

Episode **569**

THE
**SKEPTIC
ZONE**
PODCAST

8 September 2019

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The Skeptic Zone Podcast



Jonathan Jarry

Episode **569** - 8 Sept 2019

Ear Candles with
Jonathan Jarry

Health Alert for
New Zealand

Maynard in the Pub!

The Skeptic Zone Podcast



Episode **569** - 8 Sept 2019

1
00:00:11,910 --> 00:00:09,110
welcome to the skeptic zone the podcast

2
00:00:27,090 --> 00:00:11,920
from Australia for science and reason

3
00:00:33,550 --> 00:00:29,740
hello and welcome to the skeptic Zone

4
00:00:37,299 --> 00:00:33,560
podcast episode number 569 for the 8th

5
00:00:40,150 --> 00:00:37,309
of September 2019 Richardson is here

6
00:00:44,410 --> 00:00:40,160
with you from pier 39 in San Francisco

7
00:00:48,130 --> 00:00:44,420
home of the sea lions which are lazing

8
00:00:51,189 --> 00:00:48,140
and basking around for the hundreds and

9
00:00:53,680 --> 00:00:51,199
hundreds of tourists on this cool day to

10
00:00:56,490 --> 00:00:53,690
come and see this has been a major

11
00:00:59,710 --> 00:00:56,500
tourist attraction for San Francisco

12
00:01:02,500 --> 00:00:59,720
decades I think it is after the sea

13
00:01:05,229 --> 00:01:02,510

lions decided to take over part of the

14

00:01:09,580 --> 00:01:05,239

floating docks down here it's quite a

15

00:01:14,610 --> 00:01:09,590

sight to see them all lazing about and a

16

00:01:19,260 --> 00:01:14,620

smell coming up on this week's show and

17

00:01:21,850 --> 00:01:19,270

the reason why this is episode number

18

00:01:23,980 --> 00:01:21,860

569 soon coming up on this week's show

19

00:01:26,999 --> 00:01:23,990

we're gonna kick off with an interview

20

00:01:30,010 --> 00:01:27,009

with Jonathan Gerry from Quebec Canada

21

00:01:32,350 --> 00:01:30,020

now he has recently put out a wonderful

22

00:01:36,429 --> 00:01:32,360

very interesting video all about

23

00:01:39,300 --> 00:01:36,439

Eirik and lingo oh yes that evergreen

24

00:01:44,020 --> 00:01:39,310

that pillar of quackery ear candling

25

00:01:46,539 --> 00:01:44,030

it's an impressive video I found it very

26

00:01:49,230 --> 00:01:46,549

educational and as you'll find out it's

27

00:01:53,020 --> 00:01:49,240

actually helps me to change a

28

00:01:54,279 --> 00:01:53,030

long-standing habit of mine find out

29

00:01:56,760 --> 00:01:54,289

more when I interview

30

00:01:59,169 --> 00:01:56,770

Jonathan Gerry at the top of the show

31

00:02:02,649 --> 00:01:59,179

following that we have a very unusual

32

00:02:04,649 --> 00:02:02,659

situation of a travel advisory a travel

33

00:02:10,510 --> 00:02:04,659

alert for residents of New South Wales

34

00:02:12,340 --> 00:02:10,520

heading to New Zealand of all places why

35

00:02:14,890 --> 00:02:12,350

would there be a travel alert from the

36

00:02:18,680 --> 00:02:14,900

New South Wales Health Department for a

37

00:02:21,240 --> 00:02:18,690

country like New Zealand find out soon

38

00:02:22,860 --> 00:02:21,250

and around off the show may not heads

39

00:02:26,010 --> 00:02:22,870

for Sydney skeptics in the pub to us

40

00:02:29,160 --> 00:02:26,020

pubs us pub go is the big question was

41

00:02:31,620 --> 00:02:29,170

there a moment or the point of time and

42

00:02:36,480 --> 00:02:31,630

an incident in the event that turns you

43

00:02:41,400 --> 00:02:36,490

into a skeptic now the reason this is

44

00:02:44,400 --> 00:02:41,410

episode number 569 and not 568 is that

45

00:02:45,900 --> 00:02:44,410

episode 568 is the live skeptic CERN

46

00:02:48,690 --> 00:02:45,910

recorded at DragonCon

47

00:02:51,780 --> 00:02:48,700

and you can see that by visiting skeptic

48

00:02:54,990 --> 00:02:51,790

zone TV now that was put together by the

49

00:02:57,180 --> 00:02:55,000

very hard-working crew of calico Cove

50

00:02:59,430 --> 00:02:57,190

who were doing the audio video for

51
00:03:03,570 --> 00:02:59,440
Dragon Con MOT this site and his team

52
00:03:05,340 --> 00:03:03,580
and you can see and they're putting them

53
00:03:08,970 --> 00:03:05,350
up bit by bit you can see lots of videos

54
00:03:11,610 --> 00:03:08,980
from the event at video dots kept track

55
00:03:13,260 --> 00:03:11,620
org and I will certainly be linking that

56
00:03:15,990 --> 00:03:13,270
in the show notes

57
00:03:18,870 --> 00:03:16,000
and it was like I stepped into a TV

58
00:03:22,410 --> 00:03:18,880
studio folks I've never seen such an

59
00:03:25,140 --> 00:03:22,420
elaborate production equipment for a

60
00:03:27,480 --> 00:03:25,150
convention before there was a control

61
00:03:32,070 --> 00:03:27,490
room halfway down the thus kept track

62
00:03:35,820 --> 00:03:32,080
room multiple cameras lighting prompters

63
00:03:39,930 --> 00:03:35,830

all sorts of things going on and it is

64

00:03:43,800 --> 00:03:39,940

certainly something to see anyway you

65

00:03:46,250 --> 00:03:43,810

can check out the live skeptic zone see

66

00:03:50,010 --> 00:03:46,260

the production that went into that at

67

00:03:52,100 --> 00:03:50,020

skeptic zone TV and now it's time for me

68

00:03:55,080 --> 00:03:52,110

to walk away from these see lines I

69

00:03:58,140 --> 00:03:55,090

think they're doing ok I'm gonna find

70

00:04:00,630 --> 00:03:58,150

some nice clam chowder and root beard

71

00:04:03,510 --> 00:04:00,640

while I'm doing that I hope you enjoy

72

00:04:21,090 --> 00:04:03,520

the skipping zone

73

00:04:24,100 --> 00:04:21,100

[Music]

