

1
00:00:00,000 --> 00:00:09,089
[Music]

2
00:00:05,929 --> 00:00:11,839
welcome to the skeptic zone the podcast

3
00:00:09,089 --> 00:00:13,919
from Australia for science and reason

4
00:00:11,839 --> 00:00:16,890
[Music]

5
00:00:13,919 --> 00:00:22,640
[Applause]

6
00:00:16,890 --> 00:00:25,079
[Music]

7
00:00:22,640 --> 00:00:29,300
yes it's the skeptic zone podcast

8
00:00:25,079 --> 00:00:31,939
episode number 505 for the 23rd of June

9
00:00:29,300 --> 00:00:35,009
2018 richardsaunders here with you

10
00:00:31,940 --> 00:00:36,980
coming to you once again this week from

11
00:00:35,009 --> 00:00:39,839
the Bay Area San Francisco I was

12
00:00:36,979 --> 00:00:40,198
originally going to be a home at the

13
00:00:39,840 --> 00:00:43,379
moment

14
00:00:40,198 --> 00:00:47,128
fly home a few days ago situations have

15
00:00:43,378 --> 00:00:49,920
arisen circumstances beyond my control I

16
00:00:47,128 --> 00:00:53,119
need not go on I'm in the Bay Area for

17
00:00:49,920 --> 00:00:55,800
another week and enjoying a very hot day

18
00:00:53,119 --> 00:00:57,448
no I'm not it's too hot it's going to be

19
00:00:55,799 --> 00:01:00,268
over a hundred today something like 38

20
00:00:57,448 --> 00:01:02,698
degrees Celsius 100 Fahrenheit a good

21
00:01:00,268 --> 00:01:04,799
day to be indoors coming up on this

22
00:01:02,698 --> 00:01:06,899
week's show we hear from the raw skeptic

23
00:01:04,799 --> 00:01:09,478
haile Robinson who was in Brisbane

24
00:01:06,900 --> 00:01:13,560
recently at the pregnancy babies and

25
00:01:09,478 --> 00:01:16,319
children's expo to offer her help to the

26
00:01:13,560 --> 00:01:18,240
light for Riley stand now light for

27
00:01:16,319 --> 00:01:20,819
Riley is an organization set up to

28
00:01:18,239 --> 00:01:24,449
promote vaccinations in the community

29

00:01:20,819 --> 00:01:26,579
and it was inspired by Riley Hughes who

30
00:01:24,450 --> 00:01:30,890
tragically passed away from pertussis

31
00:01:26,579 --> 00:01:34,140
whooping cough in 2015 and he was just a

32
00:01:30,890 --> 00:01:36,659
tiny baby when he did and his parents

33
00:01:34,140 --> 00:01:40,650
are continuing the fight now against

34
00:01:36,659 --> 00:01:42,479
vaccine preventable diseases I will link

35
00:01:40,650 --> 00:01:44,550
to light for Riley in the show notes but

36
00:01:42,480 --> 00:01:47,579
you'll hear from Kath use Riley's mother

37
00:01:44,549 --> 00:01:50,640
as well as Heidi Robinson wandering

38
00:01:47,579 --> 00:01:55,950
around the babies Expo to see if she can

39
00:01:50,640 --> 00:01:58,890
snoop out any woo any non evidence-based

40
00:01:55,950 --> 00:02:01,109
things going on following that we bring

41
00:01:58,890 --> 00:02:03,120
you another story from Queensland where

42
00:02:01,109 --> 00:02:05,579
the Fair Trading part of the Queensland

43
00:02:03,120 --> 00:02:08,729

Government has fined a business for

44

00:02:05,579 --> 00:02:11,759
making unsubstantiated cancer cure

45

00:02:08,729 --> 00:02:14,940
claims and this is to do with skin

46

00:02:11,759 --> 00:02:18,810
cancer and having had skin cancer myself

47

00:02:14,939 --> 00:02:21,959
and having regular checkups I take issue

48

00:02:18,810 --> 00:02:24,269
with anybody promoting false skin cancer

49

00:02:21,959 --> 00:02:26,729
cures that story coming up a bit later

50

00:02:24,269 --> 00:02:29,639
on then to wrap up the show another

51

00:02:26,729 --> 00:02:32,429
interview from skeptic at the conference

52

00:02:29,639 --> 00:02:34,439
I was attending here in the Bay Area or

53

00:02:32,430 --> 00:02:37,379
a couple of weeks ago this week

54

00:02:34,439 --> 00:02:40,800
I talked to Kyle polish from the data

55

00:02:37,379 --> 00:02:43,799
skeptic podcast now why would anybody be

56

00:02:40,800 --> 00:02:47,490
skeptical about data find out later on

57

00:02:43,800 --> 00:02:49,620
with my interview from skeptical now

58
00:02:47,490 --> 00:02:51,510
just looking over the calendar I can see

59
00:02:49,620 --> 00:02:53,310
that there are many skeptical

60
00:02:51,509 --> 00:02:57,359
conventions lined up for the rest of the

61
00:02:53,310 --> 00:03:00,750
year we have got QED in the UK we have

62
00:02:57,360 --> 00:03:03,240
got Nexus in New York what else in Las

63
00:03:00,750 --> 00:03:05,400
Vegas there's saikhan coming up but of

64
00:03:03,240 --> 00:03:09,330
course in Australia in Sydney Australia

65
00:03:05,400 --> 00:03:12,180
this October 13th or 14th we have the

66
00:03:09,330 --> 00:03:14,990
Australian skeptics convention and this

67
00:03:12,180 --> 00:03:17,700
year will be the 34th consecutive annual

68
00:03:14,990 --> 00:03:20,850
convention you can get your tickets at

69
00:03:17,699 --> 00:03:22,469
convention skeptics comdataís you while

70
00:03:20,849 --> 00:03:25,079
you're there you can check out the list

71
00:03:22,469 --> 00:03:26,759
of speakers this year and a couple of my

72
00:03:25,080 --> 00:03:29,910
favorites certainly coming along dr.

