

Show 505

THE
**SKEPTIC
ZONE**
PODCAST

24 June 2018

www.skepticzone.tv



Heidi Robertson chats to Catherine Hughes about her ongoing campaign to protect babies in the name of Riley Hughes.

Fair Trading takes beef with unsubstantiated cancer cure

The Data Skeptic -
An interview with Kyle Polich



Kyle Polich

1
00:00:09,080 --> 00:00:05,920

[Music]

2
00:00:11,830 --> 00:00:09,090

welcome to the skeptic zone the podcast

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

from Australia for science and reason

4
00:00:16,880 --> 00:00:13,920

[Music]

5
00:00:22,630 --> 00:00:16,890

[Applause]

6
00:00:25,070 --> 00:00:22,640

[Music]

7
00:00:29,290 --> 00:00:25,080

yes it's the skeptic zone podcast

8
00:00:31,930 --> 00:00:29,300

episode number 505 for the 23rd of June

9
00:00:35,000 --> 00:00:31,940

2018 richardsaunders here with you

10
00:00:36,970 --> 00:00:35,010

coming to you once again this week from

11
00:00:39,830 --> 00:00:36,980

the Bay Area San Francisco I was

12
00:00:40,189 --> 00:00:39,840

originally going to be a home at the

13
00:00:43,369 --> 00:00:40,199

moment

14

00:00:47,119 --> 00:00:43,379

fly home a few days ago situations have

15

00:00:49,910 --> 00:00:47,129

arisen circumstances beyond my control I

16

00:00:53,110 --> 00:00:49,920

need not go on I'm in the Bay Area for

17

00:00:55,790 --> 00:00:53,120

another week and enjoying a very hot day

18

00:00:57,439 --> 00:00:55,800

no I'm not it's too hot it's going to be

19

00:01:00,259 --> 00:00:57,449

over a hundred today something like 38

20

00:01:02,689 --> 00:01:00,269

degrees Celsius 100 Fahrenheit a good

21

00:01:04,790 --> 00:01:02,699

day to be indoors coming up on this

22

00:01:06,890 --> 00:01:04,800

week's show we hear from the raw skeptic

23

00:01:09,469 --> 00:01:06,900

haile Robinson who was in Brisbane

24

00:01:13,550 --> 00:01:09,479

recently at the pregnancy babies and

25

00:01:16,310 --> 00:01:13,560

children's expo to offer her help to the

26

00:01:18,230 --> 00:01:16,320

light for Riley stand now light for

27

00:01:20,810 --> 00:01:18,240

Riley is an organization set up to

28

00:01:24,440 --> 00:01:20,820

promote vaccinations in the community

29

00:01:26,570 --> 00:01:24,450

and it was inspired by Riley Hughes who

30

00:01:30,880 --> 00:01:26,580

tragically passed away from pertussis

31

00:01:34,130 --> 00:01:30,890

whooping cough in 2015 and he was just a

32

00:01:36,650 --> 00:01:34,140

tiny baby when he did and his parents

33

00:01:40,640 --> 00:01:36,660

are continuing the fight now against

34

00:01:42,470 --> 00:01:40,650

vaccine preventable diseases I will link

35

00:01:44,540 --> 00:01:42,480

to light for Riley in the show notes but

36

00:01:47,570 --> 00:01:44,550

you'll hear from Kath use Riley's mother

37

00:01:50,630 --> 00:01:47,580

as well as Heidi Robinson wandering

38

00:01:55,940 --> 00:01:50,640

around the babies Expo to see if she can

39
00:01:58,880 --> 00:01:55,950
snoop out any woo any non evidence-based

40
00:02:01,100 --> 00:01:58,890
things going on following that we bring

41
00:02:03,110 --> 00:02:01,110
you another story from Queensland where

42
00:02:05,570 --> 00:02:03,120
the Fair Trading part of the Queensland

43
00:02:08,719 --> 00:02:05,580
Government has fined a business for

44
00:02:11,750 --> 00:02:08,729
making unsubstantiated cancer cure

45
00:02:14,930 --> 00:02:11,760
claims and this is to do with skin

46
00:02:18,800 --> 00:02:14,940
cancer and having had skin cancer myself

47
00:02:21,949 --> 00:02:18,810
and having regular checkups I take issue

48
00:02:24,259 --> 00:02:21,959
with anybody promoting false skin cancer

49
00:02:26,720 --> 00:02:24,269
cures that story coming up a bit later

50
00:02:29,629 --> 00:02:26,730
on then to wrap up the show another

51
00:02:32,420 --> 00:02:29,639
interview from skeptic al the conference

52
00:02:34,430 --> 00:02:32,430
I was attending here in the Bay Area or

53
00:02:37,370 --> 00:02:34,440
a couple of weeks ago this week

54
00:02:40,790 --> 00:02:37,380
I talked to Kyle polish from the data

55
00:02:43,790 --> 00:02:40,800
skeptic podcast now why would anybody be

56
00:02:47,480 --> 00:02:43,800
skeptical about data find out later on

57
00:02:49,610 --> 00:02:47,490
with my interview from skeptical now

58
00:02:51,500 --> 00:02:49,620
just looking over the calendar I can see

59
00:02:53,300 --> 00:02:51,510
that there are many skeptical

60
00:02:57,350 --> 00:02:53,310
conventions lined up for the rest of the

61
00:03:00,740 --> 00:02:57,360
year we have got QED in the UK we have

62
00:03:03,230 --> 00:03:00,750
got Nexus in New York what else in Las

63
00:03:05,390 --> 00:03:03,240

Vegas there's saikhan coming up but of

64

00:03:09,320 --> 00:03:05,400

course in Australia in Sydney Australia

65

00:03:12,170 --> 00:03:09,330

this October 13th or 14th we have the

66

00:03:14,980 --> 00:03:12,180

Australian skeptics convention and this

67

00:03:17,690 --> 00:03:14,990

year will be the 34th consecutive annual

68

00:03:20,840 --> 00:03:17,700

convention you can get your tickets at

69

00:03:22,460 --> 00:03:20,850

convention skeptics comdataís you while

70

00:03:25,070 --> 00:03:22,470

you're there you can check out the list

71

00:03:26,750 --> 00:03:25,080

of speakers this year and a couple of my

72

00:03:29,900 --> 00:03:26,760

favorites certainly coming along dr.