74

00:04:25,930 --> 00:04:24,110

joining me now all the way from Montreal

75

00:04:28,360 --> 00:04:25,940

in Canada are now that's a place I'd

76
00:04:30,400 --> 00:04:28,370
love to visit it's somebody whose video

77
00:04:31,720 --> 00:04:30,410
I just saw the other day for the first

78
00:04:34,390 --> 00:04:31,730
time I was very impressed

79
00:04:37,330 --> 00:04:34,400
it's Jonathan Gerry hello Jonathan hi

80
00:04:39,540 --> 00:04:37,340
Richard how are you I'm very well and

81
00:04:43,180 --> 00:04:39,550
I'm very happy to talk with you because

82
00:04:45,970 --> 00:04:43,190
some years ago the Australian skeptics

83
00:04:48,730 --> 00:04:45,980
put out an open letter to the pharmacies

84
00:04:51,640 --> 00:04:48,740
of Australia imploring them not to sell

85
00:04:53,230 --> 00:04:51,650
ear candles and I'll link to that on the

86
00:04:55,540 --> 00:04:53,240
show notes folks he can read that for

87
00:04:58,120 --> 00:04:55,550
yourself and I can still go into

88
00:05:00,280 --> 00:04:58,130

pharmacies these days in around Sydney

89

00:05:03,160 --> 00:05:00,290

anyway and find ear candles which was a

90

00:05:05,320 --> 00:05:03,170

pity and then a few days ago I think

91

00:05:09,160 --> 00:05:05,330

Michael Marshall posted your video all

92

00:05:11,380 --> 00:05:09,170

about ear candles which was really good

93

00:05:13,120 --> 00:05:11,390

for many points of view and we'll get to

94

00:05:14,890 --> 00:05:13,130

the details in a moment but what

95

00:05:19,180 --> 00:05:14,900

inspired you to make that particular

96

00:05:20,530 --> 00:05:19,190

video yeah I used to do a show so I work

97

00:05:23,020 --> 00:05:20,540

for the McGill office for science and

98

00:05:24,730 --> 00:05:23,030

society we're very lucky we have an

99

00:05:26,230 --> 00:05:24,740

office here at McGill that is dedicated

100

00:05:27,610 --> 00:05:26,240

to separating sense from nonsense I'm a

101
00:05:30,310 --> 00:05:27,620
science communicator working for them

102
00:05:32,290 --> 00:05:30,320
I'm essentially a full-time skeptic with

103
00:05:35,170 --> 00:05:32,300
a job which is which is really quite the

104
00:05:37,420 --> 00:05:35,180
privilege and and I had a show that ran

105
00:05:38,860 --> 00:05:37,430
for two years which was very much in the

106
00:05:41,380 --> 00:05:38,870
vein of what John Oliver and John

107
00:05:43,180 --> 00:05:41,390
Stewart have been doing and it wasn't

108
00:05:45,250 --> 00:05:43,190
particularly snarky but there was I mean

109
00:05:47,740 --> 00:05:45,260
that kind of late-night talk-show sort

110
00:05:49,930 --> 00:05:47,750
of deep dive format does bring out a bit

111
00:05:53,380 --> 00:05:49,940
of a bit of snark and a bit of sarcasm

112
00:05:57,220 --> 00:05:53,390
and cynicism and over the past year I've

113
00:05:59,380 --> 00:05:57,230

really start thinking about tone when it

114

00:06:00,960 --> 00:05:59,390

comes to skepticism about how we go

115

00:06:03,490 --> 00:06:00,970

about trying to persuade other people

116

00:06:06,460 --> 00:06:03,500

because I think that we do have a bit of

117

00:06:08,230 --> 00:06:06,470

a PR problem which is that you know we

118

00:06:10,270 --> 00:06:08,240

are often perceived as arrogant and

119

00:06:11,500 --> 00:06:10,280

know-it-alls and you know facts don't

120

00:06:12,070 --> 00:06:11,510

care about your feeling is that type of

121

00:06:13,750 --> 00:06:12,080

stuff

122

00:06:15,640 --> 00:06:13,760

and unfortunately feelings don't care

123

00:06:18,730 --> 00:06:15,650

about facts and I've been really

124

00:06:20,379 --> 00:06:18,740

inspired by other types of videos or TV

125

00:06:21,700 --> 00:06:20,389

shows that I've seen

126
00:06:23,800 --> 00:06:21,710
that have found a different way of

127
00:06:26,379 --> 00:06:23,810
talking about this The Skeptical message

128
00:06:27,760 --> 00:06:26,389
we have we have a fantastic science

129
00:06:30,580 --> 00:06:27,770
communicator on the French side here in

130
00:06:33,040 --> 00:06:30,590
Montreal called Evie Bell now you can

131
00:06:35,920 --> 00:06:33,050
see some of his stuff in English at the

132
00:06:37,629 --> 00:06:35,930
Pharma fist comm and he has a TV show

133
00:06:40,629 --> 00:06:37,639
that is the best TV show on skepticism

134
00:06:43,059 --> 00:06:40,639
that I've seen and it's really about you

135
00:06:45,070 --> 00:06:43,069
know taking the viewer on a journey to

136
00:06:47,200 --> 00:06:45,080
the conclusion as opposed to just being

137
00:06:48,670 --> 00:06:47,210
very paternalistic and saying hey this

138
00:06:51,429 --> 00:06:48,680

thing doesn't work I've looked at there

139

00:06:53,559 --> 00:06:51,439

are the studies trust me on this so I

140

00:06:55,629 --> 00:06:53,569

wanted to do a video that was more in

141

00:06:57,670 --> 00:06:55,639

that vein of you know let me show you

142

00:06:59,409 --> 00:06:57,680

why your candles don't worry let me

143

00:07:01,839 --> 00:06:59,419

we'll start together not knowing what

144

00:07:03,850 --> 00:07:01,849

the answer is and after you know 15

145

00:07:05,320 --> 00:07:03,860

minutes we'll we'll have a concrete

146

00:07:06,459 --> 00:07:05,330

evidence that this thing not only

147

00:07:08,679 --> 00:07:06,469

doesn't work but it's actually quite

148

00:07:10,420 --> 00:07:08,689

dangerous so I took one of these ear

149

00:07:12,820 --> 00:07:10,430

candles to the chemistry lab at McGill

150

00:07:14,290 --> 00:07:12,830

and we hooked it up to a pressure sensor

151
00:07:15,580 --> 00:07:14,300
because they claimed of course is that

152
00:07:18,040 --> 00:07:15,590
if when you stick this in your ear you

153
00:07:20,529 --> 00:07:18,050
light it on fire it creates a vacuum and

154
00:07:23,439 --> 00:07:20,539
this will this will grab that your wax

155
00:07:24,579 --> 00:07:23,449
inside your ear and just pull it out but

156
00:07:26,409 --> 00:07:24,589
of course you need to create a very

157
00:07:28,540 --> 00:07:26,419
powerful vacuum to do that and there's

158
00:07:30,820 --> 00:07:28,550
no detectable vacuum when you do this

159
00:07:33,490 --> 00:07:30,830
this was also tested in a paper from

160
00:07:36,399 --> 00:07:33,500
1996 and that will just play a quick

161
00:07:38,350 --> 00:07:36,409
clip from the video now so I just bought

162
00:07:40,329 --> 00:07:38,360
my ear candles here they are we're told

163
00:07:42,939 --> 00:07:40,339

ear candling can help treat sinus

164

00:07:45,010 --> 00:07:42,949

infections relieve headaches improve

165

00:07:47,260 --> 00:07:45,020

visions we definitely don't practice it

166

00:07:49,260 --> 00:07:47,270

by ourselves and we often deal with the

167

00:07:50,909 --> 00:07:49,270

complications of your candling

168

00:07:53,129 --> 00:07:50,919

and things that have happened when it

169

00:07:55,499 --> 00:07:53,139

didn't go well \$40 so there's a hound

170

00:07:57,180 --> 00:07:55,509

seller charging \$40 and recommending two

171

00:07:57,960 --> 00:07:57,190

to three sessions with their homemade

172

00:08:00,480 --> 00:07:57,970

candles

173

00:08:03,270 --> 00:08:00,490

how effective Health Canada can truly be

174

00:08:06,510 --> 00:08:03,280

at regulating this and protecting the

175

00:08:07,170 --> 00:08:06,520

public well I'm holding in my hands

176

00:08:10,469 --> 00:08:07,180

right now

177

00:08:13,830 --> 00:08:10,479

is essentially illegal in Canada and in

178

00:08:15,749 --> 00:08:13,840

the United States now I didn't commit an

179

00:08:18,089 --> 00:08:15,759

illegal act by purchasing these ear

180

00:08:18,510 --> 00:08:18,099

candles but the person who sold them to

181

00:08:22,950 --> 00:08:18,520

me

182

00:08:28,290 --> 00:08:22,960

they kind of did so how did I get my

183

00:08:29,850 --> 00:08:28,300

hands on these so so that was the idea

184

00:08:30,839 --> 00:08:29,860

behind the videos as slowly to take

185

00:08:33,089 --> 00:08:30,849

people through this thing and then also

186

00:08:34,800 --> 00:08:33,099

to make them understand why these your

187

00:08:36,570 --> 00:08:34,810

candles are actually illegal in Canada

188

00:08:40,230 --> 00:08:36,580

in the United States so you cannot

189

00:08:42,600 --> 00:08:40,240

legally sell or import them inside the

190

00:08:43,620 --> 00:08:42,610

country for medical reasons but of

191

00:08:45,780 --> 00:08:43,630

course the twist is that some people

192

00:08:48,150 --> 00:08:45,790

manage to sell them anyway because

193

00:08:49,470 --> 00:08:48,160

they're not making medical claims and

194

00:08:51,510 --> 00:08:49,480

that's and that's where Health Canada

195

00:08:53,460 --> 00:08:51,520

says well it's touchy we're not quite

196

00:08:55,800 --> 00:08:53,470

sure how to deal with this and also

197

00:08:57,360 --> 00:08:55,810

Health Canada like any big government

198

00:08:59,160 --> 00:08:57,370

organization they don't necessarily have

199

00:09:01,650 --> 00:08:59,170

the resources to go after all of the

200

00:09:04,050 --> 00:09:01,660

quacks and charlatans that are selling

201
00:09:06,510 --> 00:09:04,060
all of these kinds of products so it is

202
00:09:08,760 --> 00:09:06,520
up to us the skeptics and to the public

203
00:09:10,680 --> 00:09:08,770
to denounce these things when they pop

204
00:09:13,680 --> 00:09:10,690
up it's absolutely true and you make an

205
00:09:15,360 --> 00:09:13,690
interesting point because as one of our

206
00:09:17,610 --> 00:09:15,370
reporters heidi Robinson will tell you

207
00:09:19,440 --> 00:09:17,620
when she was dealing with raw milk the

208
00:09:22,470 --> 00:09:19,450
situation back in Australia with raw

209
00:09:24,870 --> 00:09:22,480
milk people were selling it as bath milk

210
00:09:26,310 --> 00:09:24,880
you can bathe in raw milk but really you

211
00:09:28,470 --> 00:09:26,320
know though selling it to people who

212
00:09:30,930 --> 00:09:28,480
wanted to drink the stuff but I loved

213
00:09:33,030 --> 00:09:30,940

the video because you're right you take

214

00:09:35,370 --> 00:09:33,040

people through the stages you have a

215

00:09:37,079 --> 00:09:35,380

look at it you turn up at the lab you do

216

00:09:39,540 --> 00:09:37,089

the testing and we could all see for

217

00:09:42,199 --> 00:09:39,550

ourselves but there's no detectable

218

00:09:44,760 --> 00:09:42,209

vacuum caused which is the number-one

219

00:09:46,650 --> 00:09:44,770

selling point of ear candles you know it

220

00:09:48,840 --> 00:09:46,660

creates a vacuum which draws up the wax

221

00:09:52,230 --> 00:09:48,850

and then you speak to another scientist

222

00:09:55,290 --> 00:09:52,240

who who has changed my life because I

223

00:09:58,740 --> 00:09:55,300

will now no longer use ear buds in my

224

00:10:00,900 --> 00:09:58,750

ear I see well well the ear buds are

225

00:10:03,000 --> 00:10:00,910

fine the the point that the ear nose and

226

00:10:04,440 --> 00:10:03,010

throat specialist was was saying

227

00:10:06,480 --> 00:10:04,450

was making was that you know you

228

00:10:09,690 --> 00:10:06,490

shouldn't put anything inside your ear

229

00:10:12,090 --> 00:10:09,700

canal including q-tips and and I was

230

00:10:13,530 --> 00:10:12,100

kind of surprised to hear this but it's

231

00:10:15,720 --> 00:10:13,540