73
00:03:26,759 --> 00:03:32,429
Karl Cruz Ole Miss key always a popular

74
00:03:29,909 --> 00:03:35,370
speaker dr. Pamela gay the wonderful

75
00:03:32,430 --> 00:03:37,800
astronomer dr. Susan Blackmore speaking

76
00:03:35,370 --> 00:03:39,480
all sorts of people more news about that

77
00:03:37,800 --> 00:03:42,000
over the coming months

78
00:03:39,479 --> 00:03:44,789
dr. Lynne Kelly indeed will be there so

79
00:03:42,000 --> 00:03:47,189
many good people get your tickets now at

80
00:03:44,789 --> 00:03:50,639
conventions not skeptics come today you

81
00:03:47,189 --> 00:03:53,729
and we'll see you there later on in the

82
00:03:50,639 --> 00:03:55,889
year but now it's time for me to run

83
00:03:53,729 --> 00:03:57,629
upstairs to the kitchen open the fridge

84
00:03:55,889 --> 00:04:01,769
and see if there are any more

85
00:03:57,629 --> 00:04:04,709
Twinkies left Twinkies Twinkies they're

86

00:04:01,770 --> 00:04:06,659
really nice and like have Americans know

87
00:04:04,709 --> 00:04:07,979
what I mean they're very tasty like a

88
00:04:06,659 --> 00:04:11,669
little dessert sort of thing

89
00:04:07,979 --> 00:04:13,799
Twinkies I also discovered I in a shop

90
00:04:11,669 --> 00:04:16,858
called the dollar store root beard

91
00:04:13,800 --> 00:04:18,509
flavored licorice wow I'm really going

92
00:04:16,858 --> 00:04:21,509
to town here in the United States what

93
00:04:18,509 --> 00:04:24,329
next well there's always root beer well

94
00:04:21,509 --> 00:04:26,959
I enjoy all that I hope you enjoy this

95
00:04:24,329 --> 00:04:26,959
kept exam

96
00:04:42,478 --> 00:04:54,550
it's the raw skeptic report with Heidi

97
00:04:46,449 --> 00:04:56,919
Robertson hello everyone

98
00:04:54,550 --> 00:05:00,150
Heidi Robertson here from the Northern

99
00:04:56,918 --> 00:05:02,649
Rivers vaccination supporters group on

100
00:05:00,149 --> 00:05:05,469

Sunday the 17th of June

101

00:05:02,649 --> 00:05:08,469

I drove a couple of hours up the road to

102

00:05:05,470 --> 00:05:11,620

Brisbane or bris Vegas as the locals

103

00:05:08,470 --> 00:05:15,789

like to call it for the pregnancy babies

104

00:05:11,620 --> 00:05:19,060

and children's Expo the Expo ran over

105

00:05:15,788 --> 00:05:21,848

three days and I was volunteering just

106

00:05:19,060 --> 00:05:25,959

for the Sunday for the light for Riley

107

00:05:21,848 --> 00:05:29,110

saw with Kath Hughes since baby Riley

108

00:05:25,959 --> 00:05:32,829

died of whooping cough in March 2015

109

00:05:29,110 --> 00:05:34,750

his parents Kaif and Greg have been

110

00:05:32,829 --> 00:05:36,609

tireless in their efforts to let people

111

00:05:34,750 --> 00:05:40,598

know of the importance of the third

112

00:05:36,610 --> 00:05:43,180

trimester whooping cough vaccine Kath

113

00:05:40,598 --> 00:05:45,418

wasn't offered the vaccine and baby

114

00:05:43,180 --> 00:05:50,110

Riley was too young to be vaccinated

115
00:05:45,418 --> 00:05:52,060
when he contracted the disease so I had

116
00:05:50,110 --> 00:05:55,598
a chance to interview Kath which we will

117
00:05:52,060 --> 00:05:57,339
get to shortly but first whilst I was

118
00:05:55,598 --> 00:05:59,288
there on my lunch break I thought I'd

119
00:05:57,339 --> 00:06:01,719
wander around the expo and see if there

120
00:05:59,288 --> 00:06:04,810
was much non evidence-based stuff being

121
00:06:01,720 --> 00:06:10,510
promoted by the stall holders well I'm

122
00:06:04,810 --> 00:06:15,220
here at the 2018 baby and pregnancy Expo

123
00:06:10,509 --> 00:06:18,279
in Brisbane Queensland and the reason

124
00:06:15,220 --> 00:06:22,389
I'm here is to volunteer at their light

125
00:06:18,279 --> 00:06:27,549
for Riley stand with with Kath Hughes

126
00:06:22,389 --> 00:06:30,280
and more on that bit later while I was

127
00:06:27,550 --> 00:06:32,110
here my thought during my lunch break

128
00:06:30,279 --> 00:06:36,069
that I'd have a little walk around and

129
00:06:32,110 --> 00:06:38,490
see what kind of stall to hear in the

130
00:06:36,069 --> 00:06:38,490
way over

131
00:06:39,038 --> 00:06:42,939
because as we know the mind/body wallet

132
00:06:41,620 --> 00:06:44,439
that I think is held in the same

133
00:06:42,939 --> 00:06:48,610
location here in Brisbane at the

134
00:06:44,439 --> 00:06:50,079
Exhibition Centre is full of it so I

135
00:06:48,610 --> 00:06:52,110
thought well let's have a look around

136
00:06:50,079 --> 00:06:57,098
and see what sort of whoo is being

137
00:06:52,110 --> 00:06:59,500
promoted to expectant mums and dads and

138
00:06:57,098 --> 00:07:04,209
actually I've been really pleasantly

139
00:06:59,500 --> 00:07:08,038
surprised there there isn't that much

140
00:07:04,209 --> 00:07:11,408
here there is an essential oil stand and

141
00:07:08,038 --> 00:07:16,348
there is a browser stand I think they

142
00:07:11,408 --> 00:07:19,750
sell mostly well homeopathic stuff and

143

00:07:16,348 --> 00:07:23,259
the other one that is is a bit of a

144
00:07:19,750 --> 00:07:25,629
worry is the Chiropractic Association of

145
00:07:23,259 --> 00:07:28,090
Australia they have a stall here too I

146
00:07:25,629 --> 00:07:33,370
just walked past it and they've got a

147
00:07:28,089 --> 00:07:36,848
baby mannequin lying on its back on a

148
00:07:33,370 --> 00:07:39,009
chiropractic table they've got a bit of

149
00:07:36,848 --> 00:07:41,680
paraffin paraphernalia around to hand

150
00:07:39,009 --> 00:07:42,848
out to people the number of times I've

151
00:07:41,680 --> 00:07:46,269
walked past there hasn't actually been

152
00:07:42,848 --> 00:07:49,360
anyone talking to them which is good and

153
00:07:46,269 --> 00:07:51,519
the other positive is that three years

154
00:07:49,360 --> 00:07:54,848
ago when I was last here helping out the

155
00:07:51,519 --> 00:07:58,348
light for a least all the chiropractor's

156
00:07:54,848 --> 00:08:02,288
stand here had books called

157
00:07:58,348 --> 00:08:04,839

well-adjusted babies which is a a well

158

00:08:02,288 --> 00:08:06,519

known book in the vaccinations well

159

00:08:04,839 --> 00:08:09,158

chiropractic world but there's a whole

160

00:08:06,519 --> 00:08:10,959

chapter on vaccinations and why you

161

00:08:09,158 --> 00:08:14,218

should not vaccinate your baby that

162

00:08:10,959 --> 00:08:17,888

chiropractic can apparently protect your

163

00:08:14,218 --> 00:08:20,019

baby against all sorts of infectious

164

00:08:17,889 --> 00:08:22,538

disease they would have you believe this

165

00:08:20,019 --> 00:08:29,278

year I haven't seen any copies of those

166

00:08:22,538 --> 00:08:32,049

books around so that is a plus anyway

167

00:08:29,278 --> 00:08:35,338

having a bit more of a look around but

168

00:08:32,049 --> 00:08:40,088

it's it's really good to say that there

169

00:08:35,339 --> 00:08:40,950

is a limited amount of woo here this

170

00:08:40,089 --> 00:08:43,310

year

171

00:08:40,950 --> 00:08:45,750

of course there's a lot of stuff that

172
00:08:43,309 --> 00:08:50,219
parents probably don't need that's being

173
00:08:45,750 --> 00:08:55,200
sold to them but not not not a lot of

174
00:08:50,220 --> 00:08:57,209
stuff that can actually harm baby or new

175
00:08:55,200 --> 00:09:00,509
mums so that's a plus and the other

176
00:08:57,208 --> 00:09:02,219
thing I've noticed is talking to talking

177
00:09:00,509 --> 00:09:04,289
to lots and lots of people today about

178
00:09:02,220 --> 00:09:06,860
vaccinations and how important the third

179
00:09:04,289 --> 00:09:09,659
trimester whooping cough vaccine is

180
00:09:06,860 --> 00:09:12,028
we've had a really positive response I

181
00:09:09,659 --> 00:09:17,850
have not talked to one hesitant person

182
00:09:12,028 --> 00:09:20,578
they all seem to well if I had to take a

183
00:09:17,850 --> 00:09:23,730
guess over 95% of the people I've spoken

184
00:09:20,578 --> 00:09:27,328
to already knew about the third

185
00:09:23,730 --> 00:09:29,278
trimester whooping cough vaccine which

186
00:09:27,328 --> 00:09:32,729
is a big difference two three years ago

187
00:09:29,278 --> 00:09:35,578
when I was here and they have all all

188
00:09:32,730 --> 00:09:37,170
been very very supportive either they've

189
00:09:35,578 --> 00:09:40,259
already had their vaccinations they've

190
00:09:37,169 --> 00:09:42,838
booked in to have them so that's been

191
00:09:40,259 --> 00:09:44,819
really just heartwarming and I can't

192
00:09:42,839 --> 00:09:46,980
imagine what that must mean to Kat as

193
00:09:44,820 --> 00:09:50,850
well of course she's been instrumental

194
00:09:46,980 --> 00:09:53,310
in promoting the vaccine and and getting

195
00:09:50,850 --> 00:09:58,379
the vaccine in the third trimester free

196
00:09:53,309 --> 00:10:01,528
for all pregnant mums so very positive

197
00:09:58,379 --> 00:10:06,139
very positive I'm feeling so so good

198
00:10:01,528 --> 00:10:08,879
coming up to Brisbane from Byron Bay

199
00:10:06,139 --> 00:10:11,578
with so many parents in Brisbane who

200

00:10:08,879 --> 00:10:14,578
just seemed to be so Pro vaccinations

201
00:10:11,578 --> 00:10:17,819
absolutely wonderful new parents are

202
00:10:14,578 --> 00:10:20,309
prime targets for the word crowd as they

203
00:10:17,820 --> 00:10:22,379
often unsure what they need for the new

204
00:10:20,309 --> 00:10:24,119
arrival and of course they want to

205
00:10:22,379 --> 00:10:25,828
provide the best for the baby

206
00:10:24,120 --> 00:10:28,139
and feel confident that they have

207
00:10:25,828 --> 00:10:30,889
everything that's needed prior to the

208
00:10:28,139 --> 00:10:34,139
baby's grand entrance into the world I

209
00:10:30,889 --> 00:10:38,100
recall my first pregnancy 11 years ago

210
00:10:34,139 --> 00:10:39,929
and how overwhelmed I often felt at the

211
00:10:38,100 --> 00:10:42,569
myriad of products out there all

212
00:10:39,929 --> 00:10:45,269
claiming to be able to help settle the

213
00:10:42,568 --> 00:10:47,969
baby to help feed the baby more easily

214
00:10:45,269 --> 00:10:50,850

carry the baby push the baby clothe the

215

00:10:47,970 --> 00:10:54,750

