer yeah I don't think those

687
00:29:06,510 --> 00:29:06,160
kids will get the movie No yeah I don't

688
00:29:08,850 --> 00:29:06,520

think so

689

00:29:10,740 --> 00:29:08,860

well that's interesting because just

690

00:29:12,720 --> 00:29:10,750

recently the Australian vaccination

691

00:29:16,110 --> 00:29:12,730

skeptic network which ow

692

00:29:18,630 --> 00:29:16,120

out anti-vaxxers yeah they've advertised

693

00:29:21,210 --> 00:29:18,640

that the VAX team is sending a

694

00:29:23,940 --> 00:29:21,220

videographer out to Australia yes to do

695

00:29:26,220 --> 00:29:23,950

a VAX kind of bus thing so I presume

696

00:29:27,540 --> 00:29:26,230

that's gonna be footage for the sequel

697

00:29:29,070 --> 00:29:27,550

as well yeah yeah I think it's part of

698

00:29:31,860 --> 00:29:29,080

the same tour I think because there's a

699

00:29:34,380 --> 00:29:31,870

break coming up after these few stops

700

00:29:36,510 --> 00:29:34,390

and then they'll be back for more stops

701
00:29:38,220 --> 00:29:36,520
in August and so I was looking at that

702
00:29:40,080 --> 00:29:38,230
break cuz their schedule has been kind

703
00:29:42,060 --> 00:29:40,090
of fluid and that break is exactly when

704
00:29:46,050 --> 00:29:42,070
they've got their Australian dates later

705
00:29:47,460 --> 00:29:46,060
okay so yeah I'll get a little bit home

706
00:29:49,950 --> 00:29:47,470
before I get back out of the road

707
00:29:58,320 --> 00:29:49,960
well so I mean I think you're a brave

708
00:29:59,880 --> 00:29:58,330
man I mean we've had people in Australia

709
00:30:03,690 --> 00:29:59,890
who've gone to antioxidants and have

710
00:30:04,980 --> 00:30:03,700
being kicked out or being yelled at and

711
00:30:06,300 --> 00:30:04,990
stuff like that so you know it's not

712
00:30:08,910 --> 00:30:06,310
something that I would want to do

713
00:30:11,010 --> 00:30:08,920

necessarily I think I'd rather I don't

714

00:30:12,420 --> 00:30:11,020

suggest it I I'm I kept doing it from

715

00:30:12,990 --> 00:30:12,430

behind my keyboard but I'm not sure if

716

00:30:15,300 --> 00:30:13,000

I'd wanted to

717

00:30:16,260 --> 00:30:15,310

okay so you know I'm thinking are we

718

00:30:18,660 --> 00:30:16,270

doing a good thing

719

00:30:20,370 --> 00:30:18,670

thank you um and I don't I mean do you

720

00:30:23,070 --> 00:30:20,380

hope to achieve anything specifically

721

00:30:26,160 --> 00:30:23,080

out of this so just sort of be in their

722

00:30:27,870 --> 00:30:26,170

face a little bit I have battled with

723

00:30:29,970 --> 00:30:27,880

anti-vaxxers for about five years online

724

00:30:33,580 --> 00:30:29,980

and every one of my victories was

725

00:30:35,380 --> 00:30:33,590

unexpected so I'm just gonna

726

00:30:37,450 --> 00:30:35,390

going with the flow I'm just gonna stand

727

00:30:39,120 --> 00:30:37,460

there with my sign where the opportunity

728

00:30:42,279 --> 00:30:39,130

arises and I gonna grab it I was

729

00:30:46,750 --> 00:30:42,289

something that goes down but even right

730

00:30:49,570 --> 00:30:46,760

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

731

00:30:51,940 --> 00:30:49,580

them in some way to some people and and

732

00:30:53,320 --> 00:30:51,950

when reporters show up even the

733

00:30:55,480 --> 00:30:53,330

reporters who fall into the false

734

00:30:57,880 --> 00:30:55,490

equivalency trap and print out an

735

00:31:00,580 --> 00:30:57,890

article that really isn't a good article

736

00:31:04,630 --> 00:31:00,590

about the whole situation like that just

737

00:31:10,299 --> 00:31:04,640

happened I had in Montana that my

738

00:31:11,590 --> 00:31:10,309

picture was on the paper there like the

739

00:31:15,539 --> 00:31:11,600

anti-vaxxers comes down and there's a

740

00:31:21,220 --> 00:31:15,549

picture of me my protests by tonight so

741

00:31:26,200 --> 00:31:21,230

that to me is where the grand backs bus

742

00:31:27,960 --> 00:31:26,210

when they got that newspaper you know

743

00:31:30,820 --> 00:31:27,970

that's all I could do great but

744

00:31:32,580 --> 00:31:30,830

hopefully one of the great things that

745

00:31:34,480 --> 00:31:32,590

happened to one of the stops was I met

746

00:31:37,210 --> 00:31:34,490

some parents who were also there

747

00:31:41,620 --> 00:31:37,220