true like on the back of the packaging

232

00:10:18,660 --> 00:10:15,730

of q-tips it says do not put this in

233

00:10:21,270 --> 00:10:18,670

your ear canal because you know you can

234

00:10:24,030 --> 00:10:21,280

actually push earwax further down and

235

00:10:26,070 --> 00:10:24,040

make the problem worse and I love the

236

00:10:27,720 --> 00:10:26,080

way that she explained the reason for

237

00:10:29,730 --> 00:10:27,730

earwax and it just made so much sense

238

00:10:33,570 --> 00:10:29,740

that I'm it's changed my life

239

00:10:36,090 --> 00:10:33,580

oh all right change my life but of

240

00:10:37,770 --> 00:10:36,100

course now folks I will link to the

241

00:10:39,270 --> 00:10:37,780

video in this week's show notes so you

242

00:10:40,770 --> 00:10:39,280

can see it for yourself and I encourage

243

00:10:42,870 --> 00:10:40,780

you to do so it's very well done I

244

00:10:45,240 --> 00:10:42,880

compliment you on your production values

245

00:10:47,490 --> 00:10:45,250

- thank you yeah I'm a bit of a

246

00:10:49,170 --> 00:10:47,500

production value nerd I guess I also

247

00:10:50,550 --> 00:10:49,180

have I mean this video is part of the

248

00:10:51,660 --> 00:10:50,560

podcast that I do have been doing this

249

00:10:53,820 --> 00:10:51,670

for four and a half years with a

250

00:10:56,340 --> 00:10:53,830

cardiologist dr. Christopher la Bose and

251
00:10:58,860 --> 00:10:56,350
when we started I also wanted very good

252
00:11:00,510 --> 00:10:58,870
sound quality on the on the show so you

253
00:11:03,270 --> 00:11:00,520
know we have some very good microphones

254
00:11:05,580 --> 00:11:03,280
we also do a vox pop segment on the show

255
00:11:07,200 --> 00:11:05,590
so we go out with a comedian we talk to

256
00:11:08,460 --> 00:11:07,210
people on the street we ask them what

257
00:11:09,270 --> 00:11:08,470
they think about you know whatever it is

258
00:11:11,130 --> 00:11:09,280
that we're talking about if it's

259
00:11:13,860 --> 00:11:11,140
treatment for baldness or vaping or diet

260
00:11:15,930 --> 00:11:13,870
pills or autism and we also have we work

261
00:11:18,660 --> 00:11:15,940
with musicians so they come up with a

262
00:11:21,120 --> 00:11:18,670
jingle to help our listeners remember

263
00:11:24,000 --> 00:11:21,130

the take home message for for the

264

00:11:25,740 --> 00:11:24,010

episode so yeah production values is

265

00:11:28,170 --> 00:11:25,750

important to me because you know we ask

266

00:11:29,700 --> 00:11:28,180

skeptics we often complain that the

267

00:11:31,290 --> 00:11:29,710

other side you know the pseudo

268

00:11:33,450 --> 00:11:31,300

scientists and the alternative healers

269

00:11:34,860 --> 00:11:33,460

they have very good production values

270

00:11:36,660 --> 00:11:34,870

they have these you know yeah these do

271

00:11:40,590 --> 00:11:36,670

you see these docu-series now on line

272

00:11:41,970 --> 00:11:40,600

these nine hour long documentaries on 5g

273

00:11:43,890 --> 00:11:41,980

and all that all those kinds of things

274

00:11:46,560 --> 00:11:43,900

and they're very well produced because

275

00:11:48,690 --> 00:11:46,570

again you know you can buy prosumer gear

276

00:11:50,250 --> 00:11:48,700

and and and get these very good

277

00:11:52,470 --> 00:11:50,260

production values do some color grading

278

00:11:54,060 --> 00:11:52,480

all that kind of stuff but skeptics you

279

00:11:56,610 --> 00:11:54,070

know I think that we've been lagging

280

00:11:57,990 --> 00:11:56,620

behind in that department our stuff

281

00:12:00,510 --> 00:11:58,000

tends to be a little bit more on the

282

00:12:02,700 --> 00:12:00,520

creaky side so I've been trying to sort

283

00:12:03,180 --> 00:12:02,710

of up the game as far as far as I'm

284

00:12:04,830 --> 00:12:03,190

concerned

285

00:12:07,260 --> 00:12:04,840

ya know it looks good it looks good now

286

00:12:08,670 --> 00:12:07,270

how does that tie in with body of

287

00:12:11,040 --> 00:12:08,680

evidence is that the same thing we're

288

00:12:13,800 --> 00:12:11,050

talking about yes so the body of

289

00:12:16,050 --> 00:12:13,810

evidence is a podcast that was it was

290

00:12:16,680 --> 00:12:16,060

pitched to me by but by this this local

291

00:12:19,530 --> 00:12:16,690

medical doctor

292

00:12:21,840 --> 00:12:19,540

that I met about five years ago we were

293

00:12:23,550 --> 00:12:21,850

both doing science communication on the

294

00:12:24,960 --> 00:12:23,560

side I had a different podcast at the

295

00:12:26,580 --> 00:12:24,970

time I interviewed him for it

296

00:12:29,640 --> 00:12:26,590

and he said hey I've always you know

297

00:12:31,890 --> 00:12:29,650

been meaning to do a podcast on medical

298

00:12:34,080 --> 00:12:31,900

topics on health topics something you

299

00:12:35,640 --> 00:12:34,090

know kind of funny and but also very

300

00:12:38,640 --> 00:12:35,650

evidence-based cuz again there's a lot

301
00:12:40,980 --> 00:12:38,650
of noise and and nonsense on the on the

302
00:12:44,010 --> 00:12:40,990
health front and so we ended up creating

303
00:12:45,480 --> 00:12:44,020
this this monthly podcast that started

304
00:12:48,090 --> 00:12:45,490
again if about about four and a half

305
00:12:50,130 --> 00:12:48,100
years ago on all of these these

306
00:12:52,920 --> 00:12:50,140
different topics you know vitamins and

307
00:12:56,400 --> 00:12:52,930
and and vaping and dieting and all those

308
00:12:58,350 --> 00:12:56,410
sorts of topics and to try and you know

309
00:13:00,360 --> 00:12:58,360
show people the best available at what

310
00:13:02,490 --> 00:13:00,370
is the body of evidence on a particular

311
00:13:05,100 --> 00:13:02,500
topic actually a show to teach them

312
00:13:07,200 --> 00:13:05,110
basic notions on epidemiology and on

313
00:13:09,750 --> 00:13:07,210

scientific methodology like why do we

314

00:13:11,190 --> 00:13:09,760

trust this particular study but not that

315

00:13:13,800 --> 00:13:11,200

study what was the problem with that

316

00:13:15,870 --> 00:13:13,810

study and then the second half of the

317

00:13:17,010 --> 00:13:15,880

show is more topical so we deal with you

318

00:13:18,990 --> 00:13:17,020

know what's been in the news in the past

319

00:13:21,230 --> 00:13:19,000

month often you know what did the media

320

00:13:23,730 --> 00:13:21,240

get wrong about a new study on health

321

00:13:25,170 --> 00:13:23,740

why did they think we're gonna get a

322

00:13:26,520 --> 00:13:25,180

cure for Parkinson's disease in five to

323

00:13:28,560 --> 00:13:26,530

ten years but that's not what the study

324

00:13:30,840 --> 00:13:28,570

actually shows and we tried to do it

325

00:13:32,670 --> 00:13:30,850

with a lot of humor we have an opening

326

00:13:34,770 --> 00:13:32,680

skit at the beginning that is that's

327

00:13:37,590 --> 00:13:34,780

quite quite comedic and as I mentioned

328

00:13:39,180 --> 00:13:37,600

we work with with comedians and and

329

00:13:41,910 --> 00:13:39,190

musicians and I think that's something

330

00:13:44,610 --> 00:13:41,920

that again skeptics could do more of I

331

00:13:46,770 --> 00:13:44,620

mean it's been very very valuable to us

332

00:13:48,360 --> 00:13:46,780

to have people who are also skeptically

333

00:13:50,400 --> 00:13:48,370

minded but who don't have a background

334

00:13:52,200 --> 00:13:50,410

in science or medicine they want to

335

00:13:54,690 --> 00:13:52,210

contribute to the skeptical movement but

336

00:13:56,490 --> 00:13:54,700

they can't you know look at the evidence

337

00:13:58,710 --> 00:13:56,500

and and come up with with some kind of

338

00:14:00,870 --> 00:13:58,720

conclusion but they can sing they can

339

00:14:05,220 --> 00:14:00,880

play the guitar that can design websites

340

00:14:06,600 --> 00:14:05,230

they can be funny all of those traits

341

00:14:09,360 --> 00:14:06,610

and these these capabilities they can

342

00:14:11,670 --> 00:14:09,370

really help make our product even more

343

00:14:14,190 --> 00:14:11,680

fun and entertaining and palatable now

344

00:14:15,720 --> 00:14:14,200

just before we came on here to have a

345

00:14:18,300 --> 00:14:15,730

little chat you were telling me about

346

00:14:21,060 --> 00:14:18,310

some recent news I think it's recent

347

00:14:24,000 --> 00:14:21,070

news about homeopathy in pharmacies in

348

00:14:26,280 --> 00:14:24,010

Canada what's the story there yes I'm

349

00:14:27,660 --> 00:14:26,290

very happy about this so as your

350

00:14:29,700 --> 00:14:27,670

listeners may know the the Center for

351

00:14:30,150 --> 00:14:29,710

inquiry in the United States is suing

352

00:14:32,369 --> 00:14:30,160

Walmart

353

00:14:33,960 --> 00:14:32,379

because they're selling homeopathy and

354

00:14:35,759 --> 00:14:33,970

they're making it look like this is a

355

00:14:37,110 --> 00:14:35,769

genuine treatment and what they

356

00:14:38,819 --> 00:14:37,120

basically want is have some sort of

357

00:14:40,110 --> 00:14:38,829

signage in the store saying you know

358

00:14:42,629 --> 00:14:40,120

there's no good evidence that this thing

359

00:14:44,040 --> 00:14:42,639

works I've heard from some skeptics

360

00:14:45,780 --> 00:14:44,050

saying while this could never never

361

00:14:47,819 --> 00:14:45,790

possibly happen because you know they

362

00:14:49,710 --> 00:14:47,829

would lose so much business but it has

363

00:14:52,139 --> 00:14:49,720

happened here in Quebec it is feasible

364

00:14:55,769 --> 00:14:52,149

and we didn't even need to sue anybody

365

00:14:58,019 --> 00:14:55,779

and we kind of got a lucky basically we

366

00:15:00,569 --> 00:14:58,029

now have signs and pharmacies in front

367

00:15:02,309 --> 00:15:00,579

of homeopathic products that are still

368

00:15:03,660 --> 00:15:02,319

being sold there unfortunately but but

369

00:15:05,309 --> 00:15:03,670

we do have signs that say that there's

370

00:15:07,050 --> 00:15:05,319

no good scientific evidence behind them

371

00:15:09,780 --> 00:15:07,060

please talk to your pharmacist if you

372

00:15:12,300 --> 00:15:09,790

have any questions and we got there

373

00:15:13,410 --> 00:15:12,310

because again what this whole thing

374

00:15:15,269 --> 00:15:13,420

taught me is that you know you really

375

00:15:18,660 --> 00:15:15,279

need to look at the system that is

376

00:15:21,030 --> 00:15:18,670

enabling these things to to happen to

377

00:15:23,519 --> 00:15:21,040

exist and because there might be a weak

378

00:15:25,949 --> 00:15:23,529

point in the system a cog that you can

379

00:15:28,889 --> 00:15:25,959

work on and this is what inadvertently

380

00:15:30,689 --> 00:15:28,899

happen in this case so I wanted to get

381

00:15:31,980 --> 00:15:30,699

more news coverage on homeopathy but

382

00:15:34,590 --> 00:15:31,990

it's very difficult because there's

383

00:15:36,509 --> 00:15:34,600

nothing new about it so how do you get

384

00:15:38,460 --> 00:15:36,519

the attention of the media well you you

385

00:15:40,889 --> 00:15:38,470

create news you have to generate new

386

00:15:42,660 --> 00:15:40,899

data and so I called up a hundred and

387