baby change the baby bathe the baby wrap

216

00:10:50,850 --> 00:10:56,519

the baby and so on you are encouraged to

217

00:10:54,750 --> 00:10:59,759

purchase products to help the baby's

218

00:10:56,519 --> 00:11:02,309

physical and emotional development to

219

00:10:59,759 --> 00:11:05,549

play your baby's specific music whilst

220

00:11:02,309 --> 00:11:08,159

they are still in use room that you must

221

00:11:05,549 --> 00:11:10,159

learn baby massage to create that

222

00:11:08,159 --> 00:11:14,490

bonding experience with your new baby

223

00:11:10,159 --> 00:11:16,919

the list is endless I'm happy to say

224

00:11:14,490 --> 00:11:19,940

however that although there were many

225

00:11:16,919 --> 00:11:23,269

many things on show at the expo that

226

00:11:19,940 --> 00:11:25,800

expectant parents probably don't need

227

00:11:23,269 --> 00:11:27,779

there were relatively few things that

228

00:11:25,799 --> 00:11:32,699

have the potential to actually cause

229
00:11:27,779 --> 00:11:35,189
harm in fact I counted only three stalls

230
00:11:32,700 --> 00:11:37,020
that sold products or offered services

231
00:11:35,190 --> 00:11:40,890
that would make a skeptic raise an

232
00:11:37,019 --> 00:11:44,129
eyebrow the first was an aromatherapy

233
00:11:40,889 --> 00:11:46,740
stall selling essential oils their

234
00:11:44,129 --> 00:11:49,620
website described essential oils as

235
00:11:46,740 --> 00:11:52,159
quote a powerful way to enhance a

236
00:11:49,620 --> 00:11:57,049
positive mental and emotional state and

237
00:11:52,159 --> 00:11:59,730
build resistance to pathogens end quote

238
00:11:57,049 --> 00:12:03,240
alongside these essential oils they were

239
00:11:59,730 --> 00:12:05,399
selling aromatherapy defuses apparently

240
00:12:03,240 --> 00:12:08,250
to allow the essential oils to be quote

241
00:12:05,399 --> 00:12:10,889
further enhanced by the high frequency

242
00:12:08,250 --> 00:12:12,169
vibrations of the ultrasonic waves end

243
00:12:10,889 --> 00:12:15,509
quote

244
00:12:12,169 --> 00:12:18,659
hmm they could just advertise them as

245
00:12:15,509 --> 00:12:22,529
for example makes the baby's room smell

246
00:12:18,659 --> 00:12:24,809
less like poo but I guess high frequency

247
00:12:22,529 --> 00:12:28,169
vibrations of ultrasonic wave sounds a

248
00:12:24,809 --> 00:12:30,419
little bit more impressive there was

249
00:12:28,169 --> 00:12:32,699
also a homeopathy store with a

250
00:12:30,419 --> 00:12:34,620
well-known homeopathic brand that is

251
00:12:32,700 --> 00:12:38,009
still sold in pharmacies across

252
00:12:34,620 --> 00:12:40,230
Australia today their products relating

253
00:12:38,009 --> 00:12:45,899
to babies are ones for coughs and colds

254
00:12:40,230 --> 00:12:50,100
runny noses reflux colic and there's one

255
00:12:45,899 --> 00:12:52,409
for cold flu and immunity support their

256
00:12:50,100 --> 00:12:55,830
website states that the immunity support

257

00:12:52,409 --> 00:12:58,789
product contains vitamin d3 to support

258
00:12:55,830 --> 00:13:01,470
immune system health in healthy children

259
00:12:58,789 --> 00:13:03,740
it goes on to say this product also

260
00:13:01,470 --> 00:13:05,670
contains homeopathic ingredients

261
00:13:03,740 --> 00:13:08,049
traditionally used in homeopathic

262
00:13:05,669 --> 00:13:12,549
medicine to relieve fatigue

263
00:13:08,049 --> 00:13:15,429
in healthy children influenza as we know

264
00:13:12,549 --> 00:13:18,459
is a horrible illness that is truck

265
00:13:15,429 --> 00:13:20,799
loads worse than the common cold I would

266
00:13:18,460 --> 00:13:22,990
hope that a baby with influenza symptoms

267
00:13:20,799 --> 00:13:24,819
would not be given a homeopathic product

268
00:13:22,990 --> 00:13:30,250
in the place of getting medical

269
00:13:24,820 --> 00:13:32,320
attention the third stall was one run by

270
00:13:30,250 --> 00:13:34,690
the Chiropractic Association of

271
00:13:32,320 --> 00:13:37,230

Australia and manned by chiropractors

272

00:13:34,690 --> 00:13:39,660

one of whom when I visited at least

273

00:13:37,230 --> 00:13:42,430

specialized in pediatrics

274

00:13:39,659 --> 00:13:45,219

they had a baby mannequin lying on its

275

00:13:42,429 --> 00:13:47,169

back on a chiropractic table and were

276

00:13:45,220 --> 00:13:48,910

handing out information on the alleged

277

00:13:47,169 --> 00:13:52,709

benefits of chiropractic for the

278

00:13:48,909 --> 00:13:55,659

pregnant mum plus the newborn itself I

279

00:13:52,710 --> 00:13:58,389

went and had a brief chat to them about

280

00:13:55,659 --> 00:14:00,909

chiropractic in the newborn and asked

281

00:13:58,389 --> 00:14:03,360

why it was necessary in their opinion to

282

00:14:00,909 --> 00:14:05,769

take a newborn to a chiropractor

283

00:14:03,360 --> 00:14:08,200

the answer I was given was that the

284

00:14:05,769 --> 00:14:11,009

birth experience is highly physically

285

00:14:08,200 --> 00:14:13,300

traumatic for the baby their pediatric

286
00:14:11,009 --> 00:14:15,309
chiropractors could adjust the baby to

287
00:14:13,299 --> 00:14:18,609
maintain optimal health and well-being

288
00:14:15,309 --> 00:14:21,989
for the child problems with reflux and

289
00:14:18,610 --> 00:14:25,000
feeding could also be helped they said I

290
00:14:21,990 --> 00:14:28,090
asked how they diagnosed such problems

291
00:14:25,000 --> 00:14:30,429
in a newborn it's all by touch I was

292
00:14:28,090 --> 00:14:31,870
told and the adjustments are little more

293
00:14:30,429 --> 00:14:34,389
than the pressure you could comfortably

294
00:14:31,870 --> 00:14:37,960
put on your own closed eyelid with your

295
00:14:34,389 --> 00:14:38,830
thumb I thought to myself at that point

296
00:14:37,960 --> 00:14:41,050
Wow

297
00:14:38,830 --> 00:14:43,180
every time someone picks up and holds a

298
00:14:41,049 --> 00:14:44,740
newborn they're putting more than that

299
00:14:43,179 --> 00:14:46,509
amount of pressure on them just by the

300
00:14:44,740 --> 00:14:49,960
fact that they are carrying a three to

301
00:14:46,509 --> 00:14:51,879
four kilogram weight in their arms I had

302
00:14:49,960 --> 00:14:53,740
a flashback of holding my squirming

303
00:14:51,879 --> 00:14:55,840
baby's still on the change table

304
00:14:53,740 --> 00:14:58,830
literally restraining them while I

305
00:14:55,840 --> 00:15:01,899
completed the not so easy nappy changes

306
00:14:58,830 --> 00:15:04,860
how is it that we are not all subluxated

307
00:15:01,899 --> 00:15:06,909
our baby's spines left right and centre

308
00:15:04,860 --> 00:15:10,169
perhaps we are according to the

309
00:15:06,909 --> 00:15:14,049
chiropractors however I wasn't

310
00:15:10,169 --> 00:15:16,029
confrontational or rude as we know some

311
00:15:14,049 --> 00:15:17,919
chiropractors have made claims way

312
00:15:16,029 --> 00:15:19,870
beyond the ones they were claiming here

313
00:15:17,919 --> 00:15:22,049
at the Expo of being able to help with

314

00:15:19,870 --> 00:15:25,089
feeding and reflow

315
00:15:22,049 --> 00:15:27,159
listeners may also remember that certain

316
00:15:25,089 --> 00:15:29,709
members of this particular Chiropractic

317
00:15:27,159 --> 00:15:32,230
Association were caught sneaking into

318
00:15:29,708 --> 00:15:34,958
hospitals to adjust spinal injured

319
00:15:32,230 --> 00:15:37,149
patients three years ago was the last

320
00:15:34,958 --> 00:15:39,159
time I had helped out at the light for

321
00:15:37,149 --> 00:15:43,828
Reilly stall and there was a lot more

322
00:15:39,159 --> 00:15:46,120
woo back then than there was in 2018 I

323
00:15:43,828 --> 00:15:48,099
recall that either a midwife or a

324
00:15:46,120 --> 00:15:50,560
Chiropractic store back then I can't

325
00:15:48,100 --> 00:15:53,800
remember which one was selling a book

326
00:15:50,559 --> 00:15:56,638
called well-adjusted babies that had a

327
00:15:53,799 --> 00:15:59,559
whole anti vaccination chapter in it

328
00:15:56,639 --> 00:16:03,370

thankfully this time there was no such

329

00:15:59,559 --> 00:16:05,888

nonsense being sold and now on to my

330

00:16:03,370 --> 00:16:08,850

interview with a woman who along with

331

00:16:05,889 --> 00:16:12,339

her husband Greg are two of the most

332

00:16:08,850 --> 00:16:14,350

inspirational people I have met here's

333

00:16:12,339 --> 00:16:19,259

my interview with Catherine Hughes

334

00:16:14,350 --> 00:16:24,040

so I'm here with Catherine Hughes who is

335

00:16:19,259 --> 00:16:27,009

the mum of little baby Riley and as

336

00:16:24,039 --> 00:16:30,909

listeners may remember Riley tragically

337

00:16:27,009 --> 00:16:32,230

lost his life after 32 days he was too

338

00:16:30,909 --> 00:16:35,860

young to be vaccinated for whooping

339

00:16:32,230 --> 00:16:38,500

cough Cathy and her husband Greg have

340

00:16:35,860 --> 00:16:40,629

been amazing activists since then to

341

00:16:38,500 --> 00:16:42,370

raise awareness about the importance of

342

00:16:40,629 --> 00:16:44,588

the whooping cough vaccine especially in

343
00:16:42,370 --> 00:16:47,679
the third trimester for pregnant mums so

344
00:16:44,589 --> 00:16:50,310
guys tell us a little bit about light

345
00:16:47,679 --> 00:16:53,559
for Riley and and your journey since

346
00:16:50,309 --> 00:16:55,899
Riley tragically passed away thanks

347
00:16:53,559 --> 00:16:58,239
Harvey we started our life for Riley

348
00:16:55,899 --> 00:17:01,809
campaign pretty much the day after we

349
00:16:58,240 --> 00:17:04,390
lost Riley we'd learned when I was in

350
00:17:01,809 --> 00:17:06,308
hospital with Riley that other countries

351
00:17:04,390 --> 00:17:08,709
for doing pregnancy vaccination programs

352
00:17:06,308 --> 00:17:12,548
and I remember you know as he lay dying

353
00:17:08,709 --> 00:17:14,439
there sitting there thinking why did we

354
00:17:12,548 --> 00:17:17,529
not have this vaccine why wasn't it

355
00:17:14,439 --> 00:17:19,480
offered to us we put up a post on

356
00:17:17,529 --> 00:17:21,639
Facebook and it went pretty viral so we

357
00:17:19,480 --> 00:17:23,199
had media at her house you know knocking

