

Episode 543

THE
**SKEPTIC
ZONE**
PODCAST

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17 March 2019

The Skeptic Zone Podcast



Michelle Franklin

Episode 543 - 17 March 2019

Anti-Vax Chef?

Michelle Franklin
"Only in..." Meme

GMO Only Interview

Australian Skeptics on
Climate Change

PhD called into question

1
00:00:11,910 --> 00:00:09,100
welcome to the skeptic zone the podcast

2
00:00:13,920 --> 00:00:11,920
from Australia for science and reason

3
00:00:25,740 --> 00:00:13,930
[Music]

4
00:00:30,410 --> 00:00:25,750
yes it's the skeptics own podcast

5
00:00:33,090 --> 00:00:30,420
episode number 543 for the 17th of March

6
00:00:34,560 --> 00:00:33,100
2019 Richard Saunders here with he once

7
00:00:38,250 --> 00:00:34,570
again coming to you from the Bay Area

8
00:00:40,410 --> 00:00:38,260
San Francisco and thank you so much to

9
00:00:43,200 --> 00:00:40,420
the Bay Area skeptics the other night I

10
00:00:46,320 --> 00:00:43,210
gave a talk in Berkeley about psychic

11
00:00:49,710 --> 00:00:46,330
detectives so-called psychic detectives

12
00:00:52,500 --> 00:00:49,720
and Australian crimes famous Australian

13
00:00:55,560 --> 00:00:52,510

crimes missing children grisly murders

14

00:00:57,360 --> 00:00:55,570

that sort of thing and it I think it

15

00:00:58,470 --> 00:00:57,370

went over very well the crowd seemed to

16

00:01:00,810 --> 00:00:58,480

enjoy it and there were lots of

17

00:01:04,020 --> 00:01:00,820

questions afterwards and as these things

18

00:01:05,790 --> 00:01:04,030

turn out my talk was in the evening

19

00:01:07,920 --> 00:01:05,800

which was fine for me because I only

20

00:01:10,410 --> 00:01:07,930

just arrived in the United States the

21

00:01:12,240 --> 00:01:10,420

day before but my body clock was still

22

00:01:14,399 --> 00:01:12,250

on Australian time which meant that my

23

00:01:17,550 --> 00:01:14,409

talk in the evening was roughly about

24

00:01:19,530 --> 00:01:17,560

lunchtime in Australia so I did fine

25

00:01:21,870 --> 00:01:19,540

it's just waking up in the mornings for

26

00:01:23,700 --> 00:01:21,880

the next few days is a bit tricky now

27

00:01:26,670 --> 00:01:23,710

this is the third time I've given this

28

00:01:28,500 --> 00:01:26,680

talk on psychic detectives actually gave

29

00:01:32,010 --> 00:01:28,510

it for the New South Wales Police Force

30

00:01:33,900 --> 00:01:32,020

and members of the Federal Police and

31

00:01:37,140 --> 00:01:33,910

Defence Force which was a great pleasure

32

00:01:40,200 --> 00:01:37,150

and I gave it that Sydney skeptics in

33

00:01:42,530 --> 00:01:40,210

the pub only week ago and it's a

34

00:01:45,060 --> 00:01:42,540

fascinating topic this whole idea of

35

00:01:48,480 --> 00:01:45,070

people claiming to be psychics and

36

00:01:51,600 --> 00:01:48,490

helping the police and as I discovered

37

00:01:53,670 --> 00:01:51,610

in my research from time to time some

38

00:01:55,410 --> 00:01:53,680

police actually do call in people who

39

00:02:00,630 --> 00:01:55,420

claim to have psychic insights and

40

00:02:02,880 --> 00:02:00,640

powers and it's all too easy to condemn

41

00:02:05,540 --> 00:02:02,890

police for doing that it's too quick I

42

00:02:08,690 --> 00:02:05,550

think to do that too quick to judge and

43

00:02:12,479 --> 00:02:08,700

part of the problem is as I see it

44

00:02:15,410 --> 00:02:12,489

police in general don't have the same

45

00:02:19,259 --> 00:02:15,420

background and dare I say training is

46

00:02:22,140 --> 00:02:19,269

skeptics in so much is that

47

00:02:25,530 --> 00:02:22,150

Mindi skeptics can understand the

48

00:02:28,229 --> 00:02:25,540

psychology of a typical reading what's

49

00:02:30,750 --> 00:02:28,239

really going on where something appears

50

00:02:34,080 --> 00:02:30,760

to be a psychic insight and turns out

51
00:02:36,780 --> 00:02:34,090
later not to be but why it does appear

52
00:02:38,610 --> 00:02:36,790