00:15:44,730 --> 00:15:42,670

fifty pharmacies all over the island of

388

00:15:46,949 --> 00:15:44,740

Montreal to ask them if they had a

389

00:15:49,860 --> 00:15:46,959

specific product a homeopathic product

390

00:15:52,410 --> 00:15:49,870

against the flu and two-thirds of them

391

00:15:53,699 --> 00:15:52,420

carried the product and so that's a new

392

00:15:56,670 --> 00:15:53,709

data point that we didn't have before

393

00:15:58,620 --> 00:15:56,680

that generated a lot of publicity this

394

00:16:00,509 --> 00:15:58,630

wasn't in the middle of flu season and

395

00:16:02,280 --> 00:16:00,519

one journalist wanted to know if

396

00:16:05,150 --> 00:16:02,290

pharmacists would actually endorse the

397

00:16:07,470 --> 00:16:05,160

product and so he did some really good

398

00:16:09,960 --> 00:16:07,480

back-to-basics gumshoe journalistic work

399

00:16:13,139 --> 00:16:09,970

he went to 20 pharmacies in Montreal he

400

00:16:15,389 --> 00:16:13,149

spoke to the staff there and a third of

401
00:16:17,400 --> 00:16:15,399
them said no don't buy this a third said

402
00:16:19,259 --> 00:16:17,410
well I'm not sure you might as well try

403
00:16:21,660 --> 00:16:19,269
and a third said yeah this stuff will

404
00:16:23,610 --> 00:16:21,670
definitely work and that was front page

405
00:16:27,499 --> 00:16:23,620
news for one of the biggest French

406
00:16:30,389 --> 00:16:27,509
language newspapers in Quebec and he

407
00:16:32,009 --> 00:16:30,399
asked for comments from the order of

408
00:16:33,480 --> 00:16:32,019
pharmacists of Quebec and the order said

409
00:16:34,980 --> 00:16:33,490
well we're very surprised by this we're

410
00:16:37,049 --> 00:16:34,990
gonna remind our pharmacists you know

411
00:16:38,429 --> 00:16:37,059
that if they do recommend these products

412
00:16:39,900 --> 00:16:38,439
that they're gonna find themselves in a

413
00:16:42,540 --> 00:16:39,910

bad place with regards to professional

414

00:16:43,920 --> 00:16:42,550

ethics and he also got a comments from

415

00:16:46,170 --> 00:16:43,930

the ABC peak you know the

416

00:16:49,380 --> 00:16:46,180

ABC PQ is a local association of

417

00:16:50,850 --> 00:16:49,390

pharmacy chains in Quebec and that

418

00:16:51,930 --> 00:16:50,860

particular association said while you

419

00:16:55,079 --> 00:16:51,940

know what we're gonna do we're gonna

420

00:16:56,850 --> 00:16:55,089

print out 6000 signs they will be

421

00:16:58,740 --> 00:16:56,860

optional you know we can't force anybody

422

00:17:00,300 --> 00:16:58,750

to put them up in their store but we're

423

00:17:02,940 --> 00:17:00,310

gonna mail them to every pharmacy in

424

00:17:04,410 --> 00:17:02,950

Quebec and they can put them up next to

425

00:17:06,449 --> 00:17:04,420

the homeopathic products that they're

426
00:17:08,520 --> 00:17:06,459
selling and we're also going to complain

427
00:17:10,350 --> 00:17:08,530
to Health Canada because ultimately

428
00:17:13,620 --> 00:17:10,360
Health Canada is approving these

429
00:17:16,620 --> 00:17:13,630
products and so a few months go by

430
00:17:18,329 --> 00:17:16,630
nothing happened and then a friend of

431
00:17:19,890 --> 00:17:18,339
mine texted me one day and he said

432
00:17:22,140 --> 00:17:19,900
here's what I found at my local

433
00:17:23,819 --> 00:17:22,150
drugstore what is this and the picture

434
00:17:26,220 --> 00:17:23,829
sure enough was of a sighing there in

435
00:17:28,140 --> 00:17:26,230
front of the homeopathic products and so

436
00:17:30,000 --> 00:17:28,150
we got confirmation the ABC PQ had

437
00:17:31,860 --> 00:17:30,010
printed those signs they were up there's

438
00:17:33,600 --> 00:17:31,870

now been a second printing they're

439

00:17:36,810 --> 00:17:33,610

bigger they're green they're very hard

440

00:17:38,760 --> 00:17:36,820

to miss they're optional but you know if

441

00:17:39,960 --> 00:17:38,770

because the thing about homeopathy is

442

00:17:42,960 --> 00:17:39,970

that a lot of people who buy don't

443

00:17:44,790 --> 00:17:42,970

realize what it is yes yes and so they

444

00:17:46,049 --> 00:17:44,800

think that it's just natural stuff and

445

00:17:48,030 --> 00:17:46,059

that it must work because it's being

446

00:17:50,070 --> 00:17:48,040

sold in a pharmacy well now there's a

447

00:17:51,900 --> 00:17:50,080

sign that is hard to ignore that says

448

00:17:53,160 --> 00:17:51,910

actually there's no good evidence that

449

00:17:54,930 --> 00:17:53,170

this thing is going to work please talk

450

00:17:58,380 --> 00:17:54,940

to your pharmacist and it creates a bit

451

00:18:00,780 --> 00:17:58,390

of a a bit of a weird situation where

452

00:18:02,070 --> 00:18:00,790

you go well why are you selling this if

453

00:18:03,960 --> 00:18:02,080

you're telling me that it doesn't work

454

00:18:05,850 --> 00:18:03,970

and that's good because it highlights

455

00:18:07,440 --> 00:18:05,860

the hypocrisy in the system it

456

00:18:09,840 --> 00:18:07,450

highlights the fact that pharmacies are

457

00:18:11,280 --> 00:18:09,850

after all businesses and they're gonna

458

00:18:13,410 --> 00:18:11,290

they want to make money I mean they're

459

00:18:15,000 --> 00:18:13,420

selling us chips and chocolate and soda

460

00:18:18,240 --> 00:18:15,010

and we know that these things are not

461

00:18:19,740 --> 00:18:18,250

not great for health but at least it

462

00:18:21,630 --> 00:18:19,750

highlights this hypocrisy and hopefully

463

00:18:22,919 --> 00:18:21,640

some people will be better informed next

464

00:18:25,260 --> 00:18:22,929

time they go in and shop for these

465

00:18:26,820 --> 00:18:25,270

things I think if I were you I you may

466

00:18:31,680 --> 00:18:26,830

have done this already you'd get one of

467

00:18:34,860 --> 00:18:31,690

these signs and have it framed yeah put

468

00:18:36,990 --> 00:18:34,870

this up on my wall absolutely

469

00:18:39,540 --> 00:18:37,000

now folks yes I encourage you to have a

470

00:18:41,340 --> 00:18:39,550

look at all the work that Jonathan's

471

00:18:43,020 --> 00:18:41,350

been doing this and really interesting

472

00:18:45,110 --> 00:18:43,030

vlogs up there on the YouTube channel

473

00:18:47,910 --> 00:18:45,120

things about regression to the mean

474

00:18:50,700 --> 00:18:47,920

anecdotes drugs and the media lots of

475

00:18:52,560 --> 00:18:50,710

things to look at and again start off

476

00:18:55,770 --> 00:18:52,570

start off with the bank start off with

477

00:18:56,530 --> 00:18:55,780

the fascinating video about ear candling

478

00:18:58,330 --> 00:18:56,540

and of course

479

00:18:59,860 --> 00:18:58,340

direct link to that in the show notes

480

00:19:03,780 --> 00:18:59,870

well Jonathan what a pleasure it has

481

00:19:07,150 --> 00:19:03,790

been to meet you via the strange

482

00:19:07,750 --> 00:19:07,160

interwebs and interview you and what's

483

00:19:12,159 --> 00:19:07,760

next

484

00:19:15,100 --> 00:19:12,169

on the horizon well I continue to do

485

00:19:17,980 --> 00:19:15,110

work for the McGill OSS so that's at

486

00:19:19,419 --> 00:19:17,990

McGill dot C slash OSS the podcast the

487

00:19:21,130 --> 00:19:19,429

body of evidence is still going on if

488

00:19:24,850 --> 00:19:21,140

people want to find it on their local

489

00:19:26,770 --> 00:19:24,860

you know podcasting app I give talks

490

00:19:29,740 --> 00:19:26,780

locally in Montreal I'm in the media

491

00:19:33,090 --> 00:19:29,750

quite a bit and also in October I will

492

00:19:36,159 --> 00:19:33,100

be speaking at saikhan so that's a big

493

00:19:38,680 --> 00:19:36,169

skeptical conference in Las Vegas that

494

00:19:42,039 --> 00:19:38,690

happens every year I was there two years

495

00:19:44,620 --> 00:19:42,049

ago as the meek attendee I interviewed a

496

00:19:46,150 --> 00:19:44,630

few people there for the the McGill OSS

497

00:19:48,100 --> 00:19:46,160

YouTube channel and now I've been

498

00:19:50,890 --> 00:19:48,110

invited as a speaker so I'll be talking

499

00:19:52,030 --> 00:19:50,900

on stage a little bit about what I just

500

00:19:54,310 --> 00:19:52,040

talked about today about the homeopathy

501
00:19:56,230 --> 00:19:54,320
thing about all the the really cool

502
00:20:00,100 --> 00:19:56,240
stuff has been happening for scepticism

503
00:20:03,460 --> 00:20:00,110
in Canada and also about how to join up

504
00:20:05,070 --> 00:20:03,470
how to help sort of defend science for

505
00:20:07,810 --> 00:20:05,080
the public because I think we need more

506
00:20:10,930 --> 00:20:07,820
more skeptics to go from being passive

507
00:20:12,130 --> 00:20:10,940
consumers to being activists and there

508
00:20:14,230 --> 00:20:12,140
are a lot of different ways of going

509
00:20:16,840 --> 00:20:14,240
about about this yes you're absolutely

510
00:20:19,690 --> 00:20:16,850
right and it's good to see that someone

511
00:20:21,340 --> 00:20:19,700
like you putting to good use lots of

512
00:20:23,260 --> 00:20:21,350
different skills lots of different skill

513
00:20:24,970 --> 00:20:23,270

sets well Jonathan again I'll link to

514

00:20:29,320 --> 00:20:24,980

everything in the show notes but for now

515

00:20:40,420 --> 00:20:29,330

thank you very much thank you Richard

516

00:20:48,650 --> 00:20:45,440

saikhan 2019 people are finally starting

517

00:20:49,850 --> 00:20:48,660

to wake up anti-vaxxers denounced as a

518

00:20:52,640 --> 00:20:49,860

danger to the public

519

00:20:55,670 --> 00:20:52,650

climate change deniers exposed as

520

00:20:58,220 --> 00:20:55,680

ideological zealots celebrity psychics

521

00:21:01,040 --> 00:20:58,230

have been caught red-handed using

522

00:21:04,480 --> 00:21:01,050

trickery homeopathy debunked this fake

523

00:21:07,490 --> 00:21:04,490

medicine flat-earthers seriously

524

00:21:09,200 --> 00:21:07,500

skeptics must seize this moment now is

525

00:21:11,120 --> 00:21:09,210

the time for the brightest minds and

526
00:21:12,980 --> 00:21:11,130
science and reason to come together to

527
00:21:15,470 --> 00:21:12,990
turn the tide against pseudoscience

528
00:21:19,280 --> 00:21:15,480
conspiracy theories and alternative

529
00:21:21,650 --> 00:21:19,290
facts and naturally we should do it in

530
00:21:24,620 --> 00:21:21,660
Vegas it's more fun that way

531
00:21:27,500 --> 00:21:24,630
now is the time for psych on 2019

532
00:21:30,950 --> 00:21:27,510
October the 16th to the 20th at the

533
00:21:33,040 --> 00:21:30,960
Flamingo resort in Las Vegas the

534
00:21:35,720 --> 00:21:33,050
incredible lineup of speakers includes

535
00:21:38,420 --> 00:21:35,730
actor John de Lancie of Star Trek and

536
00:21:41,270 --> 00:21:38,430
Breaking Bad Julia Sweeney of SNL and

537
00:21:43,880 --> 00:21:41,280
letting go of God string theory pioneer

538
00:21:46,340 --> 00:21:43,890

Brian Greene evolutionary biologist

539

00:21:48,320 --> 00:21:46,350

Richard Dawkins ex naturopath Brittany

540

00:21:50,900 --> 00:21:48,330

Hermes and many more including

541

00:21:55,610 --> 00:21:50,910

entertainment by illusionist Banacek and

542

00:22:01,340 --> 00:21:55,620

comedian Liane Lord for more information

543

00:22:16,290 --> 00:22:12,890

[Music]