73

00:03:32,420 --> 00:03:29,910

Karl Cruz Ole Miss key always a popular

74

00:03:35,360 --> 00:03:32,430

speaker dr. Pamela gay the wonderful

75

00:03:37,790 --> 00:03:35,370

astronomer dr. Susan Blackmore speaking

76
00:03:39,470 --> 00:03:37,800
all sorts of people more news about that

77
00:03:41,990 --> 00:03:39,480
over the coming months

78
00:03:44,780 --> 00:03:42,000
dr. Lynne Kelly indeed will be there so

79
00:03:47,180 --> 00:03:44,790
many good people get your tickets now at

80
00:03:50,630 --> 00:03:47,190
conventions not skeptics come today you

81
00:03:53,720 --> 00:03:50,640
and we'll see you there later on in the

82
00:03:55,880 --> 00:03:53,730
year but now it's time for me to run

83
00:03:57,620 --> 00:03:55,890
upstairs to the kitchen open the fridge

84
00:04:01,760 --> 00:03:57,630
and see if there are any more

85
00:04:04,699 --> 00:04:01,770
Twinkies left Twinkies Twinkies they're

86
00:04:06,650 --> 00:04:04,709
really nice and like have Americans know

87
00:04:07,970 --> 00:04:06,660
what I mean they're very tasty like a

88
00:04:11,660 --> 00:04:07,980

little dessert sort of thing

89

00:04:13,790 --> 00:04:11,670

Twinkies I also discovered I in a shop

90

00:04:16,849 --> 00:04:13,800

called the dollar store root beard

91

00:04:18,500 --> 00:04:16,859

flavored licorice wow I'm really going

92

00:04:21,500 --> 00:04:18,510

to town here in the United States what

93

00:04:24,320 --> 00:04:21,510

next well there's always root beer well

94

00:04:42,469 --> 00:04:24,330

I enjoy all that I hope you enjoy this

95

00:04:54,540 --> 00:04:46,439

it's the raw skeptic report with Heidi

96

00:04:56,909 --> 00:04:54,550

Robertson hello everyone

97

00:05:00,140 --> 00:04:56,919

Heidi Robertson here from the Northern

98

00:05:02,640 --> 00:05:00,150

Rivers vaccination supporters group on

99

00:05:05,460 --> 00:05:02,650

Sunday the 17th of June

100

00:05:08,460 --> 00:05:05,470

I drove a couple of hours up the road to

101
00:05:11,610 --> 00:05:08,470
Brisbane or bris Vegas as the locals

102
00:05:15,779 --> 00:05:11,620
like to call it for the pregnancy babies

103
00:05:19,050 --> 00:05:15,789
and children's Expo the Expo ran over

104
00:05:21,839 --> 00:05:19,060
three days and I was volunteering just

105
00:05:25,950 --> 00:05:21,849
for the Sunday for the light for Riley

106
00:05:29,100 --> 00:05:25,960
saw with Kath Hughes since baby Riley

107
00:05:32,820 --> 00:05:29,110
died of whooping cough in March 2015

108
00:05:34,740 --> 00:05:32,830
his parents Kaif and Greg have been

109
00:05:36,600 --> 00:05:34,750
tireless in their efforts to let people

110
00:05:40,589 --> 00:05:36,610
know of the importance of the third

111
00:05:43,170 --> 00:05:40,599
trimester whooping cough vaccine Kath

112
00:05:45,409 --> 00:05:43,180
wasn't offered the vaccine and baby

113
00:05:50,100 --> 00:05:45,419

Riley was too young to be vaccinated

114

00:05:52,050 --> 00:05:50,110

when he contracted the disease so I had

115

00:05:55,589 --> 00:05:52,060

a chance to interview Kath which we will

116

00:05:57,330 --> 00:05:55,599

get to shortly but first whilst I was

117

00:05:59,279 --> 00:05:57,340

there on my lunch break I thought I'd

118

00:06:01,710 --> 00:05:59,289

wander around the expo and see if there

119

00:06:04,800 --> 00:06:01,720

was much non evidence-based stuff being

120

00:06:10,500 --> 00:06:04,810

promoted by the stall holders well I'm

121

00:06:15,210 --> 00:06:10,510

here at the 2018 baby and pregnancy Expo

122

00:06:18,270 --> 00:06:15,220

in Brisbane Queensland and the reason

123

00:06:22,379 --> 00:06:18,280

I'm here is to volunteer at their light

124

00:06:27,540 --> 00:06:22,389

for Riley stand with with Kath Hughes

125

00:06:30,270 --> 00:06:27,550

and more on that bit later while I was

126

00:06:32,100 --> 00:06:30,280

here my thought during my lunch break

127

00:06:36,060 --> 00:06:32,110

that I'd have a little walk around and

128

00:06:39,029 --> 00:06:36,070

see what kind of stall to hear in the

129

00:06:42,930 --> 00:06:41,610

because as we know the mind/body wallet

130

00:06:44,430 --> 00:06:42,940

that I think is held in the same

131

00:06:48,600 --> 00:06:44,440

location here in Brisbane at the

132

00:06:50,070 --> 00:06:48,610

Exhibition Centre is full of it so I

133

00:06:52,100 --> 00:06:50,080

thought well let's have a look around

134

00:06:57,089 --> 00:06:52,110

and see what sort of whoo is being

135

00:06:59,490 --> 00:06:57,099

promoted to expectant mums and dads and

136

00:07:04,200 --> 00:06:59,500

actually I've been really pleasantly

137

00:07:08,029 --> 00:07:04,210

surprised there there isn't that much

138

00:07:11,399 --> 00:07:08,039

here there is an essential oil stand and

139

00:07:16,339 --> 00:07:11,409

there is a browser stand I think they

140

00:07:19,740 --> 00:07:16,349

sell mostly well homeopathic stuff and

141

00:07:23,249 --> 00:07:19,750

the other one that is is a bit of a

142

00:07:25,619 --> 00:07:23,259

worry is the Chiropractic Association of

143

00:07:28,080 --> 00:07:25,629

Australia they have a stall here too I

144

00:07:33,360 --> 00:07:28,090

just walked past it and they've got a

145

00:07:36,839 --> 00:07:33,370

baby mannequin lying on its back on a

146

00:07:38,999 --> 00:07:36,849

chiropractic table they've got a bit of

147

00:07:41,670 --> 00:07:39,009

paraffin paraphernalia around to hand

148

00:07:42,839 --> 00:07:41,680

out to people the number of times I've

149

00:07:46,260 --> 00:07:42,849

walked past there hasn't actually been

150

00:07:49,350 --> 00:07:46,270

anyone talking to them which is good and

151
00:07:51,510 --> 00:07:49,360
the other positive is that three years

152
00:07:54,839 --> 00:07:51,520
ago when I was last here helping out the

153
00:07:58,339 --> 00:07:54,849
light for a least all the chiropractor's

154
00:08:02,279 --> 00:07:58,349
stand here had books called

155
00:08:04,830 --> 00:08:02,289
well-adjusted babies which is a a well

156
00:08:06,510 --> 00:08:04,840
known book in the vaccinations well

157
00:08:09,149 --> 00:08:06,520
chiropractic world but there's a whole

158
00:08:10,950 --> 00:08:09,159
chapter on vaccinations and why you

159
00:08:14,209 --> 00:08:10,960
should not vaccinate your baby that

160
00:08:17,879 --> 00:08:14,219
chiropractic can apparently protect your

161
00:08:20,010 --> 00:08:17,889
baby against all sorts of infectious

162
00:08:22,529 --> 00:08:20,020
disease they would have you believe this

163
00:08:29,269 --> 00:08:22,539

year I haven't seen any copies of those

164

00:08:32,040 --> 00:08:29,279

books around so that is a plus anyway

165

00:08:35,329 --> 00:08:32,050

having a bit more of a look around but

166

00:08:40,079 --> 00:08:35,339

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

167

00:08:40,940 --> 00:08:40,089

is a limited amount of woo here this

168

00:08:43,300 --> 00:08:40,950

year

169

00:08:45,740 --> 00:08:43,310

of course there's a lot of stuff that

170

00:08:50,210 --> 00:08:45,750

parents probably don't need that's being

171

00:08:55,190 --> 00:08:50,220

sold to them but not not not a lot of

172

00:08:57,199 --> 00:08:55,200

stuff that can actually harm baby or new

173

00:09:00,500 --> 00:08:57,209

mums so that's a plus and the other

174

00:09:02,210 --> 00:09:00,510

thing I've noticed is talking to talking

175

00:09:04,280 --> 00:09:02,220

to lots and lots of people today about

176
00:09:06,850 --> 00:09:04,290
vaccinations and how important the third

177
00:09:09,650 --> 00:09:06,860
trimester whooping cough vaccine is

178
00:09:12,019 --> 00:09:09,660
we've had a really positive response I

179
00:09:17,840 --> 00:09:12,029
have not talked to one hesitant person

180
00:09:20,569 --> 00:09:17,850
they all seem to well if I had to take a

181
00:09:23,720 --> 00:09:20,579
guess over 95% of the people I've spoken

182
00:09:27,319 --> 00:09:23,730
to already knew about the third

183
00:09:29,269 --> 00:09:27,329
trimester whooping cough vaccine which

184
00:09:32,720 --> 00:09:29,279
is a big difference two three years ago

185
00:09:35,569 --> 00:09:32,730
when I was here and they have all all

186
00:09:37,160 --> 00:09:35,579
been very very supportive either they've

187
00:09:40,250 --> 00:09:37,170
already had their vaccinations they've

188
00:09:42,829 --> 00:09:40,260

booked in to have them so that's been

189

00:09:44,810 --> 00:09:42,839

really just heartwarming and I can't

190

00:09:46,970 --> 00:09:44,820

imagine what that must mean to Kat as

191

00:09:50,840 --> 00:09:46,980

well of course she's been instrumental

192

00:09:53,300 --> 00:09:50,850

in promoting the vaccine and and getting

193

00:09:58,370 --> 00:09:53,310

the vaccine in the third trimester free

194

00:10:01,519 --> 00:09:58,380

for all pregnant mums so very positive

195

00:10:06,130 --> 00:10:01,529

very positive I'm feeling so so good

196

00:10:08,870 --> 00:10:06,140

coming up to Brisbane from Byron Bay

197

00:10:11,569 --> 00:10:08,880

with so many parents in Brisbane who

198

00:10:14,569 --> 00:10:11,579

just seemed to be so Pro vaccinations

199

00:10:17,810 --> 00:10:14,579

absolutely wonderful new parents are

200

00:10:20,300 --> 00:10:17,820

prime targets for the word crowd as they

201
00:10:22,370 --> 00:10:20,310
often unsure what they need for the new

202
00:10:24,110 --> 00:10:22,380
arrival and of course they want to

203
00:10:25,819 --> 00:10:24,120
provide the best for the baby

204
00:10:28,130 --> 00:10:25,829
and feel confident that they have

205
00:10:30,880 --> 00:10:28,140
everything that's needed prior to the

206
00:10:34,130 --> 00:10:30,890
baby's grand entrance into the world I

207
00:10:38,090 --> 00:10:34,140
recall my first pregnancy 11 years ago

208
00:10:39,920 --> 00:10:38,100
and how overwhelmed I often felt at the

209
00:10:42,559 --> 00:10:39,930
myriad of products out there all

210
00:10:45,259 --> 00:10:42,569
claiming to be able to help settle the

211
00:10:47,960 --> 00:10:45,269
baby to help feed the baby more easily

212