so and again and again when people ask

53
00:02:41,820 --> 00:02:38,620
me about this I fall back on them and

54
00:02:44,910 --> 00:02:41,830
what I think is a good analogy if you

55
00:02:47,820 --> 00:02:44,920
see a magician doing a magic trick right

56
00:02:51,089 --> 00:02:47,830
in front of your eyes you can be

57
00:02:54,089 --> 00:02:51,099
absolutely mystified and how that

58
00:02:56,539 --> 00:02:54,099
magician could possibly do it make the

59
00:02:59,369 --> 00:02:56,549
rabbit disappear make the penny appear

60
00:03:01,080 --> 00:02:59,379
appear to read your mind in the case of

61
00:03:03,920 --> 00:03:01,090
mentalism and you could spend the rest

62
00:03:06,990 --> 00:03:03,930
of your life not knowing and wondering

63
00:03:08,729 --> 00:03:07,000

but if you learn the trick if you read

64

00:03:11,880 --> 00:03:08,739

the book or the magician discloses the

65

00:03:15,210 --> 00:03:11,890

trick to you and you see it again it's

66

00:03:17,850 --> 00:03:15,220

obvious and well the trick is not so

67

00:03:20,039 --> 00:03:17,860

exciting anymore but it's not a trick

68

00:03:24,119 --> 00:03:20,049

anymore and this is the same sort of

69

00:03:27,300 --> 00:03:24,129

thing with a psychic reading and police

70

00:03:30,360 --> 00:03:27,310

officers can fall victim to this too and

71

00:03:33,330 --> 00:03:30,370

they can see a psychic reading in action

72

00:03:35,910 --> 00:03:33,340

or get information from a psychic and

73

00:03:38,160 --> 00:03:35,920

not realize the psychology in this case

74

00:03:39,720 --> 00:03:38,170

that represents the trick but once you

75

00:03:43,710 --> 00:03:39,730

know the tricks and the psychology of

76

00:03:48,150 --> 00:03:43,720

cold reading for example I spent a lot

77

00:03:51,839 --> 00:03:48,160

of time transcribing psychic readings

78

00:03:54,839 --> 00:03:51,849

and I've transcribed a police interview

79

00:03:57,030 --> 00:03:54,849

with a psychic and I could then pick

80

00:03:59,849 --> 00:03:57,040

that apart and see how the psychic was

81

00:04:01,379 --> 00:03:59,859

using well basic cold reading techniques

82

00:04:03,409 --> 00:04:01,389

again if you don't know how these cold

83

00:04:07,710 --> 00:04:03,419

reading techniques work you can be

84

00:04:10,199 --> 00:04:07,720

somewhat amazed and will get the

85

00:04:13,379 --> 00:04:10,209

Evergreen expression which is a big red

86

00:04:16,370 --> 00:04:13,389

flag to us they knew things they

87

00:04:18,900 --> 00:04:16,380

couldn't have possibly have known anyway

88

00:04:21,690 --> 00:04:18,910

thank you again to the Bay Area skeptics

89

00:04:23,820 --> 00:04:21,700

and I hope to give that talk again I

90

00:04:27,060 --> 00:04:23,830

might even save that up for Dragon Con

91

00:04:30,409 --> 00:04:27,070

in Atlanta Georgia later on in the year

92

00:04:32,760 --> 00:04:30,419

where I'm a scheduled to appear and talk

93

00:04:34,860 --> 00:04:32,770

longtime skeptic zone fans might

94

00:04:40,040 --> 00:04:34,870

remember that in the very early days of

95

00:04:42,959 --> 00:04:40,050

the skeptic zone 2008 2009 and 2010 I

96

00:04:44,550 --> 00:04:42,969

was at Dragon Con and did reports from

97

00:04:47,049 --> 00:04:44,560

there for those of you who don't know

98

00:04:49,549 --> 00:04:47,059

Dragon Con is a huge

99

00:04:52,519 --> 00:04:49,559

fantasy science fiction festival in

100

00:04:54,969 --> 00:04:52,529

Atlanta Georgia every year and it's when

101

00:04:56,899 --> 00:04:54,979

I say huge it really is huge it's

102

00:04:58,399 --> 00:04:56,909

thousands upon thousands of people

103

00:05:01,279 --> 00:04:58,409

turning up in all sorts of weird

104

00:05:04,249 --> 00:05:01,289

wonderful costumes and there has been a

105

00:05:07,609 --> 00:05:04,259

sceptical track run by my colleague and

106

00:05:09,949 --> 00:05:07,619

friend Derek : dunno and recent more

107

00:05:13,100 --> 00:05:09,959

recently with the assistance of dr.