544

00:22:19,320 --> 00:22:16,300

now sometimes it's hard to believe some

545

00:22:23,220 --> 00:22:19,330

of the news information the skeptic zone

546

00:22:25,710 --> 00:22:23,230

brings you here's a press release from

547

00:22:31,380 --> 00:22:25,720

New South Wales health data the 5th of

548

00:22:38,550 --> 00:22:31,390

September 2019 measles alert for

549

00:22:40,740 --> 00:22:38,560

travelers to New Zealand New South Wales

550

00:22:43,140 --> 00:22:40,750

health is urging New South Wales

551
00:22:45,600 --> 00:22:43,150
residents to be fully vaccinated against

552
00:22:50,400 --> 00:22:45,610
measles before traveling to New Zealand

553
00:22:54,210 --> 00:22:50,410
where almost 1000 cases have been

554
00:22:56,700 --> 00:22:54,220
reported this year so far in 2019 for

555
00:22:59,060 --> 00:22:56,710
measles cases have been introduced to

556
00:23:02,340 --> 00:22:59,070
New South Wales from New Zealand

557
00:23:06,060 --> 00:23:02,350
travelers and that number could rapidly

558
00:23:08,970 --> 00:23:06,070
increase due to a recent surge of cases

559
00:23:11,820 --> 00:23:08,980
in New Zealand since early August this

560
00:23:13,800 --> 00:23:11,830
highly contagious disease presents a

561
00:23:16,500 --> 00:23:13,810
risk not only to travellers and their

562
00:23:19,380 --> 00:23:16,510
families but also to the wider New South

563
00:23:21,870 --> 00:23:19,390

Wales community if people return from

564

00:23:25,230 --> 00:23:21,880

their travels infectious with measles

565

00:23:27,450 --> 00:23:25,240

dr. Shepherd said dr. Shepherd said

566

00:23:29,460 --> 00:23:27,460

anyone traveling to New Zealand should

567

00:23:33,060 --> 00:23:29,470

ensure they are fully vaccinated against

568

00:23:35,310 --> 00:23:33,070

measles before departure infants aged 6

569

00:23:37,800 --> 00:23:35,320

months or older should also receive a

570

00:23:40,410 --> 00:23:37,810

dose of measles vaccine before leaving

571

00:23:42,210 --> 00:23:40,420

Australia in the past two weeks people

572

00:23:45,450 --> 00:23:42,220

travelling between New Zealand and New

573

00:23:47,990 --> 00:23:45,460

South Wales may have exposed others to

574

00:23:51,150 --> 00:23:48,000

the infection in the following locations

575

00:23:54,120 --> 00:23:51,160

Friday the 23rd of August a New Zealand

576
00:23:56,970 --> 00:23:54,130
flight in z71 1 from Auckland to Sydney

577
00:24:00,030 --> 00:23:56,980
International Airport t1 arriving around

578
00:24:03,270 --> 00:24:00,040
9:00 10:00 p.m. Saturday 25th of August

579
00:24:05,460 --> 00:24:03,280
a New Zealand flight in z10 8 from

580
00:24:09,390 --> 00:24:05,470
Sydney International Airport t1 to

581
00:24:11,370 --> 00:24:09,400
Auckland departing at 7:50 p.m. Friday

582
00:24:14,100 --> 00:24:11,380
the 30th of August to Wednesday the 3rd

583
00:24:17,370 --> 00:24:14,110
of September various locations in the

584
00:24:19,740 --> 00:24:17,380
iron Bay area measles introduced by

585
00:24:22,710 --> 00:24:19,750
travelers has resulted in secondary

586
00:24:26,010 --> 00:24:22,720
cases in recent days in Penrith and

587
00:24:28,830 --> 00:24:26,020
hazel brook Wallsend Glen's Dale Katara

588
00:24:31,140 --> 00:24:28,840

and other locations in the Hunter New

589

00:24:34,230 --> 00:24:31,150

South Wales health director communicable

590

00:24:36,600 --> 00:24:34,240

diseases dr. Vickie Shepherd said people

591

00:24:39,390 --> 00:24:36,610

who have been in the same known

592

00:24:42,510 --> 00:24:39,400

locations as those with measles should

593

00:24:44,760 --> 00:24:42,520

be alert to symptoms it can take up to

594

00:24:46,830 --> 00:24:44,770

18 days for symptoms to appear following

595

00:24:48,990 --> 00:24:46,840

exposure to a person with measles

596

00:24:51,299 --> 00:24:49,000

anyone who develops symptoms should

597

00:24:53,669 --> 00:24:51,309

arrange to see their GP and call ahead

598

00:24:56,190 --> 00:24:53,679

to ensure they don't wait alongside

599

00:24:59,240 --> 00:24:56,200

other patients dr. Shepherd said

600

00:25:02,700 --> 00:24:59,250

symptoms to watch out for include fever

601
00:25:05,789 --> 00:25:02,710
sore eyes and a cough followed three or

602
00:25:08,430 --> 00:25:05,799
four days later by a red blotchy rash

603
00:25:10,770 --> 00:25:08,440
that spreads from the head to the rest

604
00:25:12,690 --> 00:25:10,780
of the body local public health units

605
00:25:15,030 --> 00:25:12,700
are following up with people who may

606
00:25:17,549 --> 00:25:15,040
have been in contact with the for

607
00:25:19,919 --> 00:25:17,559
measles cases and are issuing media

608
00:25:22,289 --> 00:25:19,929
releases about specific venues where

609
00:25:24,990 --> 00:25:22,299
community members may have been exposed

610
00:25:26,520 --> 00:25:25,000
full details of the exposure sites and

611
00:25:29,480 --> 00:25:26,530
times have been published on the New

612
00:25:34,370 --> 00:25:29,490
South Wales Health website health dot

613
00:25:37,409 --> 00:25:34,380

NSW dot gov to measles is a vaccine

614

00:25:39,330 --> 00:25:37,419

preventable disease that is spread

615

00:25:41,640 --> 00:25:39,340

through the air when someone who is

616

00:25:44,130 --> 00:25:41,650

infectious with the disease coughs or

617

00:25:46,890 --> 00:25:44,140

sneezes measles is one of the most

618

00:25:49,350 --> 00:25:46,900

contagious diseases for humans but two

619

00:25:52,260 --> 00:25:49,360

doses of measles mumps rubella vaccine

620

00:25:54,720 --> 00:25:52,270

provide lifelong protection against

621

00:25:58,110 --> 00:25:54,730

measles in 99 out of a hundred

622

00:26:00,030 --> 00:25:58,120

vaccinated people dr. Shephard said New

623

00:26:03,240 --> 00:26:00,040

South Wales health makes the measles

624

00:26:07,049 --> 00:26:03,250

vaccine available free for infants from

625

00:26:10,710 --> 00:26:07,059

six months of age and anyone born during

626

00:26:13,350 --> 00:26:10,720

or after 1966 who doesn't have to

627

00:26:15,000 --> 00:26:13,360

documented doses of measles vaccine if

628

00:26:17,610 --> 00:26:15,010

you're unsure whether you've been

629

00:26:20,520 --> 00:26:17,620

vaccinated against measles in the past

630

00:26:23,190 --> 00:26:20,530

it's safe to have a dose the New South

631

00:26:26,909 --> 00:26:23,200

Wales government is investing 130

632

00:26:27,510 --> 00:26:26,919

million dollars in the 2019 2020

633

00:26:30,270 --> 00:26:27,520

immunes

634

00:26:33,570 --> 00:26:30,280

program budget including Commonwealth

635

00:26:43,680 --> 00:26:33,580

and state vaccines for more information

636

00:26:46,650 --> 00:26:43,690

visit Health NSW government for

637

00:26:50,040 --> 00:26:46,660

travelers to New Zealand issue on the

638

00:26:52,830 --> 00:26:50,050

5th of September 2019 and I'll link to

639

00:27:00,270 --> 00:26:52,840

that in the show notes so you can read

640

00:27:02,580 --> 00:27:00,280

that release for yourself and it's

641

00:27:06,960 --> 00:27:02,590

largely thanks to the untiring efforts

642

00:27:08,880 --> 00:27:06,970

of that anti vaccination crowd that have

643

00:27:11,490 --> 00:27:08,890

convinced thousands of parents around

644

00:27:15,900 --> 00:27:11,500

the world not to vaccinate their

645

00:27:19,530 --> 00:27:15,910

children and this I think is largely due

646

00:27:22,710 --> 00:27:19,540

to conspiracy theories and as my friend

647

00:27:39,780 --> 00:27:22,720

Tim Farley might say well what's the

648

00:27:45,330 --> 00:27:39,790

harm the Surf Coast summer/spring

649

00:27:51,370 --> 00:27:48,370

these surf coast summer spring skeptic

650

00:27:53,980 --> 00:27:51,380

amp SCS SC is Australia's

651
00:27:58,630 --> 00:27:53,990
longest-running skeptic amp this year we

652
00:28:01,300 --> 00:27:58,640
are celebrating our seventh year if you

653
00:28:02,920 --> 00:28:01,310
want to share something on a skeptically

654
00:28:05,020 --> 00:28:02,930
related topic in which you are

655
00:28:07,450 --> 00:28:05,030
interested highlight some practices that

656
00:28:08,830 --> 00:28:07,460
you see is dubious and need to be

657
00:28:11,590 --> 00:28:08,840
brought to the attention of the

658
00:28:14,080 --> 00:28:11,600
skeptical community please offer to

659
00:28:16,360 --> 00:28:14,090
share your thoughts this is a sharing

660
00:28:18,880 --> 00:28:16,370
event where many contributors can

661
00:28:21,640 --> 00:28:18,890
combine to make a great day the event is

662
00:28:23,470 --> 00:28:21,650
free however please provide your own

663
00:28:24,790 --> 00:28:23,480

lunch but don't worry there are plenty

664

00:28:27,910 --> 00:28:24,800

of options

665

00:28:30,730 --> 00:28:27,920

locally tea coffee and biscuits will be

666

00:28:34,450 --> 00:28:30,740

provided all day that's Saturday the

667

00:28:36,210 --> 00:28:34,460

14th of September 2019 10:30 a.m. to

668

00:28:39,400 --> 00:28:36,220

4:00 p.m.