358
00:17:21,640 --> 00:17:27,610
at the door the next morning which was

359
00:17:23,199 --> 00:17:29,740
just beyond overwhelming but my husband

360
00:17:27,609 --> 00:17:32,439
was braver than I was and he was happy

361
00:17:29,740 --> 00:17:34,980
to talk to them and use that as an

362
00:17:32,440 --> 00:17:37,029
opportunity to create pressure and

363
00:17:34,980 --> 00:17:39,759
encourage their government to introduce

364
00:17:37,029 --> 00:17:41,980
these third trimester boosters which you

365
00:17:39,759 --> 00:17:43,240
know if we had had that with Riley we

366
00:17:41,980 --> 00:17:45,009
really believe it would have saved his

367
00:17:43,240 --> 00:17:46,470
life and it's kind of snowballed from

368
00:17:45,009 --> 00:17:48,908
there we travel around to these

369
00:17:46,470 --> 00:17:50,440
pregnancy babies and Children's Expos

370
00:17:48,909 --> 00:17:54,100
and I do a little bit of public speaking

371

00:17:50,440 --> 00:17:56,740
and we run our social media page as well

372
00:17:54,099 --> 00:17:58,240
to try and encourage people to vaccinate

373
00:17:56,740 --> 00:18:01,779
and find out about just how dangerous

374
00:17:58,240 --> 00:18:03,849
who think of can be yeah as you remember

375
00:18:01,779 --> 00:18:07,950
I was up here helping you three years

376
00:18:03,849 --> 00:18:10,928
ago at the still and same location and

377
00:18:07,950 --> 00:18:13,840
tell me what your experience has been

378
00:18:10,929 --> 00:18:16,269
the difference between three years ago

379
00:18:13,839 --> 00:18:18,579
and today in interacting with people at

380
00:18:16,269 --> 00:18:21,190
these Expos there's been a huge

381
00:18:18,579 --> 00:18:23,529
difference I've noticed a lot more

382
00:18:21,190 --> 00:18:26,580
people at this Expo compared to back in

383
00:18:23,529 --> 00:18:28,779
2015 a lot more people are aware of

384
00:18:26,579 --> 00:18:31,058
pregnancy vaccinations and they're

385
00:18:28,779 --> 00:18:32,918

accepting of it and they think it's the

386

00:18:31,058 --> 00:18:34,240

norm that will come up to us and say yes

387

00:18:32,919 --> 00:18:36,040

you know we've had oh we're so proud of

388

00:18:34,240 --> 00:18:38,109

ourselves don't worry about us you know

389

00:18:36,039 --> 00:18:39,158

we've had a third trimester booster and

390

00:18:38,109 --> 00:18:41,529

you look at them and they're really

391

00:18:39,159 --> 00:18:43,419

proud of themselves and it's really

392

00:18:41,529 --> 00:18:46,149

wonderful to see that that awareness is

393

00:18:43,419 --> 00:18:49,929

finally really good out there and if you

394

00:18:46,150 --> 00:18:52,480

had any experience that these expose you

395

00:18:49,929 --> 00:18:54,349

much experience with hesitant parents or

396

00:18:52,480 --> 00:18:57,179

even

397

00:18:54,348 --> 00:18:58,918

approached you I love chatting to the

398

00:18:57,179 --> 00:19:00,389

hesitant parents there's not a whole lot

399

00:18:58,919 --> 00:19:02,399

of them but we do get approached from

400
00:19:00,388 --> 00:19:04,618
time to time and I sort of say look it's

401
00:19:02,398 --> 00:19:06,329
normal to have questions about about

402
00:19:04,618 --> 00:19:09,388
parenting and what we do with our

403
00:19:06,329 --> 00:19:11,218
children you know it's it just shows

404
00:19:09,388 --> 00:19:14,908
that that they're thoughtful enough to

405
00:19:11,219 --> 00:19:16,499
care so we have quite long productive

406
00:19:14,909 --> 00:19:18,419
discussions with those parents and

407
00:19:16,499 --> 00:19:19,889
usually ends with them thing you know

408
00:19:18,419 --> 00:19:23,700
somewhat accepting or at least willing

409
00:19:19,888 --> 00:19:26,058
to take on board our information you

410
00:19:23,700 --> 00:19:29,609
know anti-vaxxers we get a lot of online

411
00:19:26,058 --> 00:19:31,378
we haven't had too much thankfully to

412
00:19:29,608 --> 00:19:33,239
deal with them at the expo okay so you

413
00:19:31,378 --> 00:19:34,259
get the odd comment that really most of

414
00:19:33,239 --> 00:19:37,409
the people that these experts are really

415
00:19:34,259 --> 00:19:39,358
lovely it's really it's it's different I

416
00:19:37,409 --> 00:19:41,190
find when you actually are face to face

417
00:19:39,358 --> 00:19:43,468
with someone as opposed to the other

418
00:19:41,190 --> 00:19:46,528
side of a computer screen behind a

419
00:19:43,469 --> 00:19:49,950
keyboard people are a lot less likely I

420
00:19:46,528 --> 00:19:53,338
think to to be rude to you face to face

421
00:19:49,950 --> 00:19:55,709
and sometimes if they can I think be

422
00:19:53,338 --> 00:19:59,608
taken aback at that were actually nice

423
00:19:55,709 --> 00:20:00,989
people and yet so the face to face

424
00:19:59,608 --> 00:20:04,618
conversations I think they're really

425
00:20:00,989 --> 00:20:06,028
important to have as it as important if

426
00:20:04,618 --> 00:20:08,098
not more important than they online

427
00:20:06,028 --> 00:20:10,229
conversations with disease yeah

428

00:20:08,098 --> 00:20:13,798
definitely it's completely different to

429
00:20:10,229 --> 00:20:15,269
interacting online online people aren't

430
00:20:13,798 --> 00:20:18,358
scared to voice their opinion quickly

431
00:20:15,269 --> 00:20:20,519
rudely without thinking about it they'll

432
00:20:18,358 --> 00:20:21,839
just do it rose in pair some people are

433
00:20:20,519 --> 00:20:23,399
a lot more thoughtful I think about what

434
00:20:21,839 --> 00:20:25,378
they're going to say a lot more

435
00:20:23,398 --> 00:20:26,939
respectful and so I'm sure there's been

436
00:20:25,378 --> 00:20:28,709
people who've come up to us and who

437
00:20:26,940 --> 00:20:31,109
don't agree with vaccinations for

438
00:20:28,710 --> 00:20:33,149
whatever reason but they're polite about

439
00:20:31,108 --> 00:20:35,579
it and they will you know at least

440
00:20:33,148 --> 00:20:37,558
accept our information and not not I

441
00:20:35,579 --> 00:20:41,848
guess give us that abuse that we get

442
00:20:37,558 --> 00:20:45,028

online yeah yeah and as far as the light

443

00:20:41,848 --> 00:20:48,088

for Riley campaign goes and the Facebook

444

00:20:45,028 --> 00:20:52,319

page and everything do you think do you

445

00:20:48,088 --> 00:20:54,298

think it's been helpful in might be

446

00:20:52,319 --> 00:20:56,158

getting a little bit personal but do you

447

00:20:54,298 --> 00:20:58,469

think it's been helpful in the grief

448

00:20:56,159 --> 00:21:00,899

process for you if you were to take out

449

00:20:58,469 --> 00:21:03,179

of the equation the anti-vaccination

450

00:21:00,898 --> 00:21:05,308

people online if you were to take away

451

00:21:03,179 --> 00:21:08,960

that that element of it do you think

452

00:21:05,308 --> 00:21:11,899

that it's been beneficial in

453

00:21:08,960 --> 00:21:16,819

the grading process here I do think it's

454

00:21:11,900 --> 00:21:19,100

quite a therapeutic process as a braved

455

00:21:16,819 --> 00:21:21,169

parent you know child loss is a pretty

456

00:21:19,099 --> 00:21:22,879

dark cloud and it was really important

457
00:21:21,170 --> 00:21:25,310
for us to find some kind of silver

458
00:21:22,880 --> 00:21:28,040
lining or else it was just really hard

459
00:21:25,309 --> 00:21:30,619
to function especially in those very

460
00:21:28,039 --> 00:21:33,379
early days where you just fill out your

461
00:21:30,619 --> 00:21:35,329
hearts been ripped out and you honestly

462
00:21:33,380 --> 00:21:37,220
you've walked out of that hospital

463
00:21:35,329 --> 00:21:39,319
without your baby a completely different

464
00:21:37,220 --> 00:21:42,650
person you don't know how you're going

465
00:21:39,319 --> 00:21:45,049
to get out of bed the next day but just

466
00:21:42,650 --> 00:21:46,940
having something to focus on was really

467
00:21:45,049 --> 00:21:49,399
very helpful for us in those early

468
00:21:46,940 --> 00:21:51,620
stages now it's just that sort of

469
00:21:49,400 --> 00:21:53,300
balancing act between okay well I've got

470
00:21:51,619 --> 00:21:54,849
other things in my life I've got other

471
00:21:53,299 --> 00:21:57,349
children you know so it's a matter of

472
00:21:54,849 --> 00:21:58,939
balancing and not getting too focused on

473
00:21:57,349 --> 00:22:01,069
this stuff which I can you know

474
00:21:58,940 --> 00:22:03,610
sometimes I just get so drawn into what

475
00:22:01,069 --> 00:22:05,689
we're doing but overall yes very very

476
00:22:03,609 --> 00:22:07,909
therapeutic I think talking about

477
00:22:05,690 --> 00:22:10,269
Riley's story it's definitely did help

478
00:22:07,910 --> 00:22:13,700
just having an avenue to express our

479
00:22:10,269 --> 00:22:16,460
emotion yeah and tell the listeners a

480
00:22:13,700 --> 00:22:18,350
little bit about the foundation we

481
00:22:16,460 --> 00:22:20,480
started the immunization foundation of

482
00:22:18,349 --> 00:22:23,029
Australia about a year after we lost

483
00:22:20,480 --> 00:22:26,000
Riley we wanted to create an umbrella

484
00:22:23,029 --> 00:22:27,559
foundation so that if other parents you

485

00:22:26,000 --> 00:22:29,359
know how to experiences with vaccine

486
00:22:27,559 --> 00:22:31,700
preventable diseases or other people

487
00:22:29,359 --> 00:22:33,949
wanted to have campaigns or projects

488
00:22:31,700 --> 00:22:35,990
just like like for Riley they could do

489
00:22:33,950 --> 00:22:39,460
it under the umbrella of our foundation

490
00:22:35,990 --> 00:22:41,809
so the mission of the foundation is to

491
00:22:39,460 --> 00:22:43,730
reduce the amount of harm and suffering

492
00:22:41,809 --> 00:22:46,690
caused by vaccine preventable diseases

493
00:22:43,730 --> 00:22:48,650
both in Australia and overseas as well

494
00:22:46,690 --> 00:22:51,019
so we're quite passionate about raising

495
00:22:48,650 --> 00:22:53,210
awareness about diseases so people don't

496
00:22:51,019 --> 00:22:54,680
forget you know what those diseases are

497
00:22:53,210 --> 00:22:58,400
that they do exist that they're out

498
00:22:54,680 --> 00:23:00,049
there and also to do some overseas aid