108

00:05:14,119 --> 00:05:13,110

Angie Matt key anyway all that's coming

109

00:05:15,649 --> 00:05:14,129

up in the future

110

00:05:18,679 --> 00:05:15,659

but what's coming up in the short-term

111

00:05:21,169 --> 00:05:18,689

future on the skeptics zone podcast a

112

00:05:24,109 --> 00:05:21,179

bit of a truncated show once again due

113

00:05:26,089 --> 00:05:24,119

to my traveling around sometimes it's

114

00:05:27,949 --> 00:05:26,099

difficult to put a show together when

115

00:05:30,739 --> 00:05:27,959

there are a lot of other things going on

116

00:05:33,439 --> 00:05:30,749

and you will notice in this episode my

117

00:05:35,329 --> 00:05:33,449

voice seems to change quite a bit that's

118

00:05:36,769 --> 00:05:35,339

because I've been recording in different

119

00:05:41,119 --> 00:05:36,779

locations under different circumstances

120

00:05:43,999 --> 00:05:41,129

and I was just on the tail end of the

121

00:05:47,509 --> 00:05:44,009

flu or the cold or whatever I had so um

122

00:05:50,869 --> 00:05:47,519

I hope you understand we're going to be

123

00:05:53,929 --> 00:05:50,879

looking at a story concerning celebrity

124

00:05:55,879 --> 00:05:53,939

chef Pete Evans who a few years back won

125

00:05:59,119 --> 00:05:55,889

the bent spoon award from Australian

126
00:06:03,559 --> 00:05:59,129
sceptics and his apparent support for an

127
00:06:06,079 --> 00:06:03,569
anti-vaxxer Pete Evans is an influential

128
00:06:08,659 --> 00:06:06,089
man he has many Facebook followers so

129
00:06:12,379 --> 00:06:08,669
it's very worrying if someone like that

130
00:06:15,079 --> 00:06:12,389
is seen to support anti vaccination then

131
00:06:17,419 --> 00:06:15,089
life is wild with Michelle Franklin our

132
00:06:21,379 --> 00:06:17,429
reporter from Darwin with a very

133
00:06:23,629 --> 00:06:21,389
interesting point of view about what

134
00:06:26,869 --> 00:06:23,639
makes you think that your area your

135
00:06:28,939 --> 00:06:26,879
region your tribe is so special you've

136
00:06:32,919 --> 00:06:28,949
probably seen the meme yourself going

137
00:06:36,949 --> 00:06:32,929
around which says only in dot dot dot

138
00:06:39,889 --> 00:06:36,959

only in Darwin and it reminds me of

139

00:06:42,109 --> 00:06:39,899

quite often in Australia on the TV news

140

00:06:44,629 --> 00:06:42,119

the funny story at the end of the news

141

00:06:47,299 --> 00:06:44,639

will be something like well only in the

142

00:06:48,919 --> 00:06:47,309

United States dot dot dot dot and I'll

143

00:06:51,139 --> 00:06:48,929

have some sort of crazy story

144

00:06:54,980 --> 00:06:51,149

Michelle looks at some of the thinking

145

00:06:58,609 --> 00:06:54,990

behind this only in meme then the

146

00:07:00,200 --> 00:06:58,619

continuing story of something we've been

147

00:07:03,170 --> 00:07:00,210

covering for quite some time

148

00:07:06,260 --> 00:07:03,180

this is the PhD awarded to Julie Y