669

00:28:43,060 --> 00:28:39,410

the location is Aries in that community

670

00:28:46,120 --> 00:28:43,070

hall 6 Great Ocean Road ariey's inlet

671

00:28:48,730 --> 00:28:46,130

Victoria office to present should be

672

00:28:54,270 --> 00:28:48,740

made to the skeptic groups of Victoria

673

00:28:58,510 --> 00:28:54,280

email address at SG of v IC at

674

00:29:02,700 --> 00:28:58,520

gmail.com and to register just follow

675

00:29:08,530 --> 00:29:05,890

the Surf Coast summer spring skeptic

676
00:29:21,390 --> 00:29:08,540
camp Australia's longest-running skeptic

677
00:29:25,590 --> 00:29:21,400
Hammond here's Maynard spooky action at

678
00:29:29,890 --> 00:29:28,420
hi yes it's Sydney people are wandering

679
00:29:31,240 --> 00:29:29,900
around the street they're running around

680
00:29:32,950 --> 00:29:31,250
they're thinking about taking legal

681
00:29:33,820 --> 00:29:32,960
action if the lights don't change fast

682
00:29:34,990 --> 00:29:33,830
enough because they've got to get home

683
00:29:36,640 --> 00:29:35,000
because everyone's rushing and bashing

684
00:29:39,490 --> 00:29:36,650
to pay too much rent here in Sydney as

685
00:29:40,870 --> 00:29:39,500
it is Sydney's skeptics in the pub I've

686
00:29:44,160 --> 00:29:40,880
been tasked with the question of asking

687
00:29:46,150 --> 00:29:44,170
everybody what does the moment that you

688
00:29:48,250 --> 00:29:46,160

two turned your Skippy what was the

689

00:29:50,500 --> 00:29:48,260

moment was an event and the incident a

690

00:29:52,300 --> 00:29:50,510

happening that made you go that's it I'm

691

00:29:55,270 --> 00:29:52,310

so down with critical thinking now

692

00:29:57,940 --> 00:29:55,280

famously Lawrence Luna in his show talks

693

00:29:59,290 --> 00:29:57,950

about his experiences with Santa and

694

00:30:02,110 --> 00:29:59,300

trying to find out a bit more about

695

00:30:05,380 --> 00:30:02,120

Santa that was his moment other people

696

00:30:06,820 --> 00:30:05,390

will say that there are moments the look

697

00:30:08,590 --> 00:30:06,830

it's not so much critical it's mainly

698

00:30:10,090 --> 00:30:08,600

for thinking I just haven't quite gotten

699

00:30:13,990 --> 00:30:10,100

to the thinking thing yet but I'm sure

700

00:30:15,670 --> 00:30:14,000

one day I will get there I'm here with a

701
00:30:17,260 --> 00:30:15,680
few people that a dirty stop-out is here

702
00:30:18,910 --> 00:30:17,270
they're here for the very first time

703
00:30:20,170 --> 00:30:18,920
here at skeptics in the pub I know it's

704
00:30:23,440 --> 00:30:20,180
only early in the evening but what's

705
00:30:25,720 --> 00:30:23,450
your name sir James and Joseph okay now

706
00:30:27,220 --> 00:30:25,730
what what got you along here what I'll

707
00:30:29,140 --> 00:30:27,230
come along and do the sceptics thing

708
00:30:31,600 --> 00:30:29,150
tonight why what why it's not your first

709
00:30:35,290 --> 00:30:31,610
time I just want to see what this is

710
00:30:37,630 --> 00:30:35,300
about and try to learn say what's new

711
00:30:39,850 --> 00:30:37,640
and what I'm missing everyone sort of

712
00:30:41,500 --> 00:30:39,860
has their pet topic and scepticism I

713
00:30:43,630 --> 00:30:41,510

find where some for some people it's

714

00:30:45,430 --> 00:30:43,640

homeopathy for some people it can be

715

00:30:46,540 --> 00:30:45,440

anything close it really bugs them is

716

00:30:49,140 --> 00:30:46,550

there anything that bugs you that you

717

00:30:53,830 --> 00:30:49,150

went all come on people think critically

718

00:30:56,530 --> 00:30:53,840

not really I think all decision or or

719

00:30:59,320 --> 00:30:56,540

ideas have these floor and merits and

720

00:31:02,950 --> 00:30:59,330

I'm interested to know what are the

721

00:31:05,020 --> 00:31:02,960

merits and what are the flaws I use

722

00:31:06,550 --> 00:31:05,030

even-handed as said oh you're your guy

723

00:31:07,780 --> 00:31:06,560

in the office it yells out astrology

724

00:31:10,510 --> 00:31:07,790

astrology is bullcrap

725

00:31:13,240 --> 00:31:10,520

I'd be the opposite of the speech for me

726

00:31:14,830 --> 00:31:13,250

I think a lot of it I work in health for

727

00:31:16,630 --> 00:31:14,840

me at the moment a lot of it would be

728

00:31:18,540 --> 00:31:16,640

the immunizations at the moment New

729

00:31:21,850 --> 00:31:18,550

Zealand's got a big measles outbreak

730

00:31:23,380 --> 00:31:21,860

we've got Muppets who are refusing to

731

00:31:26,070 --> 00:31:23,390

vaccinate the kids so then they end up

732

00:31:29,130 --> 00:31:26,080

with deformities or did

733

00:31:32,580 --> 00:31:29,140

because people are ultimately inflicting

734

00:31:34,170 --> 00:31:32,590

this the biased ideas on their children

735

00:31:36,570 --> 00:31:34,180

yeah the the kids don't really get an

736

00:31:40,590 --> 00:31:36,580

informed choice on and their parents

737

00:31:42,450 --> 00:31:40,600

we don't have an informed idea on but

738

00:31:44,400 --> 00:31:42,460

you know it got me fired up saying

739

00:31:46,710 --> 00:31:44,410

saying have you ever gone one-to-one

740

00:31:50,010 --> 00:31:46,720

arguing the point with an auntie vex

741

00:31:50,910 --> 00:31:50,020

person usually I wouldn't tend to go one

742

00:31:53,340 --> 00:31:50,920

to one

743

00:31:55,080 --> 00:31:53,350

I wouldn't tend to argue with people I

744

00:31:57,900 --> 00:31:55,090

think if that if they open to a good

745

00:32:00,900 --> 00:31:57,910

open dialog and a good conversation we

746

00:32:02,760 --> 00:32:00,910

can actually hey if I'm wrong then yeah

747

00:32:05,130 --> 00:32:02,770

that's absolutely fine if that wrong

748

00:32:07,100 --> 00:32:05,140

this let's have some fun but the only

749

00:32:09,900 --> 00:32:07,110

way to really progress and sort of

750

00:32:12,330 --> 00:32:09,910

develop your ideas is to have a good

751

00:32:14,970 --> 00:32:12,340

dialogue good discussion and find out

752

00:32:17,250 --> 00:32:14,980

where each other is coming from but some

753

00:32:19,200 --> 00:32:17,260

people yeah I find a lot of people have

754

00:32:22,350 --> 00:32:19,210

talked to about aunty Bais stuff they

755

00:32:25,170 --> 00:32:22,360

tend to be really strong a certain way

756

00:32:27,030 --> 00:32:25,180

and don't tend to want to discuss it so

757

00:32:28,260 --> 00:32:27,040

yeah you are these people that'll say up

758

00:32:29,780 --> 00:32:28,270

lady arguing with someone on the

759

00:32:32,820 --> 00:32:29,790

internet when you could be going to bed

760

00:32:38,370 --> 00:32:32,830

Naoko to bed yeah but you are the guy

761

00:32:41,490 --> 00:32:38,380

who would I used to but too many

762

00:32:43,710 --> 00:32:41,500

sleepless nights so I've pulled back a

763

00:32:46,560 --> 00:32:43,720

lot on it and I just like PT rooms open

764

00:32:48,300 --> 00:32:46,570

to their own opinion and ideas and but

765

00:32:51,300 --> 00:32:48,310

it seems like here's a good place for a

766

00:32:53,310 --> 00:32:51,310

good dialogue and that's sort of what

767

00:32:55,230 --> 00:32:53,320

drew me and usually I've been to a

768

00:32:57,810 --> 00:32:55,240

couple of these in theory I want an

769

00:33:01,410 --> 00:32:57,820

island actually we're a similar sort of

770

00:33:03,540 --> 00:33:01,420

set up with good pub pub talks and that

771

00:33:05,640 --> 00:33:03,550

and it had the Irish got a different

772

00:33:06,930 --> 00:33:05,650

bent to their skepticism is an issue

773

00:33:08,730 --> 00:33:06,940

that they'd like to cover there in

774

00:33:11,670 --> 00:33:08,740

Ireland that we might be maybe not

775

00:33:15,150 --> 00:33:11,680

covering as much here I mean politics

776

00:33:16,710 --> 00:33:15,160

for them seems to be a big one although

777

00:33:19,470 --> 00:33:16,720

that varies between the North and the

778

00:33:20,370 --> 00:33:19,480

rest of Ireland the EU wants to get a

779

00:33:21,690 --> 00:33:20,380

border back they're going to put

780

00:33:23,220 --> 00:33:21,700

pressure on the Irish government to put

781

00:33:24,900 --> 00:33:23,230

a border back and maybe that maybe the

782

00:33:27,120 --> 00:33:24,910

Irish government just not not be

783

00:33:28,710 --> 00:33:27,130

answering the phone that day

784

00:33:30,900 --> 00:33:28,720

I think there'll be a bit of sick leave

785

00:33:32,549 --> 00:33:30,910

you squirt next month yes

786

00:33:34,529 --> 00:33:32,559

oh that smell I think that's your food

787

00:33:37,590 --> 00:33:34,539

flashing there yep get some nutrients

788

00:33:39,330 --> 00:33:37,600

India look now the question we are

789

00:33:41,640 --> 00:33:39,340

asking people tonight the one Richard

790

00:33:44,760 --> 00:33:41,650

wheeled out all the way from America or

791

00:33:46,919 --> 00:33:44,770

Atlanta or or Greece or the the cote de

792

00:33:48,840 --> 00:33:46,929

rhône of every is this week has asked me

793

00:33:50,669 --> 00:33:48,850

to do this for him and ask people is

794

00:33:52,529 --> 00:33:50,679

there a sceptical moment or a turning

795

00:33:54,029 --> 00:33:52,539

point where you went that's it I want

796

00:33:55,860 --> 00:33:54,039

more critical thinking in my life right

797

00:33:57,270 --> 00:33:55,870

now what event caused it did you have

798

00:33:58,890 --> 00:33:57,280

London it's the thing where you buy the

799

00:34:01,470 --> 00:33:58,900

would have it or you just wouldn't what

800

00:34:04,080 --> 00:34:01,480

about you I personally don't think that

801
00:34:06,840 --> 00:34:04,090
I ever had one specific moment where I

802
00:34:10,020 --> 00:34:06,850
suddenly became a skeptic because I feel

803
00:34:13,609 --> 00:34:10,030
like I was always a little bit skeptical

804
00:34:15,720 --> 00:34:13,619
of various things and just over time I

805
00:34:18,180 --> 00:34:15,730
kind of changed my mind

806
00:34:19,980 --> 00:34:18,190
about stuff you mentioned earlier that

807
00:34:22,409 --> 00:34:19,990
you're your mum is into certain things

808
00:34:24,090 --> 00:34:22,419
that don't have as much skeptical track

809
00:34:25,530 --> 00:34:24,100
as they should which I thought would

810
00:34:27,899 --> 00:34:25,540