499
00:22:58,400 --> 00:23:02,560

work which we've just commenced in

500

00:23:00,049 --> 00:23:04,819

Tanzania with a rollout of some

501

00:23:02,559 --> 00:23:08,299

pneumococcal vaccination program well

502

00:23:04,819 --> 00:23:10,129

really yeah well thanks to Professor

503

00:23:08,299 --> 00:23:11,930

Robert boy it's a project that has led

504

00:23:10,130 --> 00:23:14,210

and that we've decided that we would

505

00:23:11,930 --> 00:23:16,690

like to fund so it's training

506

00:23:14,210 --> 00:23:18,700

immunization nurses up over there too

507

00:23:16,690 --> 00:23:20,320

to roll out a two-dose pneumococcal

508

00:23:18,700 --> 00:23:22,660

vaccination program rather than a

509

00:23:20,319 --> 00:23:24,099

three-dose vaccination program which

510

00:23:22,660 --> 00:23:26,470

means it's a lot cheaper for the

511

00:23:24,099 --> 00:23:28,809

countries to run you know the developing

512

00:23:26,470 --> 00:23:30,670

countries but there's a lot of really

513

00:23:28,809 --> 00:23:33,609

good evidence it shows that two doses of

514
00:23:30,670 --> 00:23:37,330
pneumococcal vaccine is enough to

515
00:23:33,609 --> 00:23:40,750
protect yeah Wow that's well you learn

516
00:23:37,329 --> 00:23:43,179
something new so tell me where can

517
00:23:40,750 --> 00:23:46,089
people go to if they want to find out

518
00:23:43,180 --> 00:23:49,000
more about the immunization foundation

519
00:23:46,089 --> 00:23:51,369
and possibly make a donation to such a

520
00:23:49,000 --> 00:23:53,079
worthy cause that would be amazing we

521
00:23:51,369 --> 00:23:55,629
don't have any funding at the moment so

522
00:23:53,079 --> 00:23:57,369
it's all on donations currently and you

523
00:23:55,630 --> 00:24:01,260
can donate on our website which is

524
00:23:57,369 --> 00:24:05,859
immunization foundation.org AM

525
00:24:01,259 --> 00:24:07,569
immunization foundation or a you okay

526
00:24:05,859 --> 00:24:10,629
well we better get back to the store

527
00:24:07,569 --> 00:24:13,299
that pregnancy Expo is winding down and

528
00:24:10,630 --> 00:24:16,300
you're hopping on a plane back to Perth

529
00:24:13,299 --> 00:24:18,789
tonight so you've got still a few hours

530
00:24:16,299 --> 00:24:23,349
ahead of you yet but thank you for your

531
00:24:18,789 --> 00:24:26,710
time and and I'll catch you I'm sure if

532
00:24:23,349 --> 00:24:28,359
not at the next pregnancy Expo at maybe

533
00:24:26,710 --> 00:24:28,809
the next gifticon coming up you never

534
00:24:28,359 --> 00:24:30,279
know

535
00:24:28,809 --> 00:24:33,069
thanks so much for volunteering today

536
00:24:30,279 --> 00:24:46,789
Holly - oh you're very welcome thank you

537
00:24:33,069 --> 00:24:49,710
[Music]

538
00:24:46,789 --> 00:24:52,470
Kwak watch your guide to quackery health

539
00:24:49,710 --> 00:24:53,610
fraud and intelligent decisions operated

540
00:24:52,470 --> 00:24:56,460
by Stephan Barratt

541
00:24:53,609 --> 00:24:58,559
MD quack watch is now an international

542

00:24:56,460 --> 00:25:00,779
network of people who concerned about

543
00:24:58,559 --> 00:25:02,609
health-related frauds myths fans

544
00:25:00,779 --> 00:25:05,759
fallacies and misconducted

545
00:25:02,609 --> 00:25:07,769
its primary focus is on quackery related

546
00:25:05,759 --> 00:25:10,049
information that is difficult or

547
00:25:07,769 --> 00:25:13,319
impossible to get elsewhere articles are

548
00:25:10,049 --> 00:25:16,710
in quackery include quackery how should

549
00:25:13,319 --> 00:25:20,639
it be defined how it sells 26 ways to

550
00:25:16,710 --> 00:25:23,190
spot it how it calms cancer patients 7

551
00:25:20,640 --> 00:25:25,680
warning signs for bogus science why

552
00:25:23,190 --> 00:25:28,740
health professionals become quacks and

553
00:25:25,680 --> 00:25:31,250
many more including in-depth looks at an

554
00:25:28,740 --> 00:25:35,809
acupuncture chiropractic homeopathy

555
00:25:31,250 --> 00:25:38,200
naturopathy and much more visit w-w-w

556
00:25:35,809 --> 00:25:43,480

watch calm

557

00:25:38,200 --> 00:25:43,480
[Music]

558

00:25:46,369 --> 00:26:00,019
[Music]

559

00:25:57,130 --> 00:26:03,860
now here's a press release from the

560

00:26:00,019 --> 00:26:05,569
Queensland Government and for

561

00:26:03,859 --> 00:26:09,918
international listeners who may not know

562

00:26:05,569 --> 00:26:12,168
Queensland is a very sizable state in

563

00:26:09,919 --> 00:26:14,240
Australia to the north of New South

564

00:26:12,169 --> 00:26:17,470
Wales it's a massive state popular for

565

00:26:14,240 --> 00:26:20,450
our the Great Barrier Reef tourism

566

00:26:17,470 --> 00:26:21,200
rainforest that sort of thing however

567

00:26:20,450 --> 00:26:24,730
here we go

568

00:26:21,200 --> 00:26:27,950
fair trading takes beef with

569

00:26:24,730 --> 00:26:29,899
unsubstantiated cancer cure business

570

00:26:27,950 --> 00:26:32,000
find eleven thousand five hundred and

571
00:26:29,898 --> 00:26:34,729
ninety two dollars and this press

572
00:26:32,000 --> 00:26:39,740
release comes to us on the 14th of June

573
00:26:34,730 --> 00:26:41,990
2018 a Queensland business has been

574
00:26:39,740 --> 00:26:44,120
ordered to pay more than eleven thousand

575
00:26:41,990 --> 00:26:47,960
dollars by the Brisbane Magistrates

576
00:26:44,119 --> 00:26:50,898
Court today 13th of June 2018 for

577
00:26:47,960 --> 00:26:54,079
failing to substantiate claims following

578
00:26:50,898 --> 00:26:56,658
an Office of Fair Trading investigation

579
00:26:54,079 --> 00:27:00,528
son beef proprietary limited training

580
00:26:56,659 --> 00:27:02,299
his son Altima failed to comply with a

581
00:27:00,528 --> 00:27:04,700
notice issued by the Office of Fair

582
00:27:02,298 --> 00:27:06,889
Trading which was seeking to

583
00:27:04,700 --> 00:27:11,019
substantiate claims about its product

584
00:27:06,890 --> 00:27:15,710
curing skin cancer son beef was fined

585
00:27:11,019 --> 00:27:17,990
\$10,000 plus professional costs of \$1500

586
00:27:15,710 --> 00:27:21,079
in addition to \$92 court costs a

587
00:27:17,990 --> 00:27:23,028
conviction was recorded the court heard

588
00:27:21,079 --> 00:27:26,058
that the Office of Fair Trading received

589
00:27:23,028 --> 00:27:29,240
a complaint in 2017 regarding a son

590
00:27:26,058 --> 00:27:31,460
ultimate product in an advertisement the

591
00:27:29,240 --> 00:27:36,440
product of five millilitres son Ultima

592
00:27:31,460 --> 00:27:40,028
skin cancer cure retailed for 560

593
00:27:36,440 --> 00:27:44,480
dollars and was marketed as a quote

594
00:27:40,028 --> 00:27:47,778
natural herbal derived skin cancer cure

595
00:27:44,480 --> 00:27:49,909
end quote son Altimas website also

596
00:27:47,778 --> 00:27:52,250
featured testimonials from three people

597
00:27:49,909 --> 00:27:54,650
who claimed the product had cured their

598
00:27:52,250 --> 00:27:56,930
cancers in the office of fair trade

599

00:27:54,650 --> 00:28:00,050
commenced with an investigation into Sun

600
00:27:56,930 --> 00:28:02,600
Ultima as it was concerned the trader

601
00:28:00,049 --> 00:28:05,480
was misleading vulnerable customers many

602
00:28:02,599 --> 00:28:08,209
of whom may be desperate for a cure that

603
00:28:05,480 --> 00:28:10,308
the Sun ultimate product was a cure for

604
00:28:08,210 --> 00:28:12,680
skin cancer as the Queensland

605
00:28:10,308 --> 00:28:14,750
marketplace regulator the Office of Fair

606
00:28:12,680 --> 00:28:17,320
Trading requested Sun Ultima provide

607
00:28:14,750 --> 00:28:19,579
information to substantiate the claims

608
00:28:17,319 --> 00:28:22,579
identified the people who had provided

609
00:28:19,579 --> 00:28:25,220
testimonials and showed the product was

610
00:28:22,579 --> 00:28:28,279
appropriately endorsed for the treatment

611
00:28:25,220 --> 00:28:29,960
of skin cancer Sun ultimate refused to

612
00:28:28,279 --> 00:28:32,690
provide documents substantiating the

613
00:28:29,960 --> 00:28:36,500

claims made for the product fair trading

614

00:28:32,690 --> 00:28:39,259

executive director Brian Bower said the

615

00:28:36,500 --> 00:28:42,250

result served as a prompt to businesses

616

00:28:39,259 --> 00:28:45,079

to treat consumers fairly quote

617

00:28:42,250 --> 00:28:48,069

businesses must ensure that they are

618

00:28:45,079 --> 00:28:51,169

aware of their Australian Consumer Law

619

00:28:48,069 --> 00:28:52,819

obligations and aren't misrepresenting

620

00:28:51,170 --> 00:28:56,509

their products to consumers end quote

621

00:28:52,819 --> 00:28:58,428

mr. Bower said quote a failure to follow

622

00:28:56,509 --> 00:29:01,339

these obligations will result in

623

00:28:58,429 --> 00:29:04,220

enforcement action by Fair Trading

624

00:29:01,339 --> 00:29:06,259

it is particularly despicable when a

625

00:29:04,220 --> 00:29:08,690

business preys on desperate and

626

00:29:06,259 --> 00:29:10,549

vulnerable consumers the Office of Fair

627

00:29:08,690 --> 00:29:12,620

Trading will investigate and bring

628
00:29:10,549 --> 00:29:14,779
matters like this before the courts end

629
00:29:12,619 --> 00:29:16,819
quote more information on consumer and

630
00:29:14,779 --> 00:29:22,428
business rights and responsibilities can

631
00:29:16,819 --> 00:29:24,889
be found at wwq LD gov au / Fair Trading

632
00:29:22,429 --> 00:29:27,380
and of course there will be a link on

633
00:29:24,890 --> 00:29:31,309
this week's show not an important story

634
00:29:27,380 --> 00:29:33,950
the correct avenues being pursued there

635
00:29:31,308 --> 00:29:36,289
the correct course of action and a

636
00:29:33,950 --> 00:29:37,940
company making unsubstantiated cancer

637
00:29:36,289 --> 00:29:40,609
cures have been brought before the

638
00:29:37,940 --> 00:29:42,230
courts and we can only hope that more

639
00:29:40,609 --> 00:29:45,259
companies like this will end up before

640
00:29:42,230 --> 00:29:47,390
the courts and asked to please provide

641
00:29:45,259 --> 00:29:48,960
information to back up their amazing

642
00:29:47,390 --> 00:29:50,110
claims

643
00:29:48,960 --> 00:29:52,730
[Music]