protesting with their own signs oh great

748

00:31:44,590 --> 00:31:41,630

and they'd have 12 children and one of

749

00:31:46,960 --> 00:31:44,600

their one of their daughters relies not

750

00:31:49,600 --> 00:31:46,970

relies on other people to be vaccinated

751
00:31:52,240 --> 00:31:49,610
to save her and not just in the normal

752
00:31:54,370 --> 00:31:52,250
herd immunity sense but she actually has

753
00:31:57,549 --> 00:31:54,380
to have plasma transfusions from

754
00:31:59,500 --> 00:31:57,559
vaccinated people into her to help give

755
00:32:02,289 --> 00:31:59,510
her protection against diseases and like

756
00:32:04,139 --> 00:32:02,299
on a weekly basis and so they were there

757
00:32:07,120 --> 00:32:04,149
protesting they were super sweet family

758
00:32:09,010 --> 00:32:07,130
they actually go to Seattle to the

759
00:32:10,750 --> 00:32:09,020
Saddles Children Hospital every couple

760
00:32:12,220 --> 00:32:10,760
months and spend weeks there so

761
00:32:14,230 --> 00:32:12,230
hopefully I'll be able to reconnect with

762
00:32:15,880 --> 00:32:14,240
them when they do that so if it's just

763
00:32:17,860 --> 00:32:15,890

those kind of connections I make then

764

00:32:19,000 --> 00:32:17,870

it's a successful trip so would you

765

00:32:21,430 --> 00:32:19,010

suggest that somebody does this

766

00:32:23,320 --> 00:32:21,440

Australia then well isn't around yeah

767

00:32:28,930 --> 00:32:23,330

you know what I really want people to do

768

00:32:31,630 --> 00:32:28,940

and this is probably petty of me what I

769

00:32:33,159 --> 00:32:31,640

really encourage people to do is to make

770

00:32:35,680 --> 00:32:33,169

an appointment with the backs bus and

771

00:32:37,840 --> 00:32:35,690

get on until a vaccine injury story

772

00:32:39,549 --> 00:32:37,850

that's completely preposterous and see

773

00:32:41,799 --> 00:32:39,559

if there's anything at all that they

774

00:32:43,060 --> 00:32:41,809

will that they will dismiss us is it

775

00:32:44,690 --> 00:32:43,070

probable yeah because I don't think they

776

00:32:46,340 --> 00:32:44,700

will I think you could really get

777

00:32:47,540 --> 00:32:46,350

then claim absolutely anything and

778

00:32:48,560 --> 00:32:47,550

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

779

00:32:50,570 --> 00:32:48,570

have you ever heard of batching story

780

00:32:52,280 --> 00:32:50,580

that even you said yeah I hate vaccines

781

00:32:54,290 --> 00:32:52,290

as much as the next guy but vaccines

782

00:32:56,150 --> 00:32:54,300

probably didn't cause that no not a

783

00:32:57,590 --> 00:32:56,160

single one so that's what I that's what

784

00:32:59,480 --> 00:32:57,600

I would encourage people to do is just

785

00:33:02,750 --> 00:32:59,490

go up make up the stupidest story you

786

00:33:04,400 --> 00:33:02,760

can when you get on their Facebook page

787

00:33:07,130 --> 00:33:04,410

with your YouTube video then you don't

788

00:33:08,990 --> 00:33:07,140

have a reveal and say I just made you

789

00:33:11,270 --> 00:33:09,000

may like the the vaaz where somebody

790

00:33:14,150 --> 00:33:11,280

said it turned them into Incredible Hulk

791

00:33:16,550 --> 00:33:14,160

and that made onto this oh yeah I

792

00:33:18,710 --> 00:33:16,560

probably wouldn't say that but I would

793

00:33:20,060 --> 00:33:18,720

probably I would you go in there and say

794

00:33:21,440 --> 00:33:20,070

you have six kids and they'll have all

795

00:33:23,360 --> 00:33:21,450

different conditions all from the back

796

00:33:25,400 --> 00:33:23,370

things you know or just just go away or

797

00:33:28,460 --> 00:33:25,410

say one of my favorite one thing that

798

00:33:31,490 --> 00:33:28,470

actually see people claim and it's taken

799

00:33:35,090 --> 00:33:31,500

seriously is I didn't vaccinate my kid

800

00:33:36,620 --> 00:33:35,100

they got autism anyway so I'm pretty

801
00:33:39,410 --> 00:33:36,630
sure they were vaccinated behind my back

802
00:33:41,600 --> 00:33:39,420
oh wow yeah you've got a strategy that's

803
00:33:43,580 --> 00:33:41,610
really twisting yourself in not salute

804
00:33:45,350 --> 00:33:43,590
lee it is network and then and nobody

805
00:33:46,610 --> 00:33:45,360
disagrees nobody calls it out nobody

806
00:33:47,840 --> 00:33:46,620
says yeah that's probably not true

807
00:33:50,480 --> 00:33:47,850