make for great interesting Christmas

811
00:34:30,540 --> 00:34:27,909
dinner conversations with your mum yeah

812
00:34:33,200 --> 00:34:30,550
look I mean generally speaking my family

813
00:34:35,040 --> 00:34:33,210

is more supportive of some things that I

814

00:34:38,190 --> 00:34:35,050

don't have great evidence like

815

00:34:41,940 --> 00:34:38,200

homeopathy and crystal healing and

816

00:34:44,010 --> 00:34:41,950

various other methodologies that aren't

817

00:34:45,930 --> 00:34:44,020

very evidence-based crystal healing

818

00:34:49,040 --> 00:34:45,940

that's one I haven't heard at a skeptics

819

00:34:51,119 --> 00:34:49,050

meeting mentioned for quite some time so

820

00:34:52,800 --> 00:34:51,129

traditionally what would you do would

821

00:34:53,879 --> 00:34:52,810

you would the crystal just be near you

822

00:34:55,230 --> 00:34:53,889

or you don't have to have physical

823

00:34:57,570 --> 00:34:55,240

contact with it how does it actually

824

00:35:00,330 --> 00:34:57,580

work from what you've seen anyway well I

825

00:35:02,160 --> 00:35:00,340

think because I I went to South various

826

00:35:05,340 --> 00:35:02,170

alternative practitioners as a child I

827

00:35:06,990 --> 00:35:05,350

don't think any of them like there many

828

00:35:08,430 --> 00:35:07,000

of them were primarily homeopaths that

829

00:35:10,020 --> 00:35:08,440

would like dabble in various other

830

00:35:12,240 --> 00:35:10,030

things I don't know if this is you know

831

00:35:14,460 --> 00:35:12,250

proper personal healing and invited

832

00:35:16,370 --> 00:35:14,470

summers but I had one person who would

833

00:35:18,840 --> 00:35:16,380

who gave me a little test tube of

834

00:35:20,580 --> 00:35:18,850

containing crit like a crystal and a few

835

00:35:22,260 --> 00:35:20,590

pieces of fur and like some other

836

00:35:25,410 --> 00:35:22,270

sprinkle anything yeah

837

00:35:27,110 --> 00:35:25,420

and I had to carry sure wasn't this is

838

00:35:30,030 --> 00:35:27,120

getting towards witchcraft at this point

839

00:35:32,760 --> 00:35:30,040

well I mean isn't homeopathy witchcraft

840

00:35:34,710 --> 00:35:32,770

anyway controversial opinions here on

841

00:35:37,800 --> 00:35:34,720

Thursday night so so you think that this

842

00:35:41,520 --> 00:35:37,810

is what what term do you think I think I

843

00:35:44,160 --> 00:35:41,530

overtime I think I always had a little

844

00:35:45,900 --> 00:35:44,170

bit of a kernel of disbelief within me

845

00:35:48,930 --> 00:35:45,910

and over time I just became more

846

00:35:50,130 --> 00:35:48,940

confident in expressing that which is

847

00:35:51,810 --> 00:35:50,140

why I don't think I can necessarily

848

00:35:54,570 --> 00:35:51,820

pinpoint it at one time where I was

849

00:35:56,520 --> 00:35:54,580

suddenly a skeptic or not something I'm

850

00:35:58,650 --> 00:35:56,530

pretty skeptical of and I copied a lot

851
00:36:00,480 --> 00:35:58,660
from my DJ friends is I'm pretty much

852
00:36:02,580 --> 00:36:00,490
convinced that vinyl does not sound

853
00:36:04,830 --> 00:36:02,590
better than a digital signal I'm sorry

854
00:36:06,420 --> 00:36:04,840
I'd the vinyl it just sounds muffled and

855
00:36:07,020 --> 00:36:06,430
if you like your sound muffled that's

856
00:36:09,660 --> 00:36:07,030
fine

857
00:36:11,550 --> 00:36:09,670
I reckon you're probably probably not

858
00:36:13,770 --> 00:36:11,560
wrong there I wonder if there's been any

859
00:36:15,900 --> 00:36:13,780
randomized control trials well there has

860
00:36:18,030 --> 00:36:15,910
been but it's a bit there bit

861
00:36:19,470 --> 00:36:18,040
inconclusive sometimes skipped or it's

862
00:36:22,020 --> 00:36:19,480
done a good episode on it Brian Dunning

863
00:36:23,640 --> 00:36:22,030

did one and it can be a bit inclusive as

864

00:36:24,630 --> 00:36:23,650

people bring their own biases so you

865

00:36:26,850 --> 00:36:24,640

better make sure it's completely

866

00:36:29,010 --> 00:36:26,860

double-blind like a medical thing and

867

00:36:30,690 --> 00:36:29,020

and I think it comes out about even in

868

00:36:33,660 --> 00:36:30,700

chance I think that some people do like

869

00:36:35,700 --> 00:36:33,670

a warm sound so a muffled warm sound

870

00:36:38,550 --> 00:36:35,710

there's nothing wrong with that yeah

871

00:36:41,490 --> 00:36:38,560

look I think it's a bit like eggs right

872

00:36:44,130 --> 00:36:41,500

and I saw people discussing this

873

00:36:46,440 --> 00:36:44,140

recently on Twitter there's no evidence

874

00:36:48,270 --> 00:36:46,450

that organic eggs have it any

875

00:36:50,640 --> 00:36:48,280

differently flavored to non-organic AIDS

876

00:36:53,550 --> 00:36:50,650

all eggs taste the same basically unless

877

00:36:55,350 --> 00:36:53,560

they're horribly poison but there's a

878

00:36:57,090 --> 00:36:55,360

there's something in the story of an egg

879

00:36:59,100 --> 00:36:57,100

that you've grown it whether your

880

00:37:01,320 --> 00:36:59,110

chickens have laid you've picked out of

881

00:37:01,740 --> 00:37:01,330

a hutch that you've cracked open and

882

00:37:03,570 --> 00:37:01,750

cooked

883

00:37:05,340 --> 00:37:03,580

can I use one of my favorite words now I

884

00:37:07,440 --> 00:37:05,350

never get to say this word but in this

885

00:37:10,350 --> 00:37:07,450

conversation its relative cloaca

886

00:37:17,280 --> 00:37:10,360

well Wacka Wacka Wacka there you go

887

00:37:18,840 --> 00:37:17,290

that's all I can say continue on I'm not

888

00:37:20,130 --> 00:37:18,850

regularly ever get to use the word I

889

00:37:21,690 --> 00:37:20,140

can't even write it on the side and hold

890

00:37:23,130 --> 00:37:21,700

it up without getting in trouble and

891

00:37:26,310 --> 00:37:23,140

with a joke hang on we've got a cloaca

892

00:37:28,860 --> 00:37:26,320

story here yes where the chickens saw

893

00:37:31,260 --> 00:37:28,870

their genitalia when they go to a

894

00:37:32,910 --> 00:37:31,270

nightclub I don't know where do chickens

895

00:37:33,580 --> 00:37:32,920

store their genitalia when they go to a

896

00:37:40,060 --> 00:37:33,590

nightclub

897

00:37:40,960 --> 00:37:40,070

the cloaca room oh we're only jealous

898

00:37:43,060 --> 00:37:40,970

cus we haven't got one

899

00:37:47,110 --> 00:37:43,070

that's absolutely it's an all-purpose

900

00:37:48,970 --> 00:37:47,120

orifice yeah that's true yeah well if

901
00:37:51,970 --> 00:37:48,980
evolution got three for the price of one

902
00:37:53,140 --> 00:37:51,980
there really didn't they absolutely have

903
00:37:54,910 --> 00:37:53,150
a good night tonight I hope you enjoy

904
00:37:58,920 --> 00:37:54,920
that I'll talk it's an environmental

905
00:38:01,540 --> 00:37:58,930
based talk it's coming up here thank you

906
00:38:03,040 --> 00:38:01,550
we're having a deep critical thinking

907
00:38:05,170 --> 00:38:03,050
conversation about the work of the Human

908
00:38:06,610 --> 00:38:05,180
League I think everything through Human

909
00:38:08,460 --> 00:38:06,620
League did is pretty good and I even

910
00:38:12,630 --> 00:38:08,470
like them now and Phil Oakey what a guy

911
00:38:15,300 --> 00:38:12,640
and we've got Tim here with Jimmy yeah

912
00:38:17,860 --> 00:38:15,310
I'm president of the anti human league

913
00:38:19,780 --> 00:38:17,870

well that's right goose you are of the

914

00:38:21,880 --> 00:38:19,790

opinion which a lot of people are that

915

00:38:23,770 --> 00:38:21,890

everything the Human League did before

916

00:38:26,860 --> 00:38:23,780

the deer album was their good work

917

00:38:28,270 --> 00:38:26,870

absolutely I agree I think the every

918

00:38:30,550 --> 00:38:28,280

critic who is worth a pinch of food

919

00:38:31,900 --> 00:38:30,560

agrees with that actually guess what so

920

00:38:36,250 --> 00:38:31,910

you're completely discounting together

921

00:38:37,930 --> 00:38:36,260

in electric dreams even the film you're

922

00:38:43,210 --> 00:38:37,940

discounting the Lebanon that's a great

923

00:38:46,330 --> 00:38:43,220

track perhaps was he's wired up nipples

924

00:38:48,640 --> 00:38:46,340

and things and he attorney I don't know

925

00:38:50,380 --> 00:38:48,650

look I enjoyed he's lopsided hairdo of

926

00:38:52,300 --> 00:38:50,390

course he's bald now but the lopsided

927

00:38:53,740 --> 00:38:52,310

hairdo was good that's why he's bald now

928

00:38:55,600 --> 00:38:53,750

age they never never have a lot never

929

00:38:57,160 --> 00:38:55,610

hated them but uh riches want me to ask

930

00:38:59,500 --> 00:38:57,170

people tonight about that if there was

931

00:39:00,940 --> 00:38:59,510

an event or a thing that turned you into

932

00:39:01,900 --> 00:39:00,950

the critical thinker and you and oh yeah

933

00:39:04,450 --> 00:39:01,910

that's what it's all about

934

00:39:07,270 --> 00:39:04,460

well it's a long story and let me tell

935

00:39:09,340 --> 00:39:07,280

you okay one of those people yeah it was

936

00:39:11,290 --> 00:39:09,350

it was probably a series of events but

937

00:39:12,940 --> 00:39:11,300

really what first started me once

938

00:39:14,970 --> 00:39:12,950

apparently starts a lot of skeptics was

939

00:39:18,460 --> 00:39:14,980

Erich von däniken I have favorite

940

00:39:22,000 --> 00:39:18,470

ancient astronaut theorists when I was a

941

00:39:24,250 --> 00:39:22,010

young whippersnapper he some excerpts of

942

00:39:27,730 --> 00:39:24,260

Chariots of the Gods Christian rock was

943

00:39:29,200 --> 00:39:27,740

published in a Sunday newspaper over two

944

00:39:30,820 --> 00:39:29,210

weeks so the first one everyone thought

945

00:39:33,040 --> 00:39:30,830

wow that's interesting let's see how it

946

00:39:34,390 --> 00:39:33,050

really quite exciting and then people

947

00:39:36,700 --> 00:39:34,400

writing and their letters were published

948

00:39:39,160 --> 00:39:36,710

in the next issue of the newspaper and I

949

00:39:40,870 --> 00:39:39,170

said fantastic his archaeology is great

950

00:39:41,430 --> 00:39:40,880

but I'm an astronomer and he's astronomy

951
00:39:43,350 --> 00:39:41,440

[h__\h]