00:10:50,840 --> 00:10:47,970
carry the baby push the baby clothe the

213
00:10:54,740 --> 00:10:50,850

baby change the baby bathe the baby wrap

214

00:10:56,510 --> 00:10:54,750

the baby and so on you are encouraged to

215

00:10:59,750 --> 00:10:56,520

purchase products to help the baby's

216

00:11:02,300 --> 00:10:59,760

physical and emotional development to

217

00:11:05,540 --> 00:11:02,310

play your baby's specific music whilst

218

00:11:08,150 --> 00:11:05,550

they are still in use room that you must

219

00:11:10,150 --> 00:11:08,160

learn baby massage to create that

220

00:11:14,480 --> 00:11:10,160

bonding experience with your new baby

221

00:11:16,910 --> 00:11:14,490

the list is endless I'm happy to say

222

00:11:19,930 --> 00:11:16,920

however that although there were many

223

00:11:23,260 --> 00:11:19,940

many things on show at the expo that

224

00:11:25,790 --> 00:11:23,270

expectant parents probably don't need

225

00:11:27,770 --> 00:11:25,800

there were relatively few things that

226

00:11:32,690 --> 00:11:27,780

have the potential to actually cause

227

00:11:35,180 --> 00:11:32,700

harm in fact I counted only three stalls

228

00:11:37,010 --> 00:11:35,190

that sold products or offered services

229

00:11:40,880 --> 00:11:37,020

that would make a skeptic raise an

230

00:11:44,120 --> 00:11:40,890

eyebrow the first was an aromatherapy

231

00:11:46,730 --> 00:11:44,130

stall selling essential oils their

232

00:11:49,610 --> 00:11:46,740

website described essential oils as

233

00:11:52,150 --> 00:11:49,620

quote a powerful way to enhance a

234

00:11:57,040 --> 00:11:52,160

positive mental and emotional state and

235

00:11:59,720 --> 00:11:57,050

build resistance to pathogens end quote

236

00:12:03,230 --> 00:11:59,730

alongside these essential oils they were

237

00:12:05,390 --> 00:12:03,240

selling aromatherapy defuses apparently

238

00:12:08,240 --> 00:12:05,400

to allow the essential oils to be quote

239

00:12:10,880 --> 00:12:08,250

further enhanced by the high frequency

240

00:12:12,160 --> 00:12:10,890

vibrations of the ultrasonic waves end

241

00:12:15,500 --> 00:12:12,170

quote

242

00:12:18,650 --> 00:12:15,510

hmm they could just advertise them as

243

00:12:22,520 --> 00:12:18,660

for example makes the baby's room smell

244

00:12:24,800 --> 00:12:22,530

less like poo but I guess high frequency

245

00:12:28,160 --> 00:12:24,810

vibrations of ultrasonic wave sounds a

246

00:12:30,410 --> 00:12:28,170

little bit more impressive there was

247

00:12:32,690 --> 00:12:30,420

also a homeopathy store with a

248

00:12:34,610 --> 00:12:32,700

well-known homeopathic brand that is

249

00:12:38,000 --> 00:12:34,620

still sold in pharmacies across

250

00:12:40,220 --> 00:12:38,010

Australia today their products relating

251
00:12:45,890 --> 00:12:40,230
to babies are ones for coughs and colds

252
00:12:50,090 --> 00:12:45,900
runny noses reflux colic and there's one

253
00:12:52,400 --> 00:12:50,100
for cold flu and immunity support their

254
00:12:55,820 --> 00:12:52,410
website states that the immunity support

255
00:12:58,780 --> 00:12:55,830
product contains vitamin d3 to support

256
00:13:01,460 --> 00:12:58,790
immune system health in healthy children

257
00:13:03,730 --> 00:13:01,470
it goes on to say this product also

258
00:13:05,660 --> 00:13:03,740
contains homeopathic ingredients

259
00:13:08,040 --> 00:13:05,670
traditionally used in homeopathic

260
00:13:12,540 --> 00:13:08,050
medicine to relieve fatigue

261
00:13:15,420 --> 00:13:12,550
in healthy children influenza as we know

262
00:13:18,450 --> 00:13:15,430
is a horrible illness that is truck

263
00:13:20,790 --> 00:13:18,460

loads worse than the common cold I would

264

00:13:22,980 --> 00:13:20,800

hope that a baby with influenza symptoms

265

00:13:24,810 --> 00:13:22,990

would not be given a homeopathic product

266

00:13:30,240 --> 00:13:24,820

in the place of getting medical

267

00:13:32,310 --> 00:13:30,250

attention the third stall was one run by

268

00:13:34,680 --> 00:13:32,320

the Chiropractic Association of

269

00:13:37,220 --> 00:13:34,690

Australia and manned by chiropractors

270

00:13:39,650 --> 00:13:37,230

one of whom when I visited at least

271

00:13:42,420 --> 00:13:39,660

specialized in pediatrics

272

00:13:45,210 --> 00:13:42,430

they had a baby mannequin lying on its

273

00:13:47,160 --> 00:13:45,220

back on a chiropractic table and were

274

00:13:48,900 --> 00:13:47,170

handing out information on the alleged

275

00:13:52,700 --> 00:13:48,910

benefits of chiropractic for the

276

00:13:55,650 --> 00:13:52,710

pregnant mum plus the newborn itself I

277

00:13:58,380 --> 00:13:55,660

went and had a brief chat to them about

278

00:14:00,900 --> 00:13:58,390

chiropractic in the newborn and asked

279

00:14:03,350 --> 00:14:00,910

why it was necessary in their opinion to

280

00:14:05,760 --> 00:14:03,360

take a newborn to a chiropractor

281

00:14:08,190 --> 00:14:05,770

the answer I was given was that the

282

00:14:11,000 --> 00:14:08,200

birth experience is highly physically

283

00:14:13,290 --> 00:14:11,010

traumatic for the baby their pediatric

284

00:14:15,300 --> 00:14:13,300

chiropractors could adjust the baby to

285

00:14:18,600 --> 00:14:15,310

maintain optimal health and well-being

286

00:14:21,980 --> 00:14:18,610

for the child problems with reflux and

287

00:14:24,990 --> 00:14:21,990

feeding could also be helped they said I

288

00:14:28,080 --> 00:14:25,000

asked how they diagnosed such problems

289

00:14:30,420 --> 00:14:28,090

in a newborn it's all by touch I was

290

00:14:31,860 --> 00:14:30,430

told and the adjustments are little more

291

00:14:34,380 --> 00:14:31,870

than the pressure you could comfortably

292

00:14:37,950 --> 00:14:34,390

put on your own closed eyelid with your

293

00:14:38,820 --> 00:14:37,960

thumb I thought to myself at that point

294

00:14:41,040 --> 00:14:38,830

Wow

295

00:14:43,170 --> 00:14:41,050

every time someone picks up and holds a

296

00:14:44,730 --> 00:14:43,180

newborn they're putting more than that

297

00:14:46,500 --> 00:14:44,740

amount of pressure on them just by the

298

00:14:49,950 --> 00:14:46,510

fact that they are carrying a three to

299

00:14:51,870 --> 00:14:49,960

four kilogram weight in their arms I had

300

00:14:53,730 --> 00:14:51,880

a flashback of holding my squirming

301
00:14:55,830 --> 00:14:53,740
baby's still on the change table

302
00:14:58,820 --> 00:14:55,840
literally restraining them while I

303
00:15:01,890 --> 00:14:58,830
completed the not so easy nappy changes

304
00:15:04,850 --> 00:15:01,900
how is it that we are not all subluxated

305
00:15:06,900 --> 00:15:04,860
our baby's spines left right and centre

306
00:15:10,160 --> 00:15:06,910
perhaps we are according to the

307
00:15:14,040 --> 00:15:10,170
chiropractors however I wasn't

308
00:15:16,020 --> 00:15:14,050
confrontational or rude as we know some

309
00:15:17,910 --> 00:15:16,030
chiropractors have made claims way

310
00:15:19,860 --> 00:15:17,920
beyond the ones they were claiming here

311
00:15:22,040 --> 00:15:19,870
at the Expo of being able to help with

312
00:15:25,079 --> 00:15:22,050
feeding and reflow

313
00:15:27,150 --> 00:15:25,089

listeners may also remember that certain

314

00:15:29,699 --> 00:15:27,160

members of this particular Chiropractic

315

00:15:32,220 --> 00:15:29,709

Association were caught sneaking into

316

00:15:34,949 --> 00:15:32,230

hospitals to adjust spinal injured

317

00:15:37,139 --> 00:15:34,959

patients three years ago was the last

318

00:15:39,150 --> 00:15:37,149

time I had helped out at the light for

319

00:15:43,819 --> 00:15:39,160

Reilly stall and there was a lot more

320

00:15:46,110 --> 00:15:43,829

woo back then than there was in 2018 I

321

00:15:48,090 --> 00:15:46,120

recall that either a midwife or a

322

00:15:50,550 --> 00:15:48,100

Chiropractic store back then I can't

323

00:15:53,790 --> 00:15:50,560

remember which one was selling a book

324

00:15:56,629 --> 00:15:53,800

called well-adjusted babies that had a

325

00:15:59,550 --> 00:15:56,639

whole anti vaccination chapter in it

326

00:16:03,360 --> 00:15:59,560

thankfully this time there was no such

327

00:16:05,879 --> 00:16:03,370

nonsense being sold and now on to my

328

00:16:08,840 --> 00:16:05,889

interview with a woman who along with

329

00:16:12,329 --> 00:16:08,850

her husband Greg are two of the most

330

00:16:14,340 --> 00:16:12,339

inspirational people I have met here's

331

00:16:19,249 --> 00:16:14,350

my interview with Catherine Hughes

332

00:16:24,030 --> 00:16:19,259

so I'm here with Catherine Hughes who is

333

00:16:27,000 --> 00:16:24,040

the mum of little baby Riley and as

334

00:16:30,900 --> 00:16:27,010

listeners may remember Riley tragically

335

00:16:32,220 --> 00:16:30,910

lost his life after 32 days he was too

336

00:16:35,850 --> 00:16:32,230

young to be vaccinated for whooping

337

00:16:38,490 --> 00:16:35,860

cough Cathy and her husband Greg have

338

00:16:40,620 --> 00:16:38,500

been amazing activists since then to

339

00:16:42,360 --> 00:16:40,630

raise awareness about the importance of

340

00:16:44,579 --> 00:16:42,370

the whooping cough vaccine especially in

341

00:16:47,670 --> 00:16:44,589

the third trimester for pregnant mums so

342

00:16:50,300 --> 00:16:47,680

guys tell us a little bit about light

343

00:16:53,550 --> 00:16:50,310

for Riley and and your journey since

344

00:16:55,889 --> 00:16:53,560

Riley tragically passed away thanks

345

00:16:58,230 --> 00:16:55,899

Harvey we started our life for Riley

346

00:17:01,800 --> 00:16:58,240

campaign pretty much the day after we

347

00:17:04,380 --> 00:17:01,810

lost Riley we'd learned when I was in

348

00:17:06,299 --> 00:17:04,390

hospital with Riley that other countries

349

00:17:08,699 --> 00:17:06,309

for doing pregnancy vaccination programs

350

00:17:12,539 --> 00:17:08,709