though yeah oh yeah they do that all the

808
00:33:53,000 --> 00:33:50,490
time yeah yes I mean you know what is

809
00:33:54,740 --> 00:33:53,010
there like black ops vans driving around

810
00:33:56,450 --> 00:33:54,750
and snatching kids yeah yeah pretty nice

811
00:33:59,660 --> 00:33:56,460
story I just did that comes from that

812
00:34:01,760 --> 00:33:59,670
ABN oh yeah there's no medical kidnap

813
00:34:03,470 --> 00:34:01,770

that info or whatever these crazy sites

814

00:34:06,260 --> 00:34:03,480

are and that's literally what they're

815

00:34:07,580 --> 00:34:06,270

claiming yeah yeah well Craig thanks for

816

00:34:08,990 --> 00:34:07,590

taking the time to talk to us today on

817

00:34:11,060 --> 00:34:09,000

the skip design and good luck with the

818

00:34:12,770 --> 00:34:11,070

rest of your vets - ah thank you very

819

00:34:14,660 --> 00:34:12,780

much - and stay safe and say hi to

820

00:34:19,640 --> 00:34:14,670

Andrew Wakefield Boris I will No No

821

00:34:21,590 --> 00:34:19,650

thank you thank you and if you happen to

822

00:34:23,900 --> 00:34:21,600

be in Jackson Wyoming in the United

823

00:34:28,010 --> 00:34:23,910

States of America on Monday July the

824

00:34:31,250 --> 00:34:28,020

31st at 6:00 p.m. a new movie called

825

00:34:33,680 --> 00:34:31,260

toxic puzzle which looks into the role

826

00:34:35,720 --> 00:34:33,690

for an environmental neurotoxin in

827

00:34:38,510 --> 00:34:35,730

Alzheimer's disease and Lou Gehrig's

828

00:34:41,210 --> 00:34:38,520

disease is premiering at the Art Center

829

00:34:44,510 --> 00:34:41,220

and I mention this because I'm in it

830

00:34:46,400 --> 00:34:44,520

it's about my lab work and it's narrated

831

00:34:49,880 --> 00:34:46,410

by the wonderful Harrison Ford

832

00:34:51,380 --> 00:34:49,890

so get along to that if you want to do

833

00:34:54,230 --> 00:34:51,390

that and you're in town with Google

834

00:34:55,070 --> 00:34:54,240

toxic puzzle ad Center for the Arts in

835

00:34:57,290 --> 00:34:55,080

Jackson

836

00:35:03,660 --> 00:34:57,300

and until next time this has been dr.

837

00:35:12,050 --> 00:35:10,310

[Music]

838

00:35:15,420 --> 00:35:12,060

[Applause]

839

00:35:17,820 --> 00:35:15,430

calling all skeptics or listeners do you

840

00:35:20,099 --> 00:35:17,830

live in or near Glasgow or are you

841

00:35:22,349 --> 00:35:20,109

planning to visit something then you're

842

00:35:25,770 --> 00:35:22,359

in luck because the Glasgow scale tics

843

00:35:26,910 --> 00:35:25,780

have got your Monday nights sorted we

844

00:35:29,640 --> 00:35:26,920

are committed to filling up every

845

00:35:32,490 --> 00:35:29,650

available Monday night talks on science

846

00:35:34,829 --> 00:35:32,500

and skepticism ha speakers include the

847

00:35:37,290 --> 00:35:34,839

Eugenie Scott jelly coin maker Marshall

848

00:35:40,410 --> 00:35:37,300

Nate Phelps tormund Cecil from cognitive

849

00:35:42,540 --> 00:35:40,420

dissonance PZ Myers Richard Wiseman EC

850

00:35:45,089 --> 00:35:42,550

drilling nor Heath and Eli from the

851
00:35:47,370 --> 00:35:45,099
scaling atheist Simon Singh Rebecca

852
00:35:50,220 --> 00:35:47,380
Watson and a multitude of local

853
00:35:52,079 --> 00:35:50,230
academics and sceptics there's literally

854
00:35:54,150 --> 00:35:52,089
nothing better you can do on a Monday

855
00:35:56,490 --> 00:35:54,160
night in Glasgow that doesn't involve

856
00:35:58,470 --> 00:35:56,500
taking your clothes off so come join us

857
00:36:00,599 --> 00:35:58,480
we've also got a vibrant online

858
00:36:02,490 --> 00:36:00,609
community you can find us on Facebook

859
00:36:05,490 --> 00:36:02,500
Twitter and get involved with the

860
00:36:07,530 --> 00:36:05,500
discussion class go skeptics self-help

861
00:36:12,320 --> 00:36:07,540
or your brain

862
00:36:27,740 --> 00:36:12,330
[Music]

863
00:36:30,470 --> 00:36:27,750

once again we head to the website of

864

00:36:33,589 --> 00:36:30,480

Australian skeptics skeptics dot-com

865

00:36:36,819 --> 00:36:33,599

today you with the report here written

866

00:36:41,540 --> 00:36:36,829

by Tim Mendham on the 10th of July 2017

867

00:36:43,080 --> 00:36:41,550

TJ's list of medical indications full of

868

00:36:44,650 --> 00:36:43,090

pseudoscience

869

00:36:48,920 --> 00:36:44,660

[Music]