952
00:39:44,940 --> 00:39:43,360
and other people would write in saying

953
00:39:46,470 --> 00:39:44,950
It's the astronomy it's really good but

954
00:39:48,690 --> 00:39:46,480
I'm an archaeologist these archaeology

955
00:39:50,460 --> 00:39:48,700
is rubbish which prove two things

956
00:39:52,920 --> 00:39:50,470
actually that never trust the scientist

957
00:39:55,500 --> 00:39:52,930
outside of their field and never trust

958
00:39:57,720 --> 00:39:55,510
Erich von Daniken now return to the

959
00:39:59,580 --> 00:39:57,730
stars I've actually seen you giving away

960
00:40:01,560 --> 00:39:59,590
erich von daniken books at this very

961
00:40:03,030 --> 00:40:01,570
skeptics in the pub I have actually yes

962
00:40:06,930 --> 00:40:03,040
in the past and they have they go like

963
00:40:09,000 --> 00:40:06,940

cold case so how did you end up with so

964

00:40:10,980 --> 00:40:09,010

many did someone bequeath a collection

965

00:40:13,650 --> 00:40:10,990

at some stage someone bequeathed a huge

966

00:40:16,590 --> 00:40:13,660

collection about eight boxes turned up

967

00:40:18,720 --> 00:40:16,600

on my doorstep from a gentleman in Nara

968

00:40:20,610 --> 00:40:18,730

who had probably finally had enough of

969

00:40:22,320 --> 00:40:20,620

them actually collecting dust I've still

970

00:40:24,990 --> 00:40:22,330

got some of them but I gave quite a few

971

00:40:26,520 --> 00:40:25,000

away I should actually sadly point out

972

00:40:28,770 --> 00:40:26,530

that the president of the sceptics at

973

00:40:32,160 --> 00:40:28,780

the time grab all of the von Daniken

974

00:40:35,640 --> 00:40:32,170

boss because Hey - Hey - was early an

975

00:40:38,400 --> 00:40:35,650

early D convert of Erich von Daniken so

976

00:40:40,050 --> 00:40:38,410

I must say if you can possibly find the

977

00:40:41,700 --> 00:40:40,060

movie that was the follow-up to charity

978

00:40:45,000 --> 00:40:41,710

to the gods it's hosted by William

979

00:40:46,620 --> 00:40:45,010

Shatner right now I really of course it

980

00:40:49,200 --> 00:40:46,630

wasn't there anymore he starts a Star

981

00:40:50,460 --> 00:40:49,210

Trek theme yeah it's a yes he's standing

982

00:40:52,440 --> 00:40:50,470

next to a model of the enterprise at the

983

00:40:53,910 --> 00:40:52,450

beginning and he's great he and and I

984

00:40:57,780 --> 00:40:53,920

think he said lady you know he was just

985

00:40:59,880 --> 00:40:57,790

doing it for the money Shatner doing

986

00:41:02,130 --> 00:40:59,890

something for the shetland for money no

987

00:41:04,170 --> 00:41:02,140

that was his song his big song he had

988

00:41:07,260 --> 00:41:04,180

that he had there was the husband album

989

00:41:09,570 --> 00:41:07,270

that he did with Ben Folds the

990

00:41:11,070 --> 00:41:09,580

transformed man 612 60s near the

991

00:41:14,640 --> 00:41:11,080

transformed man have a listen to that

992

00:41:14,790 --> 00:41:14,650

people it is a great album yeah sure it

993

00:41:17,520 --> 00:41:14,800

is

994

00:41:19,500 --> 00:41:17,530

a lot of people did basically you've got

995

00:41:21,270 --> 00:41:19,510

Erich von däniken to think for being a

996

00:41:22,650 --> 00:41:21,280

skeptic I'd really do actually yeah but

997

00:41:25,170 --> 00:41:22,660

then there was other things that cropped

998

00:41:27,090 --> 00:41:25,180

up along the way like while dishing the

999

00:41:29,520 --> 00:41:27,100

dissing dishing get dishing von Daniken

1000

00:41:30,990 --> 00:41:29,530

I still believed in things like Bermuda

1001
00:41:33,390 --> 00:41:31,000
Triangle and stuff until you actually

1002
00:41:34,680 --> 00:41:33,400
read some books that point out but

1003
00:41:36,270 --> 00:41:34,690
unfortunately that's not true that's not

1004
00:41:38,280 --> 00:41:36,280
true that's not true so it's a gradual

1005
00:41:40,830 --> 00:41:38,290
process I don't think anyone has a flash

1006
00:41:42,570 --> 00:41:40,840
of light on the road to Damascus sort of

1007
00:41:43,320 --> 00:41:42,580
moment and I think there's a gradual

1008
00:41:45,120 --> 00:41:43,330
thing

1009
00:41:47,550 --> 00:41:45,130
and what we got tonight is our Speaker

1010
00:41:49,290 --> 00:41:47,560
Tim we have a everything's talk about

1011
00:41:51,690 --> 00:41:49,300
science spending a bit cautious in the

1012
00:41:54,390 --> 00:41:51,700
way it comes forward based on the issues

1013
00:41:56,880 --> 00:41:54,400

of coal seam gas and the person who's

1014

00:41:59,010 --> 00:41:56,890

giving the talk is a environmentalist

1015

00:42:00,930 --> 00:41:59,020

and they are a science communicator and

1016

00:42:03,240 --> 00:42:00,940

they're also a citizen scientists and so

1017

00:42:05,820 --> 00:42:03,250

a bit of a campaigner about various coal

1018

00:42:07,590 --> 00:42:05,830

seam gas sites in New South Wales you

1019

00:42:09,540 --> 00:42:07,600

you don't get too many citizen high

1020

00:42:11,040 --> 00:42:09,550

court judges these days I've found you

1021

00:42:12,180 --> 00:42:11,050

they did not not many not even on the

1022

00:42:13,770 --> 00:42:12,190

internet now you don't get as many

1023

00:42:15,360 --> 00:42:13,780

amateur scientists to making huge

1024

00:42:18,300 --> 00:42:15,370

discoveries of planets and things yeah

1025

00:42:20,400 --> 00:42:18,310

yeah time to change yeah and tonight is

1026
00:42:23,100 --> 00:42:20,410
that night yes that's the one we found

1027
00:42:24,750 --> 00:42:23,110
them oh girl have been asking people

1028
00:42:26,400 --> 00:42:24,760
what was this sceptical moment that

1029
00:42:28,080 --> 00:42:26,410
turned them into maybe a skeptical or

1030
00:42:29,250 --> 00:42:28,090
could it go thinker but you're you've

1031
00:42:31,410 --> 00:42:29,260
got an answers a lot of people would

1032
00:42:33,950 --> 00:42:31,420
happen that you didn't have one yeah I

1033
00:42:36,980 --> 00:42:33,960
don't think I particularly had one I

1034
00:42:38,550 --> 00:42:36,990
guess like I've always thought about

1035
00:42:40,320 --> 00:42:38,560
questioning stuff

1036
00:42:41,880 --> 00:42:40,330
I remember thinking about like when I

1037
00:42:45,900 --> 00:42:41,890
was very young like like it was going

1038
00:42:49,410 --> 00:42:45,910

why mum why as I grew up in like a

1039

00:42:51,180 --> 00:42:49,420

default Christian household sort of very

1040

00:42:53,100 --> 00:42:51,190

like not very practising or whatever but

1041

00:42:55,320 --> 00:42:53,110

just sort of like there is a God it

1042

00:42:56,820 --> 00:42:55,330

exists whatever and I remember thinking

1043

00:42:59,550 --> 00:42:56,830

to myself like in the playground like

1044

00:43:00,480 --> 00:42:59,560

giving challenges to God just in my head

1045

00:43:02,370 --> 00:43:00,490

you know because you should be able to

1046

00:43:05,340 --> 00:43:02,380

hear it if you exist then bla bla bla

1047

00:43:09,200 --> 00:43:05,350

I'm like trying to assess the results

1048

00:43:12,540 --> 00:43:09,210

but like you were doing an on

1049

00:43:16,320 --> 00:43:12,550

double-blinded small-scale experiment

1050

00:43:18,150 --> 00:43:16,330

yeah just sort of in my head will there

1051
00:43:21,690 --> 00:43:18,160
be pizza for dinner tonight stuff like

1052
00:43:23,940 --> 00:43:21,700
that I guess so yeah that's what I was

1053
00:43:26,430 --> 00:43:23,950
pretty young and then I guess as I grew

1054
00:43:28,860 --> 00:43:26,440
up of come across all sorts of different

1055
00:43:30,450 --> 00:43:28,870
people have different views about things

1056
00:43:32,880 --> 00:43:30,460
that I thought I knew more about and

1057
00:43:34,980 --> 00:43:32,890
that's made me learn to question things

1058
00:43:37,050 --> 00:43:34,990
are much better right so it's it's not

1059
00:43:40,020 --> 00:43:37,060
so much a moment for some people it's a

1060
00:43:43,800 --> 00:43:40,030
journey like life itself very much so

1061
00:43:45,510 --> 00:43:43,810
yeah I'm here at a serial complainer I

1062
00:43:47,730 --> 00:43:45,520
know he's had a lot to say about me over

1063
00:43:49,050 --> 00:43:47,740

the years how I can I'm fine I'm still a

1064

00:43:50,340 --> 00:43:49,060

grumpy old man thank you

1065

00:43:51,930 --> 00:43:50,350

both look I think you should wear that

1066

00:43:53,430 --> 00:43:51,940

with pride thank you very much so how

1067

00:43:55,620 --> 00:43:53,440

many copies of carats of the Gods have

1068

00:43:57,390 --> 00:43:55,630

you got at home I have read it and I

1069

00:43:59,160 --> 00:43:57,400

read the sequel and I was absolutely

1070

00:44:01,980 --> 00:43:59,170

disgusted then this is back when I was a

1071

00:44:04,140 --> 00:44:01,990

teenager so I was a skeptic back then

1072

00:44:05,700 --> 00:44:04,150

even you a cranky young teenager back I

1073

00:44:08,190 --> 00:44:05,710

was a cranky young teenager and I've

1074

00:44:10,980 --> 00:44:08,200

developed it into PhD material now

1075

00:44:13,080 --> 00:44:10,990

Richard sent me out asking people was

1076
00:44:14,730 --> 00:44:13,090
there a moment where you were there an

1077
00:44:16,050 --> 00:44:14,740
event that triggered your skepticism in

1078
00:44:17,670 --> 00:44:16,060
a man hey I'm going to go down this path

1079
00:44:19,680 --> 00:44:17,680
did that happen to you or has it been a

1080
00:44:22,380 --> 00:44:19,690
bit like an evolution with you well

1081
00:44:25,800 --> 00:44:22,390
actually I think as I said I've always

1082
00:44:27,570 --> 00:44:25,810
been rather skeptical and following

1083
00:44:29,310 --> 00:44:27,580
Erich von Daniken and that's oh and I

1084
00:44:31,500 --> 00:44:29,320
became an air traffic controller now I

1085
00:44:33,540 --> 00:44:31,510
worked in the aviation industry and it's

1086
00:44:36,060 --> 00:44:33,550
a very unforgiving and dangerous

1087
00:44:38,160 --> 00:44:36,070
environment so there is no room in there

1088
00:44:40,920 --> 00:44:38,170

for fruitloop reading everything is

1089

00:44:43,530 --> 00:44:40,930

based on hard science everything you do

1090

00:44:45,000 --> 00:44:43,540

has to be justified to a court when I

1091

00:44:47,760 --> 00:44:45,010

finished with air traffic control I

1092

00:44:50,070 --> 00:44:47,770

found it a difficult transition to go

1093

00:44:51,660 --> 00:44:50,080

into the mainstream world where any sort

1094

00:44:54,420 --> 00:44:51,670

of fruit loop area gets that gets a

1095

00:44:57,810 --> 00:44:54,430

hearing but I never did anything about

1096

00:45:01,290 --> 00:44:57,820

it until I saw how the anti-vaccination

1097

00:45:02,880 --> 00:45:01,300

movement harassed grieving families and

1098

00:45:04,980 --> 00:45:02,890

I thought someone's got to do something

1099

00:45:07,080 --> 00:45:04,990

about this so I did now did this take

1100

00:45:08,820 --> 00:45:07,090

the form of direct phone calls to them

1101
00:45:09,900 --> 00:45:08,830
or just talking about grieving families

1102
00:45:12,930 --> 00:45:09,910
in the press

1103
00:45:17,400 --> 00:45:12,940
no I it was it was a strange thing that

1104
00:45:19,850 --> 00:45:17,410
the the New South Wales legislation had

1105
00:45:22,410 --> 00:45:19,860
been changed very recently to allow a

1106
00:45:24,690 --> 00:45:22,420
complaint to the healthcare Complaints

1107
00:45:27,510 --> 00:45:24,700
Commission about unregistered

1108
00:45:29,970 --> 00:45:27,520
practitioners so I thought I will test

1109
00:45:32,070 --> 00:45:29,980
the legislation and put in a complaint

1110
00:45:34,530 --> 00:45:32,080
about the Australian vaccination Network

1111
00:45:39,030 --> 00:45:34,540
and see what happens and lo and behold

1112
00:45:40,980 --> 00:45:39,040
the H Triple C - you know god bless them

1113
00:45:43,890 --> 00:45:40,990

they took up the complaint eventually it

1114

00:45:46,680 --> 00:45:43,900

led to a public warning issued against

1115

00:45:48,660 --> 00:45:46,690

the ABN which we then used to discredit

1116

00:45:50,700 --> 00:45:48,670

them in the media which meant that the

1117

00:45:52,950 --> 00:45:50,710

media no longer went to them thought it

1118

00:45:55,380 --> 00:45:52,960

circles so called informed comment and

1119

00:45:57,660 --> 00:45:55,390

it led to further legislation changes

1120

00:45:58,980 --> 00:45:57,670

and political politicians getting onside

1121

00:46:01,980 --> 00:45:58,990

it led to

1122

00:46:04,230 --> 00:46:01,990

no Jeff no play no Jeff no pay things so

1123

00:46:07,170 --> 00:46:04,240

it all began back when the

1124

00:46:09,300 --> 00:46:07,180

anti-vaccination Froot Loops harassed a

1125

00:46:10,859 --> 00:46:09,310

grieving family if they had not done

1126

00:46:13,650 --> 00:46:10,869

that maybe none of this would have

1127

00:46:15,380 --> 00:46:13,660

happened and that's and that's what

1128

00:46:17,730 --> 00:46:15,390

that's what stepped up your skepticism

1129

00:46:20,730 --> 00:46:17,740

absolutely and also being a grumpy old

1130

00:46:21,840 --> 00:46:20,740

man who's retired and so what you do I

1131

00:46:23,010 --> 00:46:21,850

just sort of grumpy around the house

1132

00:46:25,109 --> 00:46:23,020

these days you're grumpy with your

1133

00:46:27,960 --> 00:46:25,119

neighbors with the lawn ah with the lawn

1134

00:46:29,490 --> 00:46:27,970

with the neighboring kids I mean it just

1135

00:46:33,060 --> 00:46:29,500

about anything you can think of I'll be

1136

00:46:35,250 --> 00:46:33,070

grumpy about yeah and as you noticed

1137

00:46:36,960 --> 00:46:35,260

I've moved on to car practice I mean now

1138

00:46:38,490 --> 00:46:36,970

there's a good target for anyone it's

1139

00:46:40,230 --> 00:46:38,500

not even grumpy I mean there's a bunch

1140

00:46:43,320 --> 00:46:40,240

of Froot Loops of ever I've heard of any

1141

00:46:46,470 --> 00:46:43,330

and they're getting into psychiatry yeah

1142

00:46:49,950 --> 00:46:46,480

we found a chiropractor who claims he

1143

00:46:51,840 --> 00:46:49,960

can treat psychiatric illnesses now too

1144

00:46:54,170 --> 00:46:51,850

the average psychiatrist this is just

1145

00:46:56,250 --> 00:46:54,180

absolutely horrifying because

1146

00:46:56,960 --> 00:46:56,260

psychiatric illnesses can lead to

1147

00:47:00,390 --> 00:46:56,970

suicide

1148

00:47:02,310 --> 00:47:00,400

Vince this is really serious stuff so

1149

00:47:03,930 --> 00:47:02,320

I'm determined to do something about it

1150

00:47:05,910 --> 00:47:03,940

I mean there's enough controversy about

1151

00:47:07,800 --> 00:47:05,920

actual psychiatry without having it

1152

00:47:09,300 --> 00:47:07,810

somebody else who isn't even using that

1153

00:47:28,150 --> 00:47:09,310

that's what we don't want to add to the

1154

00:47:33,440 --> 00:47:30,830

Boris Diaw m'appelle Elizabeth faith

1155

00:47:36,440 --> 00:47:33,450

years socotra stupid cast method a shot

1156

00:47:38,420 --> 00:47:36,450

de Foix pamaj Papa's video Villanova

1157

00:47:41,180 --> 00:47:38,430

novelty explorer 11 available a

1158

00:47:43,880 --> 00:47:41,190

metacognition pop Kwang Johnson screen

1159

00:47:46,400 --> 00:47:43,890

opens Oh Rizzo disease emissions on

1160

00:47:49,190 --> 00:47:46,410

sweetie Tremblay Moderne order demon

1161

00:47:52,160 --> 00:47:49,200

hunter holliman ugly whiskers - arabic

1162

00:47:55,190 --> 00:47:52,170

Jessica sub-option go universe Java new

1163

00:47:59,240 --> 00:47:55,200

septic groovy new solution new tube do

1164

00:48:00,410 --> 00:47:59,250

method a shot and they will see ash

1165

00:48:04,880 --> 00:48:00,420

oopsie

1166

00:48:07,250 --> 00:48:04,890

a bientot method a shot hello everyone

1167

00:48:09,560 --> 00:48:07,260

I'm Elizabeth fakey the creator of the

1168

00:48:12,620 --> 00:48:09,570

french-speaking method the shock podcast

1169

00:48:15,050 --> 00:48:12,630

twice a month I host a new guest to

1170

00:48:18,530 --> 00:48:15,060

explore the field of meta cognition why

1171

00:48:20,630 --> 00:48:18,540

we think the way we think some shows are

1172

00:48:22,600 --> 00:48:20,640

subtitled in English and actually the

1173

00:48:25,370 --> 00:48:22,610

latest one is all in English an

1174

00:48:28,630 --> 00:48:25,380

exclusive conversation with Jessica Cobb

1175

00:48:31,700 --> 00:48:28,640

an ex New Age guru who turned skeptic

1176

00:48:38,450 --> 00:48:31,710

join us on the method of Jacque YouTube

1177

00:48:43,570 --> 00:48:38,460

channel M ETA de choc a Bianco Matata

1178

00:48:43,580 --> 00:48:53,640

[Music]

1179

00:48:58,050 --> 00:48:56,020

thank you for listening to the skeptics

1180

00:49:02,200 --> 00:48:58,060

are now I'm down here on Market Street

1181

00:49:06,880 --> 00:49:02,210

near Embarcadero BART station and just

1182

00:49:10,420 --> 00:49:06,890

to see a wonderful old California San

1183

00:49:12,670 --> 00:49:10,430

Francisco streetcar cable car rattled by

1184

00:49:13,740 --> 00:49:12,680

Van Ness Avenue California it says in

1185

00:49:16,540 --> 00:49:13,750

Market Streets

1186

00:49:19,030 --> 00:49:16,550

it's something you see out of the TV out

1187

00:49:20,680 --> 00:49:19,040

of the movies it's a wonderful wonderful

1188

00:49:23,200 --> 00:49:20,690

where it's a tourist attraction I

1189

00:49:26,380 --> 00:49:23,210

suppose San Francisco Municipal Railway

1190

00:49:29,830 --> 00:49:26,390

it says and there's a modest lineup here

1191

00:49:31,500 --> 00:49:29,840

people ready to get on coming up on next

1192

00:49:33,970 --> 00:49:31,510

week's show I hope to bring you some

1193

00:49:36,280 --> 00:49:33,980

interviews from wonderful people I met

1194

00:49:39,339 --> 00:49:36,290

at DragonCon including the young author

1195

00:49:42,970 --> 00:49:39,349

Bailey Harris at 13 she has written

1196

00:49:45,760 --> 00:49:42,980

three books on science for children also

1197

00:49:48,880 --> 00:49:45,770

it was my great pleasure to see dr.

1198

00:49:50,470 --> 00:49:48,890

Pamela gay and I think I'm gonna line up

1199

00:49:52,960 --> 00:49:50,480

an interview with her to find out what's

1200

00:49:57,780 --> 00:49:52,970

going on there's a skateboarder skate by

1201
00:50:02,560 --> 00:50:00,970
but for this week with the passing

1202
00:50:04,360 --> 00:50:02,570
parade that is San Francisco

1203
00:50:13,540 --> 00:50:04,370
this is Richard Saunders signing off

1204
00:50:16,540 --> 00:50:13,550
from San Francisco you've been listening

1205
00:50:23,230 --> 00:50:16,550
to the skeptic zone podcast please visit

1206
00:50:25,930 --> 00:50:23,240
our website at wwlp.com tax and to

1207
00:50:29,650 --> 00:50:25,940
access the bat catalog of episodes going

1208
00:50:32,460 --> 00:50:29,660
back to 2008 you can follow the skeptic

1209
00:50:35,200 --> 00:50:32,470
zone podcast on twitter at skeptic zone

1210
00:50:38,680 --> 00:50:35,210
visit our facebook page or leave a

1211
00:50:41,620 --> 00:50:38,690
review on itunes you can also support

1212
00:50:44,050 --> 00:50:41,630
the skeptic zone via patreon or PayPal

1213
00:50:46,720 --> 00:50:44,060

the skeptic zone podcast is an

1214

00:50:48,550 --> 00:50:46,730

independent production the views and

1215

00:50:50,770 --> 00:50:48,560

opinions expressed on the skeptic zone

1216

00:50:53,320 --> 00:50:50,780

are not necessarily those of Australian

1217

00:50:54,200 --> 00:50:53,330

skeptics or any other skeptical