and I remember you know as he lay dying

351

00:17:14,429 --> 00:17:12,549

there sitting there thinking why did we

352

00:17:17,520 --> 00:17:14,439

not have this vaccine why wasn't it

353

00:17:19,470 --> 00:17:17,530

offered to us we put up a post on

354

00:17:21,630 --> 00:17:19,480

Facebook and it went pretty viral so we

355

00:17:23,189 --> 00:17:21,640

had media at her house you know knocking

356

00:17:27,600 --> 00:17:23,199

at the door the next morning which was

357

00:17:29,730 --> 00:17:27,610

just beyond overwhelming but my husband

358

00:17:32,430 --> 00:17:29,740

was braver than I was and he was happy

359

00:17:34,970 --> 00:17:32,440

to talk to them and use that as an

360

00:17:37,020 --> 00:17:34,980

opportunity to create pressure and

361

00:17:39,750 --> 00:17:37,030

encourage their government to introduce

362

00:17:41,970 --> 00:17:39,760

these third trimester boosters which you

363

00:17:43,230 --> 00:17:41,980

know if we had had that with Riley we

364

00:17:45,000 --> 00:17:43,240

really believe it would have saved his

365

00:17:46,460 --> 00:17:45,010

life and it's kind of snowballed from

366

00:17:48,899 --> 00:17:46,470

there we travel around to these

367

00:17:50,430 --> 00:17:48,909

pregnancy babies and Children's Expos

368

00:17:54,090 --> 00:17:50,440

and I do a little bit of public speaking

369

00:17:56,730 --> 00:17:54,100

and we run our social media page as well

370

00:17:58,230 --> 00:17:56,740

to try and encourage people to vaccinate

371

00:18:01,770 --> 00:17:58,240

and find out about just how dangerous

372

00:18:03,840 --> 00:18:01,780

who think of can be yeah as you remember

373

00:18:07,940 --> 00:18:03,850

I was up here helping you three years

374

00:18:10,919 --> 00:18:07,950

ago at the still and same location and

375

00:18:13,830 --> 00:18:10,929

tell me what your experience has been

376

00:18:16,260 --> 00:18:13,840

the difference between three years ago

377

00:18:18,570 --> 00:18:16,270

and today in interacting with people at

378

00:18:21,180 --> 00:18:18,580

these Expos there's been a huge

379

00:18:23,520 --> 00:18:21,190

difference I've noticed a lot more

380

00:18:26,570 --> 00:18:23,530

people at this Expo compared to back in

381

00:18:28,770 --> 00:18:26,580

2015 a lot more people are aware of

382

00:18:31,049 --> 00:18:28,780

pregnancy vaccinations and they're

383

00:18:32,909 --> 00:18:31,059

accepting of it and they think it's the

384

00:18:34,230 --> 00:18:32,919

norm that will come up to us and say yes

385

00:18:36,030 --> 00:18:34,240

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

386

00:18:38,100 --> 00:18:36,040

ourselves don't worry about us you know

387

00:18:39,149 --> 00:18:38,110

we've had a third trimester booster and

388

00:18:41,520 --> 00:18:39,159

you look at them and they're really

389

00:18:43,409 --> 00:18:41,530

proud of themselves and it's really

390

00:18:46,140 --> 00:18:43,419

wonderful to see that that awareness is

391

00:18:49,919 --> 00:18:46,150

finally really good out there and if you

392

00:18:52,470 --> 00:18:49,929

had any experience that these expose you

393

00:18:54,339 --> 00:18:52,480

much experience with hesitant parents or

394

00:18:57,169 --> 00:18:54,349

even

395

00:18:58,909 --> 00:18:57,179

approached you I love chatting to the

396

00:19:00,379 --> 00:18:58,919

hesitant parents there's not a whole lot

397

00:19:02,389 --> 00:19:00,389

of them but we do get approached from

398

00:19:04,609 --> 00:19:02,399

time to time and I sort of say look it's

399

00:19:06,320 --> 00:19:04,619

normal to have questions about about

400

00:19:09,379 --> 00:19:06,330

parenting and what we do with our

401
00:19:11,209 --> 00:19:09,389
children you know it's it just shows

402
00:19:14,899 --> 00:19:11,219
that that they're thoughtful enough to

403
00:19:16,489 --> 00:19:14,909
care so we have quite long productive

404
00:19:18,409 --> 00:19:16,499
discussions with those parents and

405
00:19:19,879 --> 00:19:18,419
usually ends with them thing you know

406
00:19:23,690 --> 00:19:19,889
somewhat accepting or at least willing

407
00:19:26,049 --> 00:19:23,700
to take on board our information you

408
00:19:29,599 --> 00:19:26,059
know anti-vaxxers we get a lot of online

409
00:19:31,369 --> 00:19:29,609
we haven't had too much thankfully to

410
00:19:33,229 --> 00:19:31,379
deal with them at the expo okay so you

411
00:19:34,249 --> 00:19:33,239
get the odd comment that really most of

412
00:19:37,399 --> 00:19:34,259
the people that these experts are really

413
00:19:39,349 --> 00:19:37,409

lovely it's really it's it's different I

414

00:19:41,180 --> 00:19:39,359

find when you actually are face to face

415

00:19:43,459 --> 00:19:41,190

with someone as opposed to the other

416

00:19:46,519 --> 00:19:43,469

side of a computer screen behind a

417

00:19:49,940 --> 00:19:46,529

keyboard people are a lot less likely I

418

00:19:53,329 --> 00:19:49,950

think to to be rude to you face to face

419

00:19:55,699 --> 00:19:53,339

and sometimes if they can I think be

420

00:19:59,599 --> 00:19:55,709

taken aback at that were actually nice

421

00:20:00,979 --> 00:19:59,609

people and yet so the face to face

422

00:20:04,609 --> 00:20:00,989

conversations I think they're really

423

00:20:06,019 --> 00:20:04,619

important to have as it as important if

424

00:20:08,089 --> 00:20:06,029

not more important than they online

425

00:20:10,219 --> 00:20:08,099

conversations with disease yeah

426

00:20:13,789 --> 00:20:10,229

definitely it's completely different to

427

00:20:15,259 --> 00:20:13,799

interacting online online people aren't

428

00:20:18,349 --> 00:20:15,269

scared to voice their opinion quickly

429

00:20:20,509 --> 00:20:18,359

rudely without thinking about it they'll

430

00:20:21,830 --> 00:20:20,519

just do it rose in pair some people are

431

00:20:23,389 --> 00:20:21,840

a lot more thoughtful I think about what

432

00:20:25,369 --> 00:20:23,399

they're going to say a lot more

433

00:20:26,930 --> 00:20:25,379

respectful and so I'm sure there's been

434

00:20:28,700 --> 00:20:26,940

people who've come up to us and who

435

00:20:31,099 --> 00:20:28,710

don't agree with vaccinations for

436

00:20:33,139 --> 00:20:31,109

whatever reason but they're polite about

437

00:20:35,570 --> 00:20:33,149

it and they will you know at least

438

00:20:37,549 --> 00:20:35,580

accept our information and not not I

439

00:20:41,839 --> 00:20:37,559

guess give us that abuse that we get

440

00:20:45,019 --> 00:20:41,849

online yeah yeah and as far as the light

441

00:20:48,079 --> 00:20:45,029

for Riley campaign goes and the Facebook

442

00:20:52,310 --> 00:20:48,089

page and everything do you think do you

443

00:20:54,289 --> 00:20:52,320

think it's been helpful in might be

444

00:20:56,149 --> 00:20:54,299

getting a little bit personal but do you

445

00:20:58,459 --> 00:20:56,159

think it's been helpful in the grief

446

00:21:00,889 --> 00:20:58,469

process for you if you were to take out

447

00:21:03,169 --> 00:21:00,899

of the equation the anti-vaccination

448

00:21:05,299 --> 00:21:03,179

people online if you were to take away

449

00:21:08,950 --> 00:21:05,309

that that element of it do you think

450

00:21:11,890 --> 00:21:08,960

that it's been beneficial in

451
00:21:16,810 --> 00:21:11,900
the grading process here I do think it's

452
00:21:19,090 --> 00:21:16,820
quite a therapeutic process as a braved

453
00:21:21,160 --> 00:21:19,100
parent you know child loss is a pretty

454
00:21:22,870 --> 00:21:21,170
dark cloud and it was really important

455
00:21:25,300 --> 00:21:22,880
for us to find some kind of silver

456
00:21:28,030 --> 00:21:25,310
lining or else it was just really hard

457
00:21:30,610 --> 00:21:28,040
to function especially in those very

458
00:21:33,370 --> 00:21:30,620
early days where you just fill out your

459
00:21:35,320 --> 00:21:33,380
hearts been ripped out and you honestly

460
00:21:37,210 --> 00:21:35,330
you've walked out of that hospital

461
00:21:39,310 --> 00:21:37,220
without your baby a completely different

462
00:21:42,640 --> 00:21:39,320
person you don't know how you're going

463
00:21:45,040 --> 00:21:42,650

to get out of bed the next day but just

464

00:21:46,930 --> 00:21:45,050

having something to focus on was really

465

00:21:49,390 --> 00:21:46,940

very helpful for us in those early

466

00:21:51,610 --> 00:21:49,400

stages now it's just that sort of

467

00:21:53,290 --> 00:21:51,620

balancing act between okay well I've got

468

00:21:54,840 --> 00:21:53,300

other things in my life I've got other

469

00:21:57,340 --> 00:21:54,850

children you know so it's a matter of

470

00:21:58,930 --> 00:21:57,350

balancing and not getting too focused on

471

00:22:01,060 --> 00:21:58,940

this stuff which I can you know

472

00:22:03,600 --> 00:22:01,070

sometimes I just get so drawn into what

473

00:22:05,680 --> 00:22:03,610

we're doing but overall yes very very

474

00:22:07,900 --> 00:22:05,690

therapeutic I think talking about

475

00:22:10,260 --> 00:22:07,910

Riley's story it's definitely did help

476
00:22:13,690 --> 00:22:10,270
just having an avenue to express our

477
00:22:16,450 --> 00:22:13,700
emotion yeah and tell the listeners a

478
00:22:18,340 --> 00:22:16,460
little bit about the foundation we

479
00:22:20,470 --> 00:22:18,350
started the immunization foundation of

480
00:22:23,020 --> 00:22:20,480
Australia about a year after we lost

481
00:22:25,990 --> 00:22:23,030
Riley we wanted to create an umbrella

482
00:22:27,550 --> 00:22:26,000
foundation so that if other parents you

483
00:22:29,350 --> 00:22:27,560
know how to experiences with vaccine

484
00:22:31,690 --> 00:22:29,360
preventable diseases or other people

485
00:22:33,940 --> 00:22:31,700
wanted to have campaigns or projects

486
00:22:35,980 --> 00:22:33,950
just like like for Riley they could do

487
00:22:39,450 --> 00:22:35,990
it under the umbrella of our foundation

488
00:22:41,800 --> 00:22:39,460