870

00:36:51,910 --> 00:36:48,930

the Therapeutic Goods Administration TGA

871

00:36:54,770 --> 00:36:51,920

has published a draft list of quote

872

00:36:57,680 --> 00:36:54,780

permitted indications end quote for

873

00:37:00,079 --> 00:36:57,690

listed complementary medicines that

874

00:37:02,540 --> 00:37:00,089

includes many terms and concepts that

875

00:37:06,349 --> 00:37:02,550

are straight out of the pseudoscience

876
00:37:09,319 --> 00:37:06,359
catalog quote permitted indications and

877
00:37:11,930 --> 00:37:09,329
quote are statements that will describe

878
00:37:15,079 --> 00:37:11,940
the therapeutic uses for listed

879
00:37:18,230 --> 00:37:15,089
medicines when the permitted indications

880
00:37:20,990 --> 00:37:18,240
reform is implemented sponsors will be

881
00:37:23,299 --> 00:37:21,000
required to use them to enter their

882
00:37:26,630 --> 00:37:23,309
product indications in the Australian

883
00:37:29,660 --> 00:37:26,640
register of Therapeutic Goods permitted

884
00:37:33,230 --> 00:37:29,670
indications will be assessed against a

885
00:37:36,289 --> 00:37:33,240
set of eligibility criteria to ensure

886
00:37:39,829 --> 00:37:36,299
that they are appropriate for low-risk

887
00:37:42,079 --> 00:37:39,839
listed medicines that are not assessed

888
00:37:44,150 --> 00:37:42,089

pre-market the Commonwealth Government

889

00:37:46,940 --> 00:37:44,160

announced in September last year that

890

00:37:50,180 --> 00:37:46,950

the TGA would introduce such a list with

891

00:37:53,329 --> 00:37:50,190

the purpose of point ensuring that

892

00:37:55,579 --> 00:37:53,339

listed medicines can only make low-level

893

00:37:58,640 --> 00:37:55,589

indications that are suitable for

894

00:38:01,940 --> 00:37:58,650

medicines that do not undergo pre market

895

00:38:04,940 --> 00:38:01,950

assessment point providing transparency

896

00:38:06,950 --> 00:38:04,950

for sponsors on what indications are

897

00:38:10,870 --> 00:38:06,960

suitable for listed medications to help

898

00:38:14,900 --> 00:38:10,880

prevent inadvertent non-compliance and

899

00:38:17,539 --> 00:38:14,910

point avoiding consumers being misled by

900

00:38:21,109 --> 00:38:17,549

inappropriate indications unlisted

901
00:38:23,030 --> 00:38:21,119
medicine labels dr. Ken Harvey a regular

902
00:38:26,170 --> 00:38:23,040
campaigner against pseudo-scientific

903
00:38:30,790 --> 00:38:26,180
claims in the altmed industry says

904
00:38:33,400 --> 00:38:30,800
that among the 1345 permitted

905
00:38:35,680 --> 00:38:33,410
indications in the draft list are many

906
00:38:38,350 --> 00:38:35,690
which lack evidence and for which

907
00:38:41,470 --> 00:38:38,360
complaints have previously been upheld

908
00:38:46,540 --> 00:38:41,480
by the TGA completes resolution panel

909
00:38:48,940 --> 00:38:46,550
such as number 7 4 0 - 7 4 7 muscle

910
00:38:52,360 --> 00:38:48,950
cramp typically claims made for

911
00:38:54,640 --> 00:38:52,370
magnesium quote in addition the list

912
00:38:56,950 --> 00:38:54,650
contains numerous nonsensical

913
00:38:58,870 --> 00:38:56,960

traditional Chinese medicine quote

914

00:39:02,320 --> 00:38:58,880

traditional indications end quote

915

00:39:06,400 --> 00:39:02,330

without any disclaimer such as number

916

00:39:10,870 --> 00:39:06,410

one quote harmonize middle burner spleen

917

00:39:15,520 --> 00:39:10,880

and stomach hmm end quote and number six

918

00:39:22,180 --> 00:39:15,530

quote unblocked open relaxed meridians

919

00:39:26,830 --> 00:39:22,190

and quote and number 115 quote balance

920

00:39:28,510 --> 00:39:26,840

yin and yang end quote harvey and others

921

00:39:31,270 --> 00:39:28,520

have argued that the proposed list

922

00:39:35,190 --> 00:39:31,280

should be short and only contain modest

923

00:39:39,550 --> 00:39:35,200

claims such as quote may assist may help

924

00:39:41,580 --> 00:39:39,560

unquote etc quote in addition we argued

925

00:39:44,830 --> 00:39:41,590

that for consumers to make informed

926
00:39:46,900 --> 00:39:44,840
purchases claims based on traditional

927
00:39:49,810 --> 00:39:46,910
use should always have a disclaimer

928
00:39:52,360 --> 00:39:49,820
along the lines of what the US FTC

929
00:39:55,390 --> 00:39:52,370
proposed for homeopathic products quote

930
00:39:57,820 --> 00:39:55,400
warning traditional use does not imply

931
00:39:59,800 --> 00:39:57,830
efficacy or guarantee safety this

932
00:40:01,750 --> 00:39:59,810
products traditional claims are based on

933
00:40:03,880 --> 00:40:01,760