644
00:29:50,109 --> 00:30:16,909
and thank you to heidi robinson for

645
00:29:52,730 --> 00:30:18,769
bringing this story to my attention well

646
00:30:16,910 --> 00:30:20,690
it's been a wonderful day here at

647
00:30:18,769 --> 00:30:21,769
skeptical are they still going on but I've

648
00:30:20,690 --> 00:30:24,980
snuck outside

649
00:30:21,769 --> 00:30:28,940
I'm with Kyle Pollock who does a podcast

650
00:30:24,980 --> 00:30:29,930
called the data skeptic what what what

651
00:30:28,940 --> 00:30:32,660
what is this all about

652
00:30:29,930 --> 00:30:35,000
what do you skeptical of with data well

653
00:30:32,660 --> 00:30:37,610
I used to say I'm skeptical of and with

654
00:30:35,000 --> 00:30:39,559
data that data is not only the tool we

655
00:30:37,609 --> 00:30:41,179
use to do applied skepticism but it's

656

00:30:39,559 --> 00:30:42,679
something to be skeptical of because

657
00:30:41,180 --> 00:30:44,720
people can lie with statistics if they

658
00:30:42,680 --> 00:30:47,420
choose to that's an interesting angle

659
00:30:44,720 --> 00:30:50,450
because the talk which you gave about an

660
00:30:47,420 --> 00:30:52,250
hour ago or so was all about artificial

661
00:30:50,450 --> 00:30:55,759
intelligence so how does that wrap

662
00:30:52,250 --> 00:30:57,980
itself into what you do so AI is kind of

663
00:30:55,759 --> 00:30:59,539
this goal state if you will of people in

664
00:30:57,980 --> 00:31:01,880
the computer science world working on

665
00:30:59,539 --> 00:31:04,039
machine learning machine learning is a

666
00:31:01,880 --> 00:31:06,110
powerful technology in play and a lot of

667
00:31:04,039 --> 00:31:07,670
places in our world today I would be

668
00:31:06,109 --> 00:31:09,919
impressed if anyone could claim they

669
00:31:07,670 --> 00:31:12,440
don't see its benefits on a day to day

670
00:31:09,920 --> 00:31:13,759

basis from Google searches to our phones

671

00:31:12,440 --> 00:31:15,320

that hear our language and all these

672

00:31:13,759 --> 00:31:17,269

sorts of wonderful advancements and

673

00:31:15,319 --> 00:31:18,529

there's this pinnacle thing we'd one day

674

00:31:17,269 --> 00:31:20,900

like to do and that's make a machine

675

00:31:18,529 --> 00:31:23,119

think and while I have no doubt that

676

00:31:20,900 --> 00:31:25,730

eventually homo sapiens have figured out

677

00:31:23,119 --> 00:31:27,679

a way to do that the path to getting to

678

00:31:25,730 --> 00:31:29,990

it isn't totally clear but I'm excited

679

00:31:27,680 --> 00:31:31,759

to cover the road the advancements along

680

00:31:29,990 --> 00:31:33,289

that path and also be skeptical of the

681

00:31:31,759 --> 00:31:35,089

claim that are a bit dubious along the

682

00:31:33,289 --> 00:31:37,819

lines there are a lot of claims out yeah

683

00:31:35,089 --> 00:31:38,899

yeah you you're speaking about some of

684

00:31:37,819 --> 00:31:40,460

them today but I'm interested in this

685
00:31:38,900 --> 00:31:44,210
whole concept of artificial intelligence

686
00:31:40,460 --> 00:31:47,150
at what stage do you consider this

687
00:31:44,210 --> 00:31:50,090
computer sitting on the floor has

688
00:31:47,150 --> 00:31:51,769
artificial intelligence as opposed to oh

689
00:31:50,089 --> 00:31:53,689
it's just a very good and quick computer

690
00:31:51,769 --> 00:31:55,309
well we have today is just a very good

691
00:31:53,690 --> 00:31:57,340
and quick computer that's right yeah

692
00:31:55,309 --> 00:31:59,559
absolutely there are thing

693
00:31:57,339 --> 00:32:00,459
that worked today that are almost spooky

694
00:31:59,559 --> 00:32:02,740
and how good they are

695
00:32:00,460 --> 00:32:04,329
I'm impressed with language translation

696
00:32:02,740 --> 00:32:06,490
the state of the art to go from English

697
00:32:04,329 --> 00:32:08,349
to Spanish or some other language it

698
00:32:06,490 --> 00:32:10,779
used to be with simple word replacement

699
00:32:08,349 --> 00:32:12,189
and there'd be these funny things you'd

700
00:32:10,779 --> 00:32:14,039
put it into some system that would

701
00:32:12,190 --> 00:32:16,299
translate you'd get just gibberish out

702
00:32:14,039 --> 00:32:18,039
not so much anymore

703
00:32:16,299 --> 00:32:20,710
the mistakes those machines make today

704
00:32:18,039 --> 00:32:22,210
are few and far between and even the

705
00:32:20,710 --> 00:32:24,309
ones they do seem to highlight an

706
00:32:22,210 --> 00:32:25,840
incompatibility of languages you know

707
00:32:24,309 --> 00:32:29,019
where one language is more expressive in

708
00:32:25,839 --> 00:32:30,939
some fact in some way than another yet

709
00:32:29,019 --> 00:32:33,400
we don't call that AI it's it's very

710
00:32:30,940 --> 00:32:34,960
good at a very specific task and that's

711
00:32:33,400 --> 00:32:36,400
what's been the major breakthroughs and

712
00:32:34,960 --> 00:32:38,350
achievements we've seen in the last

713

00:32:36,400 --> 00:32:40,030
couple of decades you know getting

714
00:32:38,349 --> 00:32:42,459
really good at really specific things

715
00:32:40,029 --> 00:32:44,379
but to get good at general intelligence

716
00:32:42,460 --> 00:32:46,720
that's still just out of reach for

717
00:32:44,380 --> 00:32:49,420
current state of the art technology yeah

718
00:32:46,720 --> 00:32:51,220
you're absolutely right because how you

719
00:32:49,420 --> 00:32:54,039
hear this tone up I've heard this term

720
00:32:51,220 --> 00:32:56,079
for years yeah I mean what I really

721
00:32:54,039 --> 00:32:58,990
think about it I one of my first Jobs

722
00:32:56,079 --> 00:33:02,349
was in computers educational software

723
00:32:58,990 --> 00:33:04,089
and that was in the 80s and I think I

724
00:33:02,349 --> 00:33:05,980
remember hearing the term artificial

725
00:33:04,089 --> 00:33:08,439
intelligence even way back then well it

726
00:33:05,980 --> 00:33:10,660
goes back to the 50s really our great

727
00:33:08,440 --> 00:33:12,340

founding father Alan Turing was the

728

00:33:10,660 --> 00:33:15,300

first deposit the question can a machine

729

00:33:12,339 --> 00:33:18,429

think in his 1950 paper very

730

00:33:15,299 --> 00:33:20,049

forward-looking you know outlined kind

731

00:33:18,430 --> 00:33:21,910

of the argument and how we would test

732

00:33:20,049 --> 00:33:24,039

for it through the imitation game and

733

00:33:21,910 --> 00:33:25,840

we're still testing a bit today but

734

00:33:24,039 --> 00:33:29,139

we're not quite there yet at the general

735

00:33:25,839 --> 00:33:32,589

intelligence level and you and your talk

736

00:33:29,140 --> 00:33:35,770

you're talking about the the test mr.