so the mission of the foundation is to

489

00:22:43,720 --> 00:22:41,810

reduce the amount of harm and suffering

490

00:22:46,680 --> 00:22:43,730

caused by vaccine preventable diseases

491

00:22:48,640 --> 00:22:46,690

both in Australia and overseas as well

492

00:22:51,010 --> 00:22:48,650

so we're quite passionate about raising

493

00:22:53,200 --> 00:22:51,020

awareness about diseases so people don't

494

00:22:54,670 --> 00:22:53,210

forget you know what those diseases are

495

00:22:58,390 --> 00:22:54,680

that they do exist that they're out

496

00:23:00,040 --> 00:22:58,400

there and also to do some overseas aid

497

00:23:02,550 --> 00:23:00,050

work which we've just commenced in

498

00:23:04,810 --> 00:23:02,560

Tanzania with a rollout of some

499

00:23:08,290 --> 00:23:04,820

pneumococcal vaccination program well

500

00:23:10,120 --> 00:23:08,300

really yeah well thanks to Professor

501
00:23:11,920 --> 00:23:10,130
Robert boy it's a project that has led

502
00:23:14,200 --> 00:23:11,930
and that we've decided that we would

503
00:23:16,680 --> 00:23:14,210
like to fund so it's training

504
00:23:18,690 --> 00:23:16,690
immunization nurses up over there too

505
00:23:20,310 --> 00:23:18,700
to roll out a two-dose pneumococcal

506
00:23:22,650 --> 00:23:20,320
vaccination program rather than a

507
00:23:24,090 --> 00:23:22,660
three-dose vaccination program which

508
00:23:26,460 --> 00:23:24,100
means it's a lot cheaper for the

509
00:23:28,800 --> 00:23:26,470
countries to run you know the developing

510
00:23:30,660 --> 00:23:28,810
countries but there's a lot of really

511
00:23:33,600 --> 00:23:30,670
good evidence it shows that two doses of

512
00:23:37,320 --> 00:23:33,610
pneumococcal vaccine is enough to

513
00:23:40,740 --> 00:23:37,330

protect yeah Wow that's well you learn

514

00:23:43,170 --> 00:23:40,750

something new so tell me where can

515

00:23:46,080 --> 00:23:43,180

people go to if they want to find out

516

00:23:48,990 --> 00:23:46,090

more about the immunization foundation

517

00:23:51,360 --> 00:23:49,000

and possibly make a donation to such a

518

00:23:53,070 --> 00:23:51,370

worthy cause that would be amazing we

519

00:23:55,620 --> 00:23:53,080

don't have any funding at the moment so

520

00:23:57,360 --> 00:23:55,630

it's all on donations currently and you

521

00:24:01,250 --> 00:23:57,370

can donate on our website which is

522

00:24:05,850 --> 00:24:01,260

immunization foundation.org AM

523

00:24:07,560 --> 00:24:05,860

immunization foundation or a you okay

524

00:24:10,620 --> 00:24:07,570

well we better get back to the store

525

00:24:13,290 --> 00:24:10,630

that pregnancy Expo is winding down and

526

00:24:16,290 --> 00:24:13,300

you're hopping on a plane back to Perth

527

00:24:18,780 --> 00:24:16,300

tonight so you've got still a few hours

528

00:24:23,340 --> 00:24:18,790

ahead of you yet but thank you for your

529

00:24:26,700 --> 00:24:23,350

time and and I'll catch you I'm sure if

530

00:24:28,350 --> 00:24:26,710

not at the next pregnancy Expo at maybe

531

00:24:28,800 --> 00:24:28,360

the next gifticon coming up you never

532

00:24:30,270 --> 00:24:28,810

know

533

00:24:33,060 --> 00:24:30,280

thanks so much for volunteering today

534

00:24:46,780 --> 00:24:33,070

Holly - oh you're very welcome thank you

535

00:24:49,700 --> 00:24:46,790

[Music]

536

00:24:52,460 --> 00:24:49,710

Kwak watch your guide to quackery health

537

00:24:53,600 --> 00:24:52,470

fraud and intelligent decisions operated

538

00:24:56,450 --> 00:24:53,610

by Stephan Barratt

539

00:24:58,550 --> 00:24:56,460

MD quack watch is now an international

540

00:25:00,770 --> 00:24:58,560

network of people who concerned about

541

00:25:02,600 --> 00:25:00,780

health-related frauds myths fans

542

00:25:05,750 --> 00:25:02,610

fallacies and misconducted

543

00:25:07,760 --> 00:25:05,760

its primary focus is on quackery related

544

00:25:10,040 --> 00:25:07,770

information that is difficult or

545

00:25:13,310 --> 00:25:10,050

impossible to get elsewhere articles are

546

00:25:16,700 --> 00:25:13,320

in quackery include quackery how should

547

00:25:20,630 --> 00:25:16,710

it be defined how it sells 26 ways to

548

00:25:23,180 --> 00:25:20,640

spot it how it calms cancer patients 7

549

00:25:25,670 --> 00:25:23,190

warning signs for bogus science why

550

00:25:28,730 --> 00:25:25,680

health professionals become quacks and

551
00:25:31,240 --> 00:25:28,740
many more including in-depth looks at an

552
00:25:35,800 --> 00:25:31,250
acupuncture chiropractic homeopathy

553
00:25:38,190 --> 00:25:35,810
naturopathy and much more visit w-w-w

554
00:25:46,360 --> 00:25:38,200
watch calm

555
00:26:00,010 --> 00:25:57,120
[Music]

556
00:26:03,850 --> 00:26:00,020
now here's a press release from the

557
00:26:05,560 --> 00:26:03,860
Queensland Government and for

558
00:26:09,909 --> 00:26:05,570
international listeners who may not know

559
00:26:12,159 --> 00:26:09,919
Queensland is a very sizable state in

560
00:26:14,230 --> 00:26:12,169
Australia to the north of New South

561
00:26:17,460 --> 00:26:14,240
Wales it's a massive state popular for

562
00:26:20,440 --> 00:26:17,470
our the Great Barrier Reef tourism

563
00:26:21,190 --> 00:26:20,450

rainforest that sort of thing however

564

00:26:24,720 --> 00:26:21,200

here we go

565

00:26:27,940 --> 00:26:24,730

fair trading takes beef with

566

00:26:29,889 --> 00:26:27,950

unsubstantiated cancer cure business

567

00:26:31,990 --> 00:26:29,899

find eleven thousand five hundred and

568

00:26:34,720 --> 00:26:32,000

ninety two dollars and this press

569

00:26:39,730 --> 00:26:34,730

release comes to us on the 14th of June

570

00:26:41,980 --> 00:26:39,740

2018 a Queensland business has been

571

00:26:44,110 --> 00:26:41,990

ordered to pay more than eleven thousand

572

00:26:47,950 --> 00:26:44,120

dollars by the Brisbane Magistrates

573

00:26:50,889 --> 00:26:47,960

Court today 13th of June 2018 for

574

00:26:54,070 --> 00:26:50,899

failing to substantiate claims following

575

00:26:56,649 --> 00:26:54,080

an Office of Fair Trading investigation

576
00:27:00,519 --> 00:26:56,659
son beef proprietary limited training

577
00:27:02,289 --> 00:27:00,529
his son Altima failed to comply with a

578
00:27:04,690 --> 00:27:02,299
notice issued by the Office of Fair

579
00:27:06,880 --> 00:27:04,700
Trading which was seeking to

580
00:27:11,010 --> 00:27:06,890
substantiate claims about its product

581
00:27:15,700 --> 00:27:11,020
curing skin cancer son beef was fined

582
00:27:17,980 --> 00:27:15,710
\$10,000 plus professional costs of \$1500

583
00:27:21,070 --> 00:27:17,990
in addition to \$92 court costs a

584
00:27:23,019 --> 00:27:21,080
conviction was recorded the court heard

585
00:27:26,049 --> 00:27:23,029
that the Office of Fair Trading received

586
00:27:29,230 --> 00:27:26,059
a complaint in 2017 regarding a son

587
00:27:31,450 --> 00:27:29,240
ultimate product in an advertisement the

588
00:27:36,430 --> 00:27:31,460

product of five millilitres son Ultima

589

00:27:40,019 --> 00:27:36,440

skin cancer cure retailed for 560

590

00:27:44,470 --> 00:27:40,029

dollars and was marketed as a quote

591

00:27:47,769 --> 00:27:44,480

natural herbal derived skin cancer cure

592

00:27:49,899 --> 00:27:47,779

end quote son Altimas website also

593

00:27:52,240 --> 00:27:49,909

featured testimonials from three people

594

00:27:54,640 --> 00:27:52,250

who claimed the product had cured their

595

00:27:56,920 --> 00:27:54,650

cancers in the office of fair trade

596

00:28:00,040 --> 00:27:56,930

commenced with an investigation into Sun

597

00:28:02,590 --> 00:28:00,050

Ultima as it was concerned the trader

598

00:28:05,470 --> 00:28:02,600

was misleading vulnerable customers many

599

00:28:08,200 --> 00:28:05,480

of whom may be desperate for a cure that

600

00:28:10,299 --> 00:28:08,210

the Sun ultimate product was a cure for

601
00:28:12,670 --> 00:28:10,309
skin cancer as the Queensland

602
00:28:14,740 --> 00:28:12,680
marketplace regulator the Office of Fair

603
00:28:17,310 --> 00:28:14,750
Trading requested Sun Ultima provide

604
00:28:19,570 --> 00:28:17,320
information to substantiate the claims

605
00:28:22,570 --> 00:28:19,580
identified the people who had provided

606
00:28:25,210 --> 00:28:22,580
testimonials and showed the product was

607
00:28:28,270 --> 00:28:25,220
appropriately endorsed for the treatment

608
00:28:29,950 --> 00:28:28,280
of skin cancer Sun ultimate refused to

609
00:28:32,680 --> 00:28:29,960
provide documents substantiating the

610
00:28:36,490 --> 00:28:32,690
claims made for the product fair trading

611
00:28:39,250 --> 00:28:36,500
executive director Brian Bower said the

612
00:28:42,240 --> 00:28:39,260
result served as a prompt to businesses

613
00:28:45,070 --> 00:28:42,250

to treat consumers fairly quote

614

00:28:48,060 --> 00:28:45,080

businesses must ensure that they are

615

00:28:51,160 --> 00:28:48,070

aware of their Australian Consumer Law

616

00:28:52,810 --> 00:28:51,170

obligations and aren't misrepresenting

617

00:28:56,500 --> 00:28:52,820

their products to consumers end quote

618

00:28:58,419 --> 00:28:56,510

mr. Bower said quote a failure to follow

619

00:29:01,330 --> 00:28:58,429

these obligations will result in

620

00:29:04,210 --> 00:29:01,340

enforcement action by Fair Trading

621

00:29:06,250 --> 00:29:04,220

it is particularly despicable when a

622

00:29:08,680 --> 00:29:06,260

business preys on desperate and

623

00:29:10,540 --> 00:29:08,690

vulnerable consumers the Office of Fair

624

00:29:12,610 --> 00:29:10,550

Trading will investigate and bring

625

00:29:14,770 --> 00:29:12,620

matters like this before the courts end

626
00:29:16,810 --> 00:29:14,780
quote more information on consumer and

627
00:29:22,419 --> 00:29:16,820
business rights and responsibilities can

628
00:29:24,880 --> 00:29:22,429
be found at [www LD gov au](http://www.ld.gov.au) / Fair Trading