alternative health practices that are

934
00:40:06,280 --> 00:40:03,890
not accepted by most modern medical

935
00:40:07,810 --> 00:40:06,290
experts there is no scientific evidence

936
00:40:10,960 --> 00:40:07,820
that this product works

937
00:40:13,210 --> 00:40:10,970
end quote however industry

938
00:40:15,670 --> 00:40:13,220

representatives argued that they needed

939

00:40:19,270 --> 00:40:15,680

a long list of permitted indications and

940

00:40:21,460 --> 00:40:19,280

that disclaimers were unnecessary would

941

00:40:24,040 --> 00:40:21,470

be misunderstood or would have no impact

942

00:40:25,990 --> 00:40:24,050

on consumers the list is due to come

943

00:40:29,110 --> 00:40:26,000

into effect at the same time next year

944

00:40:32,670 --> 00:40:29,120

with the draft lists available at the

945

00:40:35,110 --> 00:40:32,680

TGA website until October 31st 2017

946

00:40:37,900 --> 00:40:35,120

during this period the interested

947

00:40:39,700 --> 00:40:37,910

parties including suppliers can review

948

00:40:41,589 --> 00:40:39,710

and provide comments

949

00:40:44,470 --> 00:40:41,599

the list and proposed additional

950

00:40:50,950 --> 00:40:44,480

indications or evidence qualifies prior

951
00:40:54,010 --> 00:40:50,960
to the list of being finalized balance

952
00:40:57,250 --> 00:40:54,020
the yin and yang a that story comes to

953
00:41:12,490 --> 00:40:57,260
us from skeptics Comte you published on

954
00:41:14,980 --> 00:41:12,500
the 10th of July 2017 by Tim Mendham it

955
00:41:17,200 --> 00:41:14,990
never ends a friend starts talking about

956
00:41:19,300 --> 00:41:17,210
his new Reiki Master and someone else

957
00:41:21,730 --> 00:41:19,310
just posted about another all-natural

958
00:41:24,970 --> 00:41:21,740
cancer cure that they don't want you to

959
00:41:26,770 --> 00:41:24,980
know about skeptics we dedicate a lot of

960
00:41:28,720 --> 00:41:26,780
time trying to protect those around us

961
00:41:31,270 --> 00:41:28,730
but there's a way that you can reach

962
00:41:33,520 --> 00:41:31,280
millions guerrilla skepticism on

963
00:41:35,680 --> 00:41:33,530

Wikipedia is a group that is working to

964

00:41:38,290 --> 00:41:35,690

keep the best skeptical information at

965

00:41:41,589 --> 00:41:38,300

everyone's fingertips in all languages

966

00:41:44,410 --> 00:41:41,599

join us training is self-paced and fun

967

00:41:46,660 --> 00:41:44,420

and we have our very own super secret

968

00:41:49,060 --> 00:41:46,670

Facebook group you will be educating the

969

00:41:54,210 --> 00:41:49,070

world in your sleep to find out more

970

00:41:58,410 --> 00:41:54,220

email us at GS o w team at gmail.com

971

00:42:10,380 --> 00:41:58,420

guerrilla skepticism the time is now

972

00:42:15,280 --> 00:42:10,390

music by bensound.com as skeptics no

973

00:42:16,990 --> 00:42:15,290

chemicals are well they're everywhere in

974

00:42:20,140 --> 00:42:17,000

this interview guest reporter Kevin

975

00:42:22,420 --> 00:42:20,150

Davies talks to Professor John kava from

976
00:42:23,950 --> 00:42:22,430
the australian national university about

977
00:42:27,099 --> 00:42:23,960
some of the misconceptions regarding

978
00:42:32,330 --> 00:42:27,109
chemicals and about the book chemistry

979
00:42:38,700 --> 00:42:36,090
I'm here at the new with Professor John

980
00:42:40,200 --> 00:42:38,710
Carver how are you going John well thank

981
00:42:41,670 --> 00:42:40,210
you well we've just been at a very

982
00:42:43,890 --> 00:42:41,680
interesting book launch

983
00:42:45,510 --> 00:42:43,900
yes we've launched a book called

984
00:42:46,890 --> 00:42:45,520
chemistry in the marketplace which is

985
00:42:49,050 --> 00:42:46,900
the sixth edition of this book has been

986
00:42:51,300 --> 00:42:49,060
around since 1978 it's a book which

987
00:42:53,340 --> 00:42:51,310
explains chemistry in a very general

988
00:42:54,540 --> 00:42:53,350

sense to the public about how important

989

00:42:55,890 --> 00:42:54,550

chemicals are and what in their

990

00:42:58,520 --> 00:42:55,900

environment in the environment and

991

00:43:00,930 --> 00:42:58,530

around us and chemicals are everywhere

992

00:43:01,770 --> 00:43:00,940

so do you want to tell us a little bit

993

00:43:03,330 --> 00:43:01,780

about yourself

994

00:43:05,280 --> 00:43:03,340

well I'm director of the research school

995

00:43:06,780 --> 00:43:05,290

of chemistry here at the ANU and I've

996

00:43:09,030 --> 00:43:06,790

been in this job for four years I'm a

997

00:43:11,430 --> 00:43:09,040