737

00:33:32,589 --> 00:33:39,609

Turing test isn't it yeah and for people

738

00:33:35,769 --> 00:33:40,980

who don't know that's where a person

739

00:33:39,609 --> 00:33:42,779

enters a room and there

740

00:33:40,980 --> 00:33:44,490

have two responses and they have to

741

00:33:42,779 --> 00:33:46,319

figure out if the response a is a human

742
00:33:44,490 --> 00:33:48,690
or a computer and response B is it from

743
00:33:46,319 --> 00:33:50,639
a human or a computer and I think I've

744
00:33:48,690 --> 00:33:53,880
come across that myself there's certain

745
00:33:50,640 --> 00:33:55,770
online help sure yeah situations where

746
00:33:53,880 --> 00:33:58,710
I've been spending 10 minutes chatting

747
00:33:55,769 --> 00:34:01,339
to to Mary or whatever it is and I

748
00:33:58,710 --> 00:34:04,079
thought wait a minute this is just a bot

749
00:34:01,339 --> 00:34:06,509
that's that's scary that's spooky

750
00:34:04,079 --> 00:34:09,360
yeah that technology is advancing

751
00:34:06,509 --> 00:34:11,969
quickly and for specific tasks book me a

752
00:34:09,360 --> 00:34:13,710
flight arrange my vacation you know

753
00:34:11,969 --> 00:34:15,779
things that you can kind of quantify and

754
00:34:13,710 --> 00:34:17,789
isolate is a limited number of inputs

755
00:34:15,780 --> 00:34:18,900
and outputs that technology is really

756
00:34:17,789 --> 00:34:20,940
getting there and I think we're gonna

757
00:34:18,900 --> 00:34:23,190
see a transformation over the next five

758
00:34:20,940 --> 00:34:25,500
to ten years where chat BOTS become the

759
00:34:23,190 --> 00:34:27,659
new user interface yeah but in the same

760
00:34:25,500 --> 00:34:29,639
way you go to your web browser to find a

761
00:34:27,659 --> 00:34:31,980
website you go to your email client to

762
00:34:29,639 --> 00:34:33,929
do email there's no general purpose

763
00:34:31,980 --> 00:34:35,760
anything yet obviously Google aspires to

764
00:34:33,929 --> 00:34:37,050
be that with their block or their search

765
00:34:35,760 --> 00:34:39,570
box and maybe they'll get there one day

766
00:34:37,050 --> 00:34:41,310
but it's not a conversational agent and

767
00:34:39,570 --> 00:34:43,350
one of the things Turing identified as

768
00:34:41,309 --> 00:34:45,989
conversation is really a key to

769
00:34:43,349 --> 00:34:47,789
measuring intelligence it's not can one

770

00:34:45,989 --> 00:34:49,859
bot be convincing for 10 minutes while

771
00:34:47,789 --> 00:34:52,409
you find out if your warranty is expired

772
00:34:49,860 --> 00:34:54,570
it's you know when you are aware that

773
00:34:52,409 --> 00:34:56,250
you might be talking to a machine can

774
00:34:54,570 --> 00:34:57,570
you tell the difference if it's actively

775
00:34:56,250 --> 00:34:59,280
trying to deceive you that that's the

776
00:34:57,570 --> 00:35:01,710
real measure of an intelligent thinking

777
00:34:59,280 --> 00:35:04,230
machine and that hasn't happened yet

778
00:35:01,710 --> 00:35:06,389
although there are situations with me

779
00:35:04,230 --> 00:35:08,849
and my online chat where I was trying to

780
00:35:06,389 --> 00:35:10,650
fix a problem with my phone service and

781
00:35:08,849 --> 00:35:12,179
it occurred to me sometime down the

782
00:35:10,650 --> 00:35:13,920
track that this wasn't a human but not

783
00:35:12,179 --> 00:35:15,690
originally there are asked they were

784
00:35:13,920 --> 00:35:17,250

saying how I used today what can I do

785

00:35:15,690 --> 00:35:18,150

for you let me look that up that sort of

786

00:35:17,250 --> 00:35:20,190

thing yeah of course

787

00:35:18,150 --> 00:35:22,139

you're going into it first with the

788

00:35:20,190 --> 00:35:24,150

assumption you're talking to a human but

789

00:35:22,139 --> 00:35:26,339

not necessarily the expectation that

790

00:35:24,150 --> 00:35:28,740

you're going to be deceived yes and that

791

00:35:26,340 --> 00:35:30,840

agent if it's well coated it's doing a

792

00:35:28,739 --> 00:35:33,359

good job and it can get pretty far into

793

00:35:30,840 --> 00:35:35,640

a conversation because you know think

794

00:35:33,360 --> 00:35:38,519

about it if you call a car rental agency

795

00:35:35,639 --> 00:35:39,960

there is probably one of four questions

796

00:35:38,519 --> 00:35:41,429

you're gonna ask you know can I change

797

00:35:39,960 --> 00:35:43,349

my appointment you have availability

798

00:35:41,429 --> 00:35:44,969

things that they've heard a thousand

799
00:35:43,349 --> 00:35:46,559
times and have probably been tracking

800
00:35:44,969 --> 00:35:48,029
you know through the software they've

801
00:35:46,559 --> 00:35:50,279
had on the machines for a while so

802
00:35:48,030 --> 00:35:53,160
building a system that's an expert in

803
00:35:50,280 --> 00:35:54,850
these very narrow areas can get you 10

804
00:35:53,159 --> 00:35:56,949
minutes into a conversation but

805
00:35:54,849 --> 00:35:59,409
when you say oh by the way I'm gonna

806
00:35:56,949 --> 00:36:01,929
need a car with XM radio and preferably

807
00:35:59,409 --> 00:36:03,549
one that's a hybrid and maybe that's a

808
00:36:01,929 --> 00:36:06,549
task that a chat bot will soon be able

809
00:36:03,550 --> 00:36:08,830
to respond to but today it'll either

810
00:36:06,550 --> 00:36:10,930
respond nonsensically reveal itself or

811
00:36:08,829 --> 00:36:13,000
if they've coded it in a very smart way

812
00:36:10,929 --> 00:36:14,379
maybe escalate you to a human and if

813
00:36:13,000 --> 00:36:17,289
they do that seamlessly you might not

814
00:36:14,380 --> 00:36:19,660
even know it's happened that is true do

815
00:36:17,289 --> 00:36:22,599
you think though in that situation where

816
00:36:19,659 --> 00:36:25,389
I'm going to the webpage to us for help

817
00:36:22,599 --> 00:36:28,179
and says chat to us now do you think as

818
00:36:25,389 --> 00:36:31,329
a courtesy it should say you are now

819
00:36:28,179 --> 00:36:33,699
speaking with xxx why the computer oh

820
00:36:31,329 --> 00:36:35,559
that's a very interesting question

821
00:36:33,699 --> 00:36:37,480
would people then just not chat to them

822
00:36:35,559 --> 00:36:39,070
I think it's entirely like a question

823
00:36:37,480 --> 00:36:41,019
for a sociologist not a computer

824
00:36:39,070 --> 00:36:43,180
scientist because yeah people might

825
00:36:41,019 --> 00:36:45,880
reject it on that basis or assume it

826
00:36:43,179 --> 00:36:47,289
can't be good especially I'm not that I

827

00:36:45,880 --> 00:36:49,180
consider myself yet of an older

828
00:36:47,289 --> 00:36:50,889
generation but I'm 37 there's a lot of

829
00:36:49,179 --> 00:36:52,480
people younger than me I think they're

830
00:36:50,889 --> 00:36:54,279
more accepting of some of those things I

831
00:36:52,480 --> 00:36:55,630
don't want to talk to a chat but most of

832
00:36:54,280 --> 00:36:57,610
the time because I know the limits of

833
00:36:55,630 --> 00:36:59,110
the technology why I'm with you however

834
00:36:57,610 --> 00:37:01,840
if I think the checkbook could easily

835
00:36:59,110 --> 00:37:04,030
fix my problems I don't care right you

836
00:37:01,840 --> 00:37:06,970
know instantly yeah I don't have to talk

837
00:37:04,030 --> 00:37:08,800
to a human if I'd if a computer can

838
00:37:06,969 --> 00:37:10,809
solve my problems and I guess you saw

839
00:37:08,800 --> 00:37:12,519
that thing no a month or two back with

840
00:37:10,809 --> 00:37:16,719
Google where they had the voice ringing

841
00:37:12,519 --> 00:37:17,769

that the ball will duplex so I meant

842

00:37:16,719 --> 00:37:20,139

Google for what they're doing there a

843

00:37:17,769 --> 00:37:21,460

very interesting project and what

844

00:37:20,139 --> 00:37:23,429

they're doing is interesting I wouldn't

845

00:37:21,460 --> 00:37:27,190

call it artificial general intelligence

846

00:37:23,429 --> 00:37:29,289

if you it's mimicking intelligence it's

847

00:37:27,190 --> 00:37:30,820

it's mimicking and actually I would say

848

00:37:29,289 --> 00:37:32,199

even though I don't you know I don't

849

00:37:30,820 --> 00:37:33,700

wanna start a conspiracy theory I don't

850

00:37:32,199 --> 00:37:35,649

I think behind the scenes here but I

851

00:37:33,699 --> 00:37:37,419

think it was a bit of a show that they

852

00:37:35,650 --> 00:37:39,010

put on rather than a real technology

853

00:37:37,420 --> 00:37:40,809

demonstration I mean they did what they

854

00:37:39,010 --> 00:37:42,340

didn't play I guess is the 12 times they

855

00:37:40,809 --> 00:37:45,219

rang up somebody and then but got it

856
00:37:42,340 --> 00:37:47,170
completely wrong yeah and the bots the

857
00:37:45,219 --> 00:37:50,049
real giveaway for me is those BOTS say

858
00:37:47,170 --> 00:37:51,670
things like um I've probably said I'm a

859
00:37:50,050 --> 00:37:53,170
couple of times maybe you've slept a few

860
00:37:51,670 --> 00:37:57,159
and perhaps they'll disappear in editing

861
00:37:53,170 --> 00:37:58,930
if you can but not now that's something

862
00:37:57,159 --> 00:38:01,210
that no current state-of-the-art

863
00:37:58,929 --> 00:38:03,219
technology would insert for any reason

864
00:38:01,210 --> 00:38:05,289
it had to be a deliberate choice to kind

865
00:38:03,219 --> 00:38:07,179
of deceive the other person or make them

866
00:38:05,289 --> 00:38:08,679
play the game a little bit so that that

867
00:38:07,179 --> 00:38:10,960
machine could gather some information

868
00:38:08,679 --> 00:38:12,759
and if you know as they point out if

869
00:38:10,960 --> 00:38:15,639
calling and saying are you open today on

870
00:38:12,760 --> 00:38:17,080
a holiday saves that company 18 phone

871
00:38:15,639 --> 00:38:18,279
calls asking the same thing because they

872