629
00:29:27,370 --> 00:29:24,890
and of course there will be a link on

630
00:29:31,299 --> 00:29:27,380
this week's show not an important story

631
00:29:33,940 --> 00:29:31,309
the correct avenues being pursued there

632
00:29:36,280 --> 00:29:33,950
the correct course of action and a

633
00:29:37,930 --> 00:29:36,290
company making unsubstantiated cancer

634
00:29:40,600 --> 00:29:37,940
cures have been brought before the

635
00:29:42,220 --> 00:29:40,610
courts and we can only hope that more

636
00:29:45,250 --> 00:29:42,230
companies like this will end up before

637
00:29:47,380 --> 00:29:45,260
the courts and asked to please provide

638
00:29:48,950 --> 00:29:47,390

information to back up their amazing

639

00:29:50,100 --> 00:29:48,960

claims

640

00:29:52,720 --> 00:29:50,110

[Music]

641

00:30:16,900 --> 00:29:52,730

and thank you to heidi robinson for

642

00:30:18,760 --> 00:30:16,910

bringing this story to my attention well

643

00:30:20,680 --> 00:30:18,770

it's been a wonderful day here at

644

00:30:21,760 --> 00:30:20,690

skeptic are they still going on but I've

645

00:30:24,970 --> 00:30:21,770

snuck outside

646

00:30:28,930 --> 00:30:24,980

I'm with Kyle Pollock who does a podcast

647

00:30:29,920 --> 00:30:28,940

called the data skeptic what what what

648

00:30:32,650 --> 00:30:29,930

what is this all about

649

00:30:34,990 --> 00:30:32,660

what do you skeptical of with data well

650

00:30:37,600 --> 00:30:35,000

I used to say I'm skeptical of and with

651

00:30:39,550 --> 00:30:37,610

data that data is not only the tool we

652

00:30:41,170 --> 00:30:39,560

use to do applied skepticism but it's

653

00:30:42,670 --> 00:30:41,180

something to be skeptical of because

654

00:30:44,710 --> 00:30:42,680

people can lie with statistics if they

655

00:30:47,410 --> 00:30:44,720

choose to that's an interesting angle

656

00:30:50,440 --> 00:30:47,420

because the talk which you gave about an

657

00:30:52,240 --> 00:30:50,450

hour ago or so was all about artificial

658

00:30:55,750 --> 00:30:52,250

intelligence so how does that wrap

659

00:30:57,970 --> 00:30:55,760

itself into what you do so AI is kind of

660

00:30:59,530 --> 00:30:57,980

this goal state if you will of people in

661

00:31:01,870 --> 00:30:59,540

the computer science world working on

662

00:31:04,030 --> 00:31:01,880

machine learning machine learning is a

663

00:31:06,100 --> 00:31:04,040

powerful technology in play and a lot of

664

00:31:07,660 --> 00:31:06,110

places in our world today I would be

665

00:31:09,910 --> 00:31:07,670

impressed if anyone could claim they

666

00:31:12,430 --> 00:31:09,920

don't see its benefits on a day to day

667

00:31:13,750 --> 00:31:12,440

basis from Google searches to our phones

668

00:31:15,310 --> 00:31:13,760

that hear our language and all these

669

00:31:17,260 --> 00:31:15,320

sorts of wonderful advancements and

670

00:31:18,520 --> 00:31:17,270

there's this pinnacle thing we'd one day

671

00:31:20,890 --> 00:31:18,530

like to do and that's make a machine

672

00:31:23,110 --> 00:31:20,900

think and while I have no doubt that

673

00:31:25,720 --> 00:31:23,120

eventually homo sapiens have figured out

674

00:31:27,670 --> 00:31:25,730

a way to do that the path to getting to

675

00:31:29,980 --> 00:31:27,680

it isn't totally clear but I'm excited

676
00:31:31,750 --> 00:31:29,990
to cover the road the advancements along

677
00:31:33,280 --> 00:31:31,760
that path and also be skeptical of the

678
00:31:35,080 --> 00:31:33,290
claim that are a bit dubious along the

679
00:31:37,810 --> 00:31:35,090
lines there are a lot of claims out yeah

680
00:31:38,890 --> 00:31:37,820
yeah you you're speaking about some of

681
00:31:40,450 --> 00:31:38,900
them today but I'm interested in this

682
00:31:44,200 --> 00:31:40,460
whole concept of artificial intelligence

683
00:31:47,140 --> 00:31:44,210
at what stage do you consider this

684
00:31:50,080 --> 00:31:47,150
computer sitting on the floor has

685
00:31:51,760 --> 00:31:50,090
artificial intelligence as opposed to oh

686
00:31:53,680 --> 00:31:51,770
it's just a very good and quick computer

687
00:31:55,300 --> 00:31:53,690
well we have today is just a very good

688
00:31:57,330 --> 00:31:55,310

and quick computer that's right yeah

689

00:31:59,550 --> 00:31:57,340

absolutely there are thing

690

00:32:00,450 --> 00:31:59,560

that worked today that are almost spooky

691

00:32:02,730 --> 00:32:00,460

and how good they are

692

00:32:04,320 --> 00:32:02,740

I'm impressed with language translation

693

00:32:06,480 --> 00:32:04,330

the state of the art to go from English

694

00:32:08,340 --> 00:32:06,490

to Spanish or some other language it

695

00:32:10,770 --> 00:32:08,350

used to be with simple word replacement

696

00:32:12,180 --> 00:32:10,780

and there'd be these funny things you'd

697

00:32:14,030 --> 00:32:12,190

put it into some system that would

698

00:32:16,290 --> 00:32:14,040

translate you'd get just gibberish out

699

00:32:18,030 --> 00:32:16,300

not so much anymore

700

00:32:20,700 --> 00:32:18,040

the mistakes those machines make today

701
00:32:22,200 --> 00:32:20,710
are few and far between and even the

702
00:32:24,300 --> 00:32:22,210
ones they do seem to highlight an

703
00:32:25,830 --> 00:32:24,310
incompatibility of languages you know

704
00:32:29,010 --> 00:32:25,840
where one language is more expressive in

705
00:32:30,930 --> 00:32:29,020
some fact in some way than another yet

706
00:32:33,390 --> 00:32:30,940
we don't call that AI it's it's very

707
00:32:34,950 --> 00:32:33,400
good at a very specific task and that's

708
00:32:36,390 --> 00:32:34,960
what's been the major breakthroughs and

709
00:32:38,340 --> 00:32:36,400
achievements we've seen in the last

710
00:32:40,020 --> 00:32:38,350
couple of decades you know getting

711
00:32:42,450 --> 00:32:40,030
really good at really specific things

712
00:32:44,370 --> 00:32:42,460
but to get good at general intelligence

713
00:32:46,710 --> 00:32:44,380

that's still just out of reach for

714

00:32:49,410 --> 00:32:46,720

current state of the art technology yeah

715

00:32:51,210 --> 00:32:49,420

you're absolutely right because how you

716

00:32:54,030 --> 00:32:51,220

hear this tone up I've heard this term

717

00:32:56,070 --> 00:32:54,040

for years yeah I mean what I really

718

00:32:58,980 --> 00:32:56,080

think about it I one of my first Jobs

719

00:33:02,340 --> 00:32:58,990

was in computers educational software

720

00:33:04,080 --> 00:33:02,350

and that was in the 80s and I think I

721

00:33:05,970 --> 00:33:04,090

remember hearing the term artificial

722

00:33:08,430 --> 00:33:05,980

intelligence even way back then well it

723

00:33:10,650 --> 00:33:08,440

goes back to the 50s really our great

724

00:33:12,330 --> 00:33:10,660

founding father Alan Turing was the

725

00:33:15,290 --> 00:33:12,340

first deposit the question can a machine

726

00:33:18,420 --> 00:33:15,300

think in his 1950 paper very

727

00:33:20,040 --> 00:33:18,430

forward-looking you know outlined kind

728

00:33:21,900 --> 00:33:20,050

of the argument and how we would test

729

00:33:24,030 --> 00:33:21,910

for it through the imitation game and

730

00:33:25,830 --> 00:33:24,040

we're still testing a bit today but

731

00:33:29,130 --> 00:33:25,840

we're not quite there yet at the general

732

00:33:32,580 --> 00:33:29,140

intelligence level and you and your talk

733

00:33:35,760 --> 00:33:32,590

you're talking about the the test mr.