professor of chemistry and I've been an

998

00:43:13,590 --> 00:43:11,440

academic since 1988 I've had experience

999

00:43:14,970 --> 00:43:13,600

as an academic at the University of

1000

00:43:17,520 --> 00:43:14,980

Wollongong on the University of Adelaide

1001
00:43:19,410 --> 00:43:17,530
and I actually did my PhD here many

1002
00:43:23,340 --> 00:43:19,420
years ago and I've come back to the

1003
00:43:25,470 --> 00:43:23,350
place after a long gap so what I do my

1004
00:43:26,760 --> 00:43:25,480
job I run the school I do a lot of

1005
00:43:29,460 --> 00:43:26,770
administration but I also do research

1006
00:43:33,210 --> 00:43:29,470
and teach so I have a very multifaceted

1007
00:43:35,910 --> 00:43:33,220
job excellent excellent now I just ask

1008
00:43:40,170 --> 00:43:35,920
you a few questions about some of the

1009
00:43:43,140 --> 00:43:40,180
myths and then about chemicals so start

1010
00:43:45,450 --> 00:43:43,150
off with when you see somebody

1011
00:43:48,570 --> 00:43:45,460
advertising a product as being chemical

1012
00:43:50,850 --> 00:43:48,580
free what is your reaction of course I

1013
00:43:52,290 --> 00:43:50,860

say that's rubbish because chemicals are

1014

00:43:54,360 --> 00:43:52,300

everywhere where we're at we're full of

1015

00:43:59,160 --> 00:43:54,370

chemicals ourselves and we're comprised

1016

00:44:00,480 --> 00:43:59,170

everything proteins sugars fats lipids

1017

00:44:03,120 --> 00:44:00,490

everything they're all protein they're

1018

00:44:04,260 --> 00:44:03,130

all their own chemicals so to say

1019

00:44:07,800 --> 00:44:04,270

something is chemical free

1020

00:44:10,170 --> 00:44:07,810

maybe that implies that there's no added

1021

00:44:11,910 --> 00:44:10,180

synthetic chemicals in there but it

1022

00:44:14,250 --> 00:44:11,920

obviously contains chemicals which are

1023

00:44:18,060 --> 00:44:14,260

naturally there so why do you think

1024

00:44:20,850 --> 00:44:18,070

there is this attitude toward being say

1025

00:44:21,680 --> 00:44:20,860

chemical free even if as you say it is

1026

00:44:24,260 --> 00:44:21,690

rubbish

1027

00:44:28,130 --> 00:44:24,270

well I think it's because people have

1028

00:44:30,740 --> 00:44:28,140

some misconceptions about chemicals

1029

00:44:33,529 --> 00:44:30,750

which come from obviously situations

1030

00:44:36,460 --> 00:44:33,539

when things go awry with chemicals when

1031

00:44:38,620 --> 00:44:36,470

there's a chemical plant that

1032

00:44:40,780 --> 00:44:38,630

that releases chemists chemicals that

1033

00:44:43,660 --> 00:44:40,790

are potentially toxic when you get a

1034

00:44:47,170 --> 00:44:43,670

spill in and a river for example of a

1035

00:44:48,730 --> 00:44:47,180

chemical that is man-made and causes

1036

00:44:51,880 --> 00:44:48,740

some damage mmm

1037

00:44:55,960 --> 00:44:51,890

spraying pesticides or herbicides on

1038

00:44:59,230 --> 00:44:55,970

crops that make obviously work to kill

1039

00:45:00,609 --> 00:44:59,240

insects etc but if you have to match

1040

00:45:02,740 --> 00:45:00,619

them in there or even if you add

1041

00:45:05,650 --> 00:45:02,750

phosphates for example to improve your

1042

00:45:07,839 --> 00:45:05,660

yields of crops these are all important

1043

00:45:09,940 --> 00:45:07,849

aspects that enabled us to feed the

1044

00:45:12,490 --> 00:45:09,950

world but they do have consequences in

1045

00:45:15,220 --> 00:45:12,500

people misconstruing them will them

1046

00:45:17,950 --> 00:45:15,230

being misused potentially and causing

1047

00:45:22,810 --> 00:45:17,960

province and so that you don't think I

1048

00:45:24,520 --> 00:45:22,820

think that we where society I think in

1049

00:45:28,420 --> 00:45:24,530

terms of chemicals being banned when in

1050

00:45:30,490 --> 00:45:28,430

fact the reason why many of the aspects

1051
00:45:32,230 --> 00:45:30,500
of our society why we have such an

1052
00:45:34,510 --> 00:45:32,240
advanced society is what is related to

1053
00:45:37,830 --> 00:45:34,520
our understanding of chemicals and their

1054
00:45:40,150 --> 00:45:37,840
use of them and what are the some of the

1055
00:45:43,480 --> 00:45:40,160
strange things people have come to you

1056
00:45:45,609 --> 00:45:43,490
with in regards to chemicals like has

1057
00:45:48,550 --> 00:45:45,619
anybody ever said something that really

1058
00:45:49,430 --> 00:45:48,560
just made you sit back and go what on

1059
00:45:52,060 --> 00:45:49,440
earth

1060
00:45:55,420 --> 00:45:52,070
[Music]