00:38:17,079 --> 00:38:19,509
propagate that information of the

873
00:38:18,280 --> 00:38:22,030
website then that's great

874
00:38:19,510 --> 00:38:24,190
so as a technology wonderful as

875
00:38:22,030 --> 00:38:27,580
artificial intelligence not Google

876
00:38:24,190 --> 00:38:29,470
duplex yeah yeah so what sort of things

877
00:38:27,579 --> 00:38:31,000
do you cover in your podcast this sort

878
00:38:29,469 --> 00:38:32,919
of thing artificial intelligence when it

879
00:38:31,000 --> 00:38:34,989
comes to data rows your podcast more

880
00:38:32,920 --> 00:38:37,360
broad than that well we spend what I

881
00:38:34,989 --> 00:38:39,819
would call machine learning data science

882
00:38:37,360 --> 00:38:41,230
AI and we dabble a little bit in

883
00:38:39,820 --> 00:38:44,260
interesting topics that are kind of

884

00:38:41,230 --> 00:38:46,480
adjacent to that we tend to take on as

885
00:38:44,260 --> 00:38:48,550
of recently different seasonal themes so

886
00:38:46,480 --> 00:38:50,500
we did a theme on computational

887
00:38:48,550 --> 00:38:52,420
complexity theory late last year this

888
00:38:50,500 --> 00:38:54,099
whole year has been all about AI and in

889
00:38:52,420 --> 00:38:57,039
July it's gonna turn over to a brand new

890
00:38:54,099 --> 00:38:59,380
theme it'll be something I'm not ready

891
00:38:57,039 --> 00:39:01,000
to release yet but I can say it's very

892
00:38:59,380 --> 00:39:02,260
timely for things that are going on in

893
00:39:01,000 --> 00:39:04,420
the news ooh

894
00:39:02,260 --> 00:39:07,360
that could mean a lot of things could

895
00:39:04,420 --> 00:39:09,639
indeed yeah and how long is your podcast

896
00:39:07,360 --> 00:39:11,410
be down there we're coming up on five

897
00:39:09,639 --> 00:39:13,449
years sometime late this year I think

898
00:39:11,409 --> 00:39:14,799

yeah not quite it skeptics on that list

899

00:39:13,449 --> 00:39:17,799

but we're getting there

900

00:39:14,800 --> 00:39:19,900

Oh congratulations ie five uses is a big

901

00:39:17,800 --> 00:39:21,640

deal these days yeah definitely and how

902

00:39:19,900 --> 00:39:24,610

often does he come out once a week

903

00:39:21,639 --> 00:39:26,799

oh and as someone who does it once a

904

00:39:24,610 --> 00:39:28,840

week podcast I can appreciate the time

905

00:39:26,800 --> 00:39:30,100

and effort in putting together that and

906

00:39:28,840 --> 00:39:32,350

what was the length of the podcast

907

00:39:30,099 --> 00:39:34,929

roughly varies so we kind of switch up

908

00:39:32,349 --> 00:39:37,119

our formats I'll do interviews that'll

909

00:39:34,929 --> 00:39:39,039

be longer usually 30 40 minutes and then

910

00:39:37,119 --> 00:39:41,199

just about every other episode is what

911

00:39:39,039 --> 00:39:43,659

we call a mini episode 15-20 minutes

912

00:39:41,199 --> 00:39:45,519

where I talked to my wife was very

913
00:39:43,659 --> 00:39:47,829
intelligent smart woman but this isn't

914
00:39:45,519 --> 00:39:49,090
her field and I try and break things

915
00:39:47,829 --> 00:39:51,219
down to her and get her to understand

916
00:39:49,090 --> 00:39:53,200
the concepts I work on so it's meant to

917
00:39:51,219 --> 00:39:55,839
be an explainer or a tutorial for people

918
00:39:53,199 --> 00:39:58,809
who are so she's asking the questions

919
00:39:55,840 --> 00:40:01,030
for the audience sort of exactly yeah

920
00:39:58,809 --> 00:40:03,519
sort of the the straight man or straight

921
00:40:01,030 --> 00:40:05,470
woman persona when I get into too much

922
00:40:03,519 --> 00:40:06,579
jargon she'll call me out on it and say

923
00:40:05,469 --> 00:40:08,589
what does that actually mean

924
00:40:06,579 --> 00:40:11,500
all right folks there's the clue there's

925
00:40:08,590 --> 00:40:13,900
the hint for you data skeptic skeptics

926
00:40:11,500 --> 00:40:15,610
data skeptic skeptic singular singular

927
00:40:13,900 --> 00:40:18,250
okay with a k' that's the name of the

928
00:40:15,610 --> 00:40:20,440
podcast links in this week's show notes

929
00:40:18,250 --> 00:40:23,050
and don't be surprised in the coming

930
00:40:20,440 --> 00:40:25,750
months you'll hear a rotating promotion

931
00:40:23,050 --> 00:40:28,450
for that podcast or car great to meet

932
00:40:25,750 --> 00:40:29,889
you here at skeptic al thank you and a

933
00:40:28,449 --> 00:40:31,809
very interesting talk on artificial

934
00:40:29,889 --> 00:40:33,339
intelligence and who knows if you give

935
00:40:31,809 --> 00:40:34,809
that talk next year from behind a

936
00:40:33,340 --> 00:40:35,320
curtain it might be a computer doing it

937
00:40:34,809 --> 00:40:43,029
for you

938
00:40:35,320 --> 00:40:45,580
you never know thank you this is Kyle

939
00:40:43,030 --> 00:40:47,980
from the data skeptic podcast if you're

940
00:40:45,579 --> 00:40:50,440
curious about the way data is changing

941

00:40:47,980 --> 00:40:52,990
our world topics like AI and all this

942
00:40:50,440 --> 00:40:55,000
craziness with Facebook and BOTS and the

943
00:40:52,989 --> 00:40:57,039
Twitter storm and how the algorithms

944
00:40:55,000 --> 00:40:58,630
that underline that work and you don't

945
00:40:57,039 --> 00:41:00,309
want a technical deep dive you want it

946
00:40:58,630 --> 00:41:01,930
you know in the vernacular in a way that

947
00:41:00,309 --> 00:41:03,699
people can understand check us out at

948
00:41:01,929 --> 00:41:05,889
data skeptic that's what we try and do I

949
00:41:03,699 --> 00:41:07,659
interview advanced professionals in the

950
00:41:05,889 --> 00:41:09,519
field who do this sort of research and

951
00:41:07,659 --> 00:41:14,289
then I get into interesting projects as

952
00:41:09,519 --> 00:41:15,920
well we're a weekly show and you can

953
00:41:14,289 --> 00:41:27,898
find this data skeptic calm

954
00:41:15,920 --> 00:41:27,898
[Music]

955
00:41:33,510 --> 00:41:38,110

thank you for listening to the skeptic

956

00:41:36,130 --> 00:41:40,660

zone now coming up next week on the

957

00:41:38,110 --> 00:41:43,090

skeptic CERN oh I really don't know

958

00:41:40,659 --> 00:41:44,799

that's that one of the mysteries of life

959

00:41:43,090 --> 00:41:46,329

what's coming up on the next skeptic

960

00:41:44,800 --> 00:41:48,400

zone episode I don't have anything

961

00:41:46,329 --> 00:41:50,829

particularly lined up but never fear

962

00:41:48,400 --> 00:41:54,550

we'll get something together for you for

963

00:41:50,829 --> 00:41:56,679

next week I think think in the coming

964

00:41:54,550 --> 00:41:59,500

week I will be flying back to Sydney

965

00:41:56,679 --> 00:42:02,109

Australia back into and the nice cool

966

00:41:59,500 --> 00:42:04,269

winter now for those people who

967

00:42:02,110 --> 00:42:05,890

subscribe to the skeptic magazine the

968

00:42:04,269 --> 00:42:09,550

Journal from Australian sceptics there's

969

00:42:05,889 --> 00:42:12,429

a story in the latest issue just posted

970
00:42:09,550 --> 00:42:15,730
a week ago I think about the history of

971
00:42:12,429 --> 00:42:18,519
the skeptic zone podcast because we just

972
00:42:15,730 --> 00:42:19,960
recently celebrated 500 episodes I wrote

973
00:42:18,519 --> 00:42:22,210
a little history and a little bit of a

974
00:42:19,960 --> 00:42:23,800
background to the skeptic zone if you're

975
00:42:22,210 --> 00:42:25,869
a subscriber you would have read that by

976
00:42:23,800 --> 00:42:27,580
now I hope if you're not a subscriber to

977
00:42:25,869 --> 00:42:31,059
the skeptic magazine from Australian

978
00:42:27,579 --> 00:42:34,329
skeptics skeptics comdata you follow the

979
00:42:31,059 --> 00:42:37,570
links and you can enjoy that magazine

980
00:42:34,329 --> 00:42:39,759
digitally or in your post box four times

981
00:42:37,570 --> 00:42:42,100
a year and thank you to those people who

982
00:42:39,760 --> 00:42:45,190
continue to support the skeptic zone via

983
00:42:42,099 --> 00:42:49,269
PayPal or patreon at skeptic zone TV and

984
00:42:45,190 --> 00:42:51,340
as I have been saying for 10 years your

985
00:42:49,269 --> 00:42:53,710
contributions make the show possible

986
00:42:51,340 --> 00:42:55,240
but until next week actually I've got to

987
00:42:53,710 --> 00:42:57,970
get back to Sydney Australia really I've

988
00:42:55,239 --> 00:42:59,409
got to keep an eye on may not hmm if you

989
00:42:57,969 --> 00:43:01,719
haven't kept an eye on Maynard go to

990
00:42:59,409 --> 00:43:03,190
Maynard comm go to you for his podcasts

991
00:43:01,719 --> 00:43:04,869
but until next week

992
00:43:03,190 --> 00:43:09,360
this is Richard Saunders signing off

993
00:43:04,869 --> 00:43:09,359
from the Bay Area San Francisco

994
00:43:11,039 --> 00:43:16,480
you've been listening to the skeptic

995
00:43:13,570 --> 00:43:23,170
zone podcast please visit our website at

996
00:43:16,480 --> 00:43:26,670
wwlp.com tax and to access the bat

997
00:43:23,170 --> 00:43:29,349
catalog of episodes going back to 2008

998

00:43:26,670 --> 00:43:31,659
you can follow the skeptic zone podcast

999
00:43:29,349 --> 00:43:34,239
on twitter at skeptic zone

1000
00:43:31,659 --> 00:43:35,789
visit our facebook page or leave a

1001
00:43:34,239 --> 00:43:38,469
review on itunes

1002
00:43:35,789 --> 00:43:41,860
you can also support the skeptic zone

1003
00:43:38,469 --> 00:43:44,579
via patreon or PayPal the skeptic zone

1004
00:43:41,860 --> 00:43:46,960
podcast is an independent production

1005
00:43:44,579 --> 00:43:49,090
reviews and opinions expressed on the

1006
00:43:46,960 --> 00:43:51,429
skeptic zone are not necessarily those

1007
00:43:49,090 --> 00:43:53,230
of Australian skeptics for any other

1008
00:43:51,429 --> 00:43:59,730
skeptical organization

1009
00:43:53,230 --> 00:43:59,730
[Music]