734

00:33:39,600 --> 00:33:35,770

Turing test isn't it yeah and for people

735

00:33:40,970 --> 00:33:39,610

who don't know that's where a person

736

00:33:42,770 --> 00:33:40,980

enters a room and there

737

00:33:44,480 --> 00:33:42,780

have two responses and they have to

738

00:33:46,310 --> 00:33:44,490

figure out if the response a is a human

739

00:33:48,680 --> 00:33:46,320

or a computer and response B is it from

740

00:33:50,630 --> 00:33:48,690

a human or a computer and I think I've

741

00:33:53,870 --> 00:33:50,640

come across that myself there's certain

742

00:33:55,760 --> 00:33:53,880

online help sure yeah situations where

743

00:33:58,700 --> 00:33:55,770

I've been spending 10 minutes chatting

744

00:34:01,330 --> 00:33:58,710

to to Mary or whatever it is and I

745

00:34:04,070 --> 00:34:01,340

thought wait a minute this is just a bot

746

00:34:06,500 --> 00:34:04,080

that's that's scary that's spooky

747

00:34:09,350 --> 00:34:06,510

yeah that technology is advancing

748

00:34:11,960 --> 00:34:09,360

quickly and for specific tasks book me a

749

00:34:13,700 --> 00:34:11,970

flight arrange my vacation you know

750

00:34:15,770 --> 00:34:13,710

things that you can kind of quantify and

751

00:34:17,780 --> 00:34:15,780

isolate is a limited number of inputs

752

00:34:18,890 --> 00:34:17,790

and outputs that technology is really

753

00:34:20,930 --> 00:34:18,900

getting there and I think we're gonna

754

00:34:23,180 --> 00:34:20,940

see a transformation over the next five

755

00:34:25,490 --> 00:34:23,190

to ten years where chat BOTS become the

756

00:34:27,650 --> 00:34:25,500

new user interface yeah but in the same

757

00:34:29,630 --> 00:34:27,660

way you go to your web browser to find a

758

00:34:31,970 --> 00:34:29,640

website you go to your email client to

759

00:34:33,919 --> 00:34:31,980

do email there's no general purpose

760

00:34:35,750 --> 00:34:33,929

anything yet obviously Google aspires to

761

00:34:37,040 --> 00:34:35,760

be that with their block or their search

762

00:34:39,560 --> 00:34:37,050

box and maybe they'll get there one day

763

00:34:41,300 --> 00:34:39,570

but it's not a conversational agent and

764

00:34:43,340 --> 00:34:41,310

one of the things Turing identified as

765

00:34:45,980 --> 00:34:43,350

conversation is really a key to

766

00:34:47,780 --> 00:34:45,990

measuring intelligence it's not can one

767

00:34:49,850 --> 00:34:47,790

bot be convincing for 10 minutes while

768

00:34:52,400 --> 00:34:49,860

you find out if your warranty is expired

769

00:34:54,560 --> 00:34:52,410

it's you know when you are aware that

770

00:34:56,240 --> 00:34:54,570

you might be talking to a machine can

771

00:34:57,560 --> 00:34:56,250

you tell the difference if it's actively

772

00:34:59,270 --> 00:34:57,570

trying to deceive you that that's the

773

00:35:01,700 --> 00:34:59,280

real measure of an intelligent thinking

774

00:35:04,220 --> 00:35:01,710

machine and that hasn't happened yet

775

00:35:06,380 --> 00:35:04,230

although there are situations with me

776

00:35:08,840 --> 00:35:06,390

and my online chat where I was trying to

777

00:35:10,640 --> 00:35:08,850

fix a problem with my phone service and

778

00:35:12,170 --> 00:35:10,650

it occurred to me sometime down the

779

00:35:13,910 --> 00:35:12,180

track that this wasn't a human but not

780

00:35:15,680 --> 00:35:13,920

originally there are asked they were

781

00:35:17,240 --> 00:35:15,690

saying how I used today what can I do

782

00:35:18,140 --> 00:35:17,250

for you let me look that up that sort of

783

00:35:20,180 --> 00:35:18,150

thing yeah of course

784

00:35:22,130 --> 00:35:20,190

you're going into it first with the

785

00:35:24,140 --> 00:35:22,140

assumption you're talking to a human but

786

00:35:26,330 --> 00:35:24,150

not necessarily the expectation that

787

00:35:28,730 --> 00:35:26,340

you're going to be deceived yes and that

788

00:35:30,830 --> 00:35:28,740

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

789

00:35:33,350 --> 00:35:30,840

good job and it can get pretty far into

790

00:35:35,630 --> 00:35:33,360

a conversation because you know think

791

00:35:38,510 --> 00:35:35,640

about it if you call a car rental agency

792

00:35:39,950 --> 00:35:38,520

there is probably one of four questions

793

00:35:41,420 --> 00:35:39,960

you're gonna ask you know can I change

794

00:35:43,340 --> 00:35:41,430

my appointment you have availability

795

00:35:44,960 --> 00:35:43,350

things that they've heard a thousand

796

00:35:46,550 --> 00:35:44,970

times and have probably been tracking

797

00:35:48,020 --> 00:35:46,560

you know through the software they've

798

00:35:50,270 --> 00:35:48,030

had on the machines for a while so

799

00:35:53,150 --> 00:35:50,280

building a system that's an expert in

800

00:35:54,840 --> 00:35:53,160

these very narrow areas can get you 10

801
00:35:56,940 --> 00:35:54,850
minutes into a conversation but

802
00:35:59,400 --> 00:35:56,950
when you say oh by the way I'm gonna

803
00:36:01,920 --> 00:35:59,410
need a car with XM radio and preferably

804
00:36:03,540 --> 00:36:01,930
one that's a hybrid and maybe that's a

805
00:36:06,540 --> 00:36:03,550
task that a chat bot will soon be able

806
00:36:08,820 --> 00:36:06,550
to respond to but today it'll either

807
00:36:10,920 --> 00:36:08,830
respond nonsensically reveal itself or

808
00:36:12,990 --> 00:36:10,930
if they've coded it in a very smart way

809
00:36:14,370 --> 00:36:13,000
maybe escalate you to a human and if

810
00:36:17,280 --> 00:36:14,380
they do that seamlessly you might not

811
00:36:19,650 --> 00:36:17,290
even know it's happened that is true do

812
00:36:22,590 --> 00:36:19,660
you think though in that situation where

813
00:36:25,380 --> 00:36:22,600

I'm going to the webpage to us for help

814

00:36:28,170 --> 00:36:25,390

and says chat to us now do you think as

815

00:36:31,320 --> 00:36:28,180

a courtesy it should say you are now

816

00:36:33,690 --> 00:36:31,330

speaking with xxx why the computer oh

817

00:36:35,550 --> 00:36:33,700

that's a very interesting question

818

00:36:37,470 --> 00:36:35,560

would people then just not chat to them

819

00:36:39,060 --> 00:36:37,480

I think it's entirely like a question

820

00:36:41,010 --> 00:36:39,070

for a sociologist not a computer

821

00:36:43,170 --> 00:36:41,020

scientist because yeah people might

822

00:36:45,870 --> 00:36:43,180

reject it on that basis or assume it

823

00:36:47,280 --> 00:36:45,880

can't be good especially I'm not that I

824

00:36:49,170 --> 00:36:47,290

consider myself yet of an older

825

00:36:50,880 --> 00:36:49,180

generation but I'm 37 there's a lot of

826

00:36:52,470 --> 00:36:50,890

people younger than me I think they're

827

00:36:54,270 --> 00:36:52,480

more accepting of some of those things I

828

00:36:55,620 --> 00:36:54,280

don't want to talk to a chat but most of

829

00:36:57,600 --> 00:36:55,630

the time because I know the limits of

830

00:36:59,100 --> 00:36:57,610

the technology why I'm with you however

831

00:37:01,830 --> 00:36:59,110

if I think the checkbook could easily

832

00:37:04,020 --> 00:37:01,840

fix my problems I don't care right you

833

00:37:06,960 --> 00:37:04,030

know instantly yeah I don't have to talk

834

00:37:08,790 --> 00:37:06,970

to a human if I'd if a computer can

835

00:37:10,800 --> 00:37:08,800

solve my problems and I guess you saw

836

00:37:12,510 --> 00:37:10,810

that thing no a month or two back with

837

00:37:16,710 --> 00:37:12,520

Google where they had the voice ringing

838

00:37:17,760 --> 00:37:16,720

that the ball will duplex so I meant

839

00:37:20,130 --> 00:37:17,770

Google for what they're doing there a

840

00:37:21,450 --> 00:37:20,140

very interesting project and what

841

00:37:23,420 --> 00:37:21,460

they're doing is interesting I wouldn't

842

00:37:27,180 --> 00:37:23,430

call it artificial general intelligence

843

00:37:29,280 --> 00:37:27,190

if you it's mimicking intelligence it's

844

00:37:30,810 --> 00:37:29,290

it's mimicking and actually I would say

845

00:37:32,190 --> 00:37:30,820

even though I don't you know I don't

846

00:37:33,690 --> 00:37:32,200

wanna start a conspiracy theory I don't

847

00:37:35,640 --> 00:37:33,700

I think behind the scenes here but I

848

00:37:37,410 --> 00:37:35,650

think it was a bit of a show that they

849

00:37:39,000 --> 00:37:37,420

put on rather than a real technology

850

00:37:40,800 --> 00:37:39,010

demonstration I mean they did what they

851
00:37:42,330 --> 00:37:40,810
didn't play I guess is the 12 times they

852
00:37:45,210 --> 00:37:42,340
rang up somebody and then but got it

853
00:37:47,160 --> 00:37:45,220
completely wrong yeah and the bots the

854
00:37:50,040 --> 00:37:47,170
real giveaway for me is those BOTS say

855
00:37:51,660 --> 00:37:50,050
things like um I've probably said I'm a

856
00:37:53,160 --> 00:37:51,670
couple of times maybe you've slept a few

857
00:37:57,150 --> 00:37:53,170
and perhaps they'll disappear in editing

858
00:37:58,920 --> 00:37:57,160
if you can but not now that's something

859
00:38:01,200 --> 00:37:58,930
that no current state-of-the-art

860
00:38:03,210 --> 00:38:01,210
technology would insert for any reason

861
00:38:05,280 --> 00:38:03,220
it had to be a deliberate choice to kind

862
00:38:07,170 --> 00:38:05,290
of deceive the other person or make them

863
00:38:08,670 --> 00:38:07,180

play the game a little bit so that that

864

00:38:10,950 --> 00:38:08,680

machine could gather some information

865

00:38:12,750 --> 00:38:10,960

and if you know as they point out if

866

00:38:15,630 --> 00:38:12,760

calling and saying are you open today on

867

00:38:17,070 --> 00:38:15,640

a holiday saves that company 18 phone