1061
00:45:58,990 --> 00:45:55,430
I think the when I work in an area I

1062
00:46:00,250 --> 00:45:59,000
work on proteins in foods and we've

1063
00:46:02,500 --> 00:46:00,260

we've made some interesting discoveries

1064

00:46:05,530 --> 00:46:02,510

about their important nature

1065

00:46:07,480 --> 00:46:05,540

particularly milk proteins and found for

1066

00:46:10,359 --> 00:46:07,490

example that if you treat milk in a

1067

00:46:12,010 --> 00:46:10,369

certain way you'll create species called

1068

00:46:14,340 --> 00:46:12,020

amyloid fibrils that are potentially

1069

00:46:18,420 --> 00:46:14,350

toxic to

1070

00:46:20,190 --> 00:46:18,430

and we've had people come up to me and

1071

00:46:23,160 --> 00:46:20,200

say well are those those particular

1072

00:46:25,860 --> 00:46:23,170

species related to diseases and they're

1073

00:46:29,430 --> 00:46:25,870

not but they are present in various

1074

00:46:31,530 --> 00:46:29,440

disease related diseases such as our

1075

00:46:35,220 --> 00:46:31,540

summers and the deposits and our summers

1076
00:46:36,600 --> 00:46:35,230
and Parkinson's Wow but if you ingest

1077
00:46:38,280 --> 00:46:36,610
milk you don't get them it's just that

1078
00:46:39,870 --> 00:46:38,290
they haven't if you treat the milk in a

1079
00:46:42,540 --> 00:46:39,880
certain way you'll form these type of

1080
00:46:45,540 --> 00:46:42,550
structures and proteins so we've you

1081
00:46:49,020 --> 00:46:45,550
know it it's how you spin the story I

1082
00:46:50,940 --> 00:46:49,030
think how you can sometimes get

1083
00:46:53,190 --> 00:46:50,950
misconstrue things that I think that do

1084
00:46:55,380 --> 00:46:53,200
we have to be very careful about and of

1085
00:46:56,730 --> 00:46:55,390
course we're you know we're ingesting

1086
00:46:58,620 --> 00:46:56,740
chemicals all the time and our foods

1087
00:47:00,630 --> 00:46:58,630
which many the vast majority of which

1088
00:47:03,030 --> 00:47:00,640

are naturally there but our bodies are

1089

00:47:05,940 --> 00:47:03,040

very attuned have got systems have got

1090

00:47:09,720 --> 00:47:05,950

means of detoxifying that worked very

1091

00:47:11,880 --> 00:47:09,730

efficiently and that we have really when

1092

00:47:13,800 --> 00:47:11,890

chemicals have done tremendous benefit

1093

00:47:16,080 --> 00:47:13,810

for us in terms of food preservation for

1094

00:47:18,000 --> 00:47:16,090

example we had print preservatives -

1095

00:47:20,680 --> 00:47:18,010

food we've been alien for millennia -

1096

00:47:22,569 --> 00:47:20,690

food - installed as a preservative

1097

00:47:23,770 --> 00:47:22,579

when adding for ages salt has yet too

1098

00:47:26,140 --> 00:47:23,780

much salt of course it has consequences

1099

00:47:28,599 --> 00:47:26,150

for your health in terms of elevated

1100

00:47:30,880 --> 00:47:28,609

blood pressure etc so it's always a

1101

00:47:33,309 --> 00:47:30,890

balance I think and we just got to get

1102

00:47:35,910 --> 00:47:33,319

things into perspective I think that's

1103

00:47:38,380 --> 00:47:35,920

probably a very good place to end it so

1104

00:47:39,810 --> 00:47:38,390

John Carver thank you very much

1105

00:47:56,480 --> 00:47:39,820

pleasure good to talk to

1106

00:48:03,990 --> 00:47:59,400

save-the-date saikhan is returning to

1107

00:48:06,390 --> 00:48:04,000

Las Vegas for 2017 today you turned on

1108

00:48:08,910 --> 00:48:06,400

your computer or your phone Facebook

1109

00:48:12,060 --> 00:48:08,920

told you that vaccines are an evil

1110

00:48:15,329 --> 00:48:12,070

government plot Twitter told you the Sun

1111

00:48:17,010 --> 00:48:15,339

is revolving around a Flat Earth and the

1112

00:48:19,880 --> 00:48:17,020

House Science Committee told you that

1113

00:48:24,710 --> 00:48:19,890

climate changes nothing to worry about

1114

00:48:27,780 --> 00:48:24,720

meanwhile up is down true is false

1115

00:48:31,290 --> 00:48:27,790

Oceania has always been at war with East

1116

00:48:34,980 --> 00:48:31,300

Asia and dogs and cats may in fact be

1117

00:48:38,190 --> 00:48:34,990

living together enough already it's time

1118

00:48:40,560 --> 00:48:38,200

once again for the forces of reason and

1119

00:48:42,960 --> 00:48:40,570

science to come together time for

1120

00:48:45,720 --> 00:48:42,970

critical thinkers to connect learn from

1121

00:48:49,109 --> 00:48:45,730

each other and sharpen their skills time

1122

00:48:51,750 --> 00:48:49,119

for the leading lights of skepticism to

1123

00:48:55,710 --> 00:48:51,760

share their wisdom and to rally the

1124

00:48:57,170 --> 00:48:55,720

troops it's time for saikhan 2017 back

1125

00:48:58,650 --> 00:48:57,180

in Las Vegas

1126

00:49:02,100 --> 00:48:58,660

[Music]

1127

00:49:05,170 --> 00:49:02,110

October the 26th to the 29th joined

1128

00:49:08,560 --> 00:49:05,180

luminaries such as James the amazing

1129

00:49:11,710 --> 00:49:08,570

Randi Richard Dawkins Eugenie Scott the

1130

00:49:14,530 --> 00:49:11,720

skeptics guide to the universe susan

1131

00:49:19,270 --> 00:49:14,540

gerbic Harriet Hall Richard Wiseman

1132

00:49:22,030 --> 00:49:19,280

Carrie papi Joe Nickell and many many

1133

00:49:24,850 --> 00:49:22,040

more the master of ceremonies is none

1134

00:49:26,800 --> 00:49:24,860

other than George Harrap for the biggest

1135

00:49:29,380 --> 00:49:26,810

skeptics event of the year returning

1136

00:49:31,690 --> 00:49:29,390

triumphantly to the Excalibur Hotel and

1137

00:49:35,050 --> 00:49:31,700

Casino in Las Vegas the city of

1138

00:49:37,570 --> 00:49:35,060

illusions saikhan 2017 will be packed

1139

00:49:40,360 --> 00:49:37,580

with fascinating talks and presentations

1140

00:49:43,630 --> 00:49:40,370

dazzling entertainment and fun social

1141

00:49:45,460 --> 00:49:43,640

events with fellow skeptics this October

1142

00:49:47,830 --> 00:49:45,470

can get away from vague news and

1143

00:49:52,150 --> 00:49:47,840

conspiracy theories filling up your news

1144

00:49:56,230 --> 00:49:52,160

feeds at saikhan 2017 your alternative

1145

00:50:02,000 --> 00:49:56,240

to alternative facts for more

1146

00:50:02,010 --> 00:50:19,780

[Music]