868

00:38:18,270 --> 00:38:17,080

calls asking the same thing because they

869

00:38:19,500 --> 00:38:18,280

propagate that information of the

870

00:38:22,020 --> 00:38:19,510

website then that's great

871

00:38:24,180 --> 00:38:22,030

so as a technology wonderful as

872

00:38:27,570 --> 00:38:24,190

artificial intelligence not Google

873

00:38:29,460 --> 00:38:27,580

duplex yeah yeah so what sort of things

874

00:38:30,990 --> 00:38:29,470

do you cover in your podcast this sort

875

00:38:32,910 --> 00:38:31,000

of thing artificial intelligence when it

876

00:38:34,980 --> 00:38:32,920

comes to data rows your podcast more

877

00:38:37,350 --> 00:38:34,990

broad than that well we spend what I

878

00:38:39,810 --> 00:38:37,360

would call machine learning data science

879

00:38:41,220 --> 00:38:39,820

AI and we dabble a little bit in

880

00:38:44,250 --> 00:38:41,230

interesting topics that are kind of

881

00:38:46,470 --> 00:38:44,260

adjacent to that we tend to take on as

882

00:38:48,540 --> 00:38:46,480

of recently different seasonal themes so

883

00:38:50,490 --> 00:38:48,550

we did a theme on computational

884

00:38:52,410 --> 00:38:50,500

complexity theory late last year this

885

00:38:54,090 --> 00:38:52,420

whole year has been all about AI and in

886

00:38:57,030 --> 00:38:54,100

July it's gonna turn over to a brand new

887

00:38:59,370 --> 00:38:57,040

theme it'll be something I'm not ready

888

00:39:00,990 --> 00:38:59,380

to release yet but I can say it's very

889

00:39:02,250 --> 00:39:01,000

timely for things that are going on in

890

00:39:04,410 --> 00:39:02,260

the news ooh

891

00:39:07,350 --> 00:39:04,420

that could mean a lot of things could

892

00:39:09,630 --> 00:39:07,360

indeed yeah and how long is your podcast

893

00:39:11,400 --> 00:39:09,640

be down there we're coming up on five

894

00:39:13,440 --> 00:39:11,410

years sometime late this year I think

895

00:39:14,790 --> 00:39:13,450

yeah not quite it skeptics on that list

896

00:39:17,790 --> 00:39:14,800

but we're getting there

897

00:39:19,890 --> 00:39:17,800

Oh congratulations ie five uses is a big

898

00:39:21,630 --> 00:39:19,900

deal these days yeah definitely and how

899

00:39:24,600 --> 00:39:21,640

often does he come out once a week

900

00:39:26,790 --> 00:39:24,610

oh and as someone who does it once a

901
00:39:28,830 --> 00:39:26,800
week podcast I can appreciate the time

902
00:39:30,090 --> 00:39:28,840
and effort in putting together that and

903
00:39:32,340 --> 00:39:30,100
what was the length of the podcast

904
00:39:34,920 --> 00:39:32,350
roughly varies so we kind of switch up

905
00:39:37,110 --> 00:39:34,930
our formats I'll do interviews that'll

906
00:39:39,030 --> 00:39:37,120
be longer usually 30 40 minutes and then

907
00:39:41,190 --> 00:39:39,040
just about every other episode is what

908
00:39:43,650 --> 00:39:41,200
we call a mini episode 15-20 minutes

909
00:39:45,510 --> 00:39:43,660
where I talked to my wife was very

910
00:39:47,820 --> 00:39:45,520
intelligent smart woman but this isn't

911
00:39:49,080 --> 00:39:47,830
her field and I try and break things

912
00:39:51,210 --> 00:39:49,090
down to her and get her to understand

913
00:39:53,190 --> 00:39:51,220

the concepts I work on so it's meant to

914

00:39:55,830 --> 00:39:53,200

be an explainer or a tutorial for people

915

00:39:58,800 --> 00:39:55,840

who are so she's asking the questions

916

00:40:01,020 --> 00:39:58,810

for the audience sort of exactly yeah

917

00:40:03,510 --> 00:40:01,030

sort of the the straight man or straight

918

00:40:05,460 --> 00:40:03,520

woman persona when I get into too much

919

00:40:06,570 --> 00:40:05,470

jargon she'll call me out on it and say

920

00:40:08,580 --> 00:40:06,580

what does that actually mean

921

00:40:11,490 --> 00:40:08,590

all right folks there's the clue there's

922

00:40:13,890 --> 00:40:11,500

the hint for you data skeptic skeptics

923

00:40:15,600 --> 00:40:13,900

data skeptic skeptic singular singular

924

00:40:18,240 --> 00:40:15,610

okay with a k' that's the name of the

925

00:40:20,430 --> 00:40:18,250

podcast links in this week's show notes

926

00:40:23,040 --> 00:40:20,440

and don't be surprised in the coming

927

00:40:25,740 --> 00:40:23,050

months you'll hear a rotating promotion

928

00:40:28,440 --> 00:40:25,750

for that podcast or car great to meet

929

00:40:29,880 --> 00:40:28,450

you here at skeptic al thank you and a

930

00:40:31,800 --> 00:40:29,890

very interesting talk on artificial

931

00:40:33,330 --> 00:40:31,810

intelligence and who knows if you give

932

00:40:34,800 --> 00:40:33,340

that talk next year from behind a

933

00:40:35,310 --> 00:40:34,810

curtain it might be a computer doing it

934

00:40:43,020 --> 00:40:35,320

for you

935

00:40:45,570 --> 00:40:43,030

you never know thank you this is Kyle

936

00:40:47,970 --> 00:40:45,580

from the data skeptic podcast if you're

937

00:40:50,430 --> 00:40:47,980

curious about the way data is changing

938

00:40:52,980 --> 00:40:50,440

our world topics like AI and all this

939

00:40:54,990 --> 00:40:52,990

craziness with Facebook and BOTS and the

940

00:40:57,030 --> 00:40:55,000

Twitter storm and how the algorithms

941

00:40:58,620 --> 00:40:57,040

that underline that work and you don't

942

00:41:00,300 --> 00:40:58,630

want a technical deep dive you want it

943

00:41:01,920 --> 00:41:00,310

you know in the vernacular in a way that

944

00:41:03,690 --> 00:41:01,930

people can understand check us out at

945

00:41:05,880 --> 00:41:03,700

data skeptic that's what we try and do I

946

00:41:07,650 --> 00:41:05,890

interview advanced professionals in the

947

00:41:09,510 --> 00:41:07,660

field who do this sort of research and

948

00:41:14,280 --> 00:41:09,520

then I get into interesting projects as

949

00:41:15,910 --> 00:41:14,290

well we're a weekly show and you can

950

00:41:33,500 --> 00:41:15,920

find this data skeptic calm

951

00:41:38,100 --> 00:41:36,120

thank you for listening to the skeptic

952

00:41:40,650 --> 00:41:38,110

zone now coming up next week on the

953

00:41:43,080 --> 00:41:40,660

skeptic CERN oh I really don't know

954

00:41:44,790 --> 00:41:43,090

that's that one of the mysteries of life

955

00:41:46,320 --> 00:41:44,800

what's coming up on the next skeptic

956

00:41:48,390 --> 00:41:46,330

zone episode I don't have anything

957

00:41:50,820 --> 00:41:48,400

particularly lined up but never fear

958

00:41:54,540 --> 00:41:50,830

we'll get something together for you for

959

00:41:56,670 --> 00:41:54,550

next week I think think in the coming

960

00:41:59,490 --> 00:41:56,680

week I will be flying back to Sydney

961

00:42:02,100 --> 00:41:59,500

Australia back into and the nice cool

962

00:42:04,260 --> 00:42:02,110

winter now for those people who

963

00:42:05,880 --> 00:42:04,270

subscribe to the skeptic magazine the

964

00:42:09,540 --> 00:42:05,890

Journal from Australian sceptics there's

965

00:42:12,420 --> 00:42:09,550

a story in the latest issue just posted

966

00:42:15,720 --> 00:42:12,430

a week ago I think about the history of

967

00:42:18,510 --> 00:42:15,730

the skeptic zone podcast because we just

968

00:42:19,950 --> 00:42:18,520

recently celebrated 500 episodes I wrote

969

00:42:22,200 --> 00:42:19,960

a little history and a little bit of a

970

00:42:23,790 --> 00:42:22,210

background to the skeptic zone if you're

971

00:42:25,860 --> 00:42:23,800

a subscriber you would have read that by

972

00:42:27,570 --> 00:42:25,870

now I hope if you're not a subscriber to

973

00:42:31,050 --> 00:42:27,580

the skeptic magazine from Australian

974

00:42:34,320 --> 00:42:31,060

skeptics skeptics comdata you follow the

975

00:42:37,560 --> 00:42:34,330

links and you can enjoy that magazine

976

00:42:39,750 --> 00:42:37,570

digitally or in your post box four times

977

00:42:42,090 --> 00:42:39,760

a year and thank you to those people who

978

00:42:45,180 --> 00:42:42,100

continue to support the skeptic zone via

979

00:42:49,260 --> 00:42:45,190

PayPal or patreon at skeptic zone TV and

980

00:42:51,330 --> 00:42:49,270

as I have been saying for 10 years your

981

00:42:53,700 --> 00:42:51,340

contributions make the show possible

982

00:42:55,230 --> 00:42:53,710

but until next week actually I've got to

983

00:42:57,960 --> 00:42:55,240

get back to Sydney Australia really I've

984

00:42:59,400 --> 00:42:57,970

got to keep an eye on may not hmm if you

985

00:43:01,710 --> 00:42:59,410

haven't kept an eye on Maynard go to

986

00:43:03,180 --> 00:43:01,720

Maynard comm go to you for his podcasts

987

00:43:04,860 --> 00:43:03,190

but until next week

988

00:43:11,030 --> 00:43:04,870

this is Richard Saunders signing off

989

00:43:16,470 --> 00:43:13,560

you've been listening to the skeptic

990

00:43:23,160 --> 00:43:16,480

zone podcast please visit our website at

991

00:43:26,660 --> 00:43:23,170

wwlp.com tax and to access the bat

992

00:43:29,340 --> 00:43:26,670

catalog of episodes going back to 2008

993

00:43:31,650 --> 00:43:29,350

you can follow the skeptic zone podcast

994

00:43:34,230 --> 00:43:31,660

on twitter at skeptic zone

995

00:43:35,780 --> 00:43:34,240

visit our facebook page or leave a

996

00:43:38,460 --> 00:43:35,790

review on itunes

997

00:43:41,850 --> 00:43:38,470

you can also support the skeptic zone

998

00:43:44,570 --> 00:43:41,860

via patreon or PayPal the skeptic zone

999

00:43:46,950 --> 00:43:44,580

podcast is an independent production

1000

00:43:49,080 --> 00:43:46,960

reviews and opinions expressed on the

1001

00:43:51,420 --> 00:43:49,090

skeptic zone are not necessarily those

1002

00:43:53,220 --> 00:43:51,430

of Australian skeptics for any other