1147

00:50:25,160 --> 00:50:22,220

thank you for listening to the skeptic

1148

00:50:26,900 --> 00:50:25,170

zone now next week a very special series

1149

00:50:29,630 --> 00:50:26,910

of reports and interviews we have for

1150

00:50:32,450 --> 00:50:29,640

you Heidi Robertson the raw skeptic is

1151
00:50:35,990 --> 00:50:32,460
going to be reporting from starstuff the

1152
00:50:38,450 --> 00:50:36,000
astronomy our weekend in Byron Bay and

1153
00:50:41,420 --> 00:50:38,460
what a fascinating report it is at one

1154
00:50:44,540 --> 00:50:41,430
stage Heidi slips on a pair of virtual

1155
00:50:49,310 --> 00:50:44,550
reality goggles and goes for a walk on

1156
00:50:51,650 --> 00:50:49,320
the planet Mars it's wonderful stuff

1157
00:50:54,620 --> 00:50:51,660
from Heidi Robertson and some interviews

1158
00:50:56,540 --> 00:50:54,630
beside that coming up next week also I

1159
00:50:58,610 --> 00:50:56,550
interview Claire Klingenberg from the

1160
00:51:01,280 --> 00:50:58,620
Czech Republic who is involved this year

1161
00:51:04,310 --> 00:51:01,290
in putting together the European

1162
00:51:06,290 --> 00:51:04,320
skeptics Congress oh I wish I could go

1163
00:51:07,970 --> 00:51:06,300

to that but our reporter and president

1164

00:51:09,860 --> 00:51:07,980

of the strain skeptics Iran say give

1165

00:51:13,280 --> 00:51:09,870

will be there he'll be on hand lucky

1166

00:51:15,890 --> 00:51:13,290

Iran also part one of a series of

1167

00:51:17,900 --> 00:51:15,900

reports with Anne Reed from the National

1168

00:51:20,630 --> 00:51:17,910

Center for Science education based in

1169

00:51:23,150 --> 00:51:20,640

Oakland California I went along to the

1170

00:51:25,220 --> 00:51:23,160

National Center Oh last week I guess it

1171

00:51:27,110 --> 00:51:25,230

was all the week before sat down with

1172

00:51:29,060 --> 00:51:27,120

Anne to get a series of interviews about

1173

00:51:31,910 --> 00:51:29,070

the work of the National Center for

1174

00:51:35,180 --> 00:51:31,920

Science education when it comes to the

1175

00:51:37,360 --> 00:51:35,190

the good information about evolution

1176

00:51:40,760 --> 00:51:37,370

especially and also more recently

1177

00:51:42,770 --> 00:51:40,770

climate change science but of course

1178

00:51:45,470 --> 00:51:42,780

coming up in the weeks to come even more

1179

00:51:48,200 --> 00:51:45,480

interviews from Nexus including

1180

00:51:50,600 --> 00:51:48,210

interview with the Bob novella from the

1181

00:51:52,910 --> 00:51:50,610

skeptics guide to the universe thank you

1182

00:51:55,910 --> 00:51:52,920

to those people who keep supporting the

1183

00:51:58,280 --> 00:51:55,920

skeptic zone by patreon or micro

1184

00:52:01,460 --> 00:51:58,290

payments with PayPal I'm delighted to

1185

00:52:03,110 --> 00:52:01,470

say that owing to your generosity and

1186

00:52:05,090 --> 00:52:03,120

your continued support I was able to

1187

00:52:09,200 --> 00:52:05,100

send one of my reporters a brand new

1188

00:52:11,950 --> 00:52:09,210

microphone just this week so look

1189

00:52:14,600 --> 00:52:11,960

forward I won't tell you who it is oh

1190

00:52:16,130 --> 00:52:14,610

they can do that when they give their

1191

00:52:18,170 --> 00:52:16,140

first report with their new microphone

1192

00:52:20,540 --> 00:52:18,180

in fact I've been inspired I went to

1193

00:52:22,820 --> 00:52:20,550

Ikea today this is not a plug for IKEA

1194

00:52:25,370 --> 00:52:22,830

especially this certainly don't get any

1195

00:52:30,600 --> 00:52:25,380

money from them mm-hmm and I bought a

1196

00:52:34,200 --> 00:52:30,610

little a little collapsible cloth cube

1197

00:52:36,630 --> 00:52:34,210

it's very strange that only cost \$5 but

1198

00:52:39,930 --> 00:52:36,640

I'm going to in the next few days get

1199

00:52:43,410 --> 00:52:39,940

some acoustic foam fit out the interior

1200

00:52:49,380 --> 00:52:43,420

of this box this cube and make myself a

1201
00:52:52,830 --> 00:52:49,390
little little desk top voice recording

1202
00:52:55,230 --> 00:52:52,840
booth I guess you'd call it I'm gonna

1203
00:52:57,090 --> 00:52:55,240
have some fun with that why not and if

1204
00:52:58,740 --> 00:52:57,100
it's any good well I guess you'll hear

1205
00:53:02,220 --> 00:52:58,750
the results next week on the skeptics

1206
00:53:04,770 --> 00:53:02,230
urn but but until then until then this

1207
00:53:11,310 --> 00:53:04,780
is Richard Saunders signing off from

1208
00:53:13,860 --> 00:53:11,320
Sydney Australia you've been listening

1209
00:53:17,850 --> 00:53:13,870
to the skeptic zone podcast visit our

1210
00:53:21,210 --> 00:53:17,860
website at WWF tech zone TV for contacts

1211
00:53:24,600 --> 00:53:21,220
and archive of all episodes since 2008

1212
00:53:26,640 --> 00:53:24,610
and our online store please support the

1213
00:53:30,000 --> 00:53:26,650

skeptic zone by following us on twitter

1214

00:53:32,610 --> 00:53:30,010

at skeptic zone liking us on facebook

1215

00:53:34,950 --> 00:53:32,620

and leaving a review on itunes

1216

00:53:37,740 --> 00:53:34,960

you can also show your support by

1217

00:53:41,250 --> 00:53:37,750

subscribing via PayPal or as little as

1218

00:53:43,440 --> 00:53:41,260

99 cents a week the skeptic zone is an

1219

00:53:45,360 --> 00:53:43,450

independent production the views and

1220

00:53:47,580 --> 00:53:45,370

opinions expressed on the skeptic zone

1221

00:53:50,460 --> 00:53:47,590

and not necessarily those of Australian