149

00:07:11,689 --> 00:07:06,270

Lehman who is a well-known anti-vaxxer

150

00:07:14,120 --> 00:07:11,699

and recent criticism now of that PhD

151
00:07:17,650 --> 00:07:14,130
after it's been studied by other experts

152
00:07:21,279 --> 00:07:17,660
this is the same woman who has been

153
00:07:24,559 --> 00:07:21,289
recorded shouting and screaming at

154
00:07:27,189 --> 00:07:24,569
vaccination meetings to sort of shout

155
00:07:30,980 --> 00:07:27,199
down the doctors talking on stage and

156
00:07:34,070 --> 00:07:30,990
she charges quite a high fee to be an

157
00:07:35,510 --> 00:07:34,080
expert witness in court cases too then

158
00:07:37,629 --> 00:07:35,520
we have an interview by our

159
00:07:40,520 --> 00:07:37,639
correspondent in Canberra Kevin Davies

160
00:07:43,420 --> 00:07:40,530
we quite often run promotions for the

161
00:07:45,920 --> 00:07:43,430
Canberra skeptics and their events and

162
00:07:48,710 --> 00:07:45,930
just the other week they had a talk

163
00:07:52,760 --> 00:07:48,720

about GMO and this particular talk was

164

00:07:55,310 --> 00:07:52,770

titled talking plain about GMOs we have

165

00:07:58,100 --> 00:07:55,320

interviews with Jose Barrera and Martina

166

00:08:01,909 --> 00:07:58,110

digger Aris I'll add a link in the show

167

00:08:04,760 --> 00:08:01,919

notes but their website is GMO only

168

00:08:06,980 --> 00:08:04,770

and.com one word then to round off the

169

00:08:11,439 --> 00:08:06,990

show we have a statement a recently

170

00:08:13,939 --> 00:08:11,449

published statement a restating a

171

00:08:17,060 --> 00:08:13,949

reinforcing of the position of

172

00:08:20,570 --> 00:08:17,070

Australian skeptics Inc when it comes to

173

00:08:23,899 --> 00:08:20,580

climate change now for too long we have

174

00:08:26,270 --> 00:08:23,909

been accused and you probably get this

175

00:08:29,480 --> 00:08:26,280

yourself of being a climate change

176

00:08:31,040 --> 00:08:29,490

skeptic oh you skeptics you don't even

177

00:08:33,920 --> 00:08:31,050

believe we went to the moon or oh you

178

00:08:35,630 --> 00:08:33,930

skeptics you're skeptical about climate

179

00:08:39,469 --> 00:08:35,640

change so the Australian skeptics have

180

00:08:42,680 --> 00:08:39,479

put out a strong statement reinforcing

181

00:08:44,269 --> 00:08:42,690

the fact that no that that doesn't mean

182

00:08:46,510 --> 00:08:44,279

that the Australian skeptics or

183

00:08:49,490 --> 00:08:46,520

skeptical groups or organizations are

184

00:08:52,880 --> 00:08:49,500

skeptical of fill in the dots dot dot

185

00:08:54,310 --> 00:08:52,890

dot climate change or people going to

186

00:08:57,139 --> 00:08:54,320

the moon or whatever the case may be

187

00:09:00,710 --> 00:08:57,149

actually one of the strangest examples I

188

00:09:03,110 --> 00:09:00,720

ever had of that was somebody said to me

189

00:09:06,650 --> 00:09:03,120

once you skeptics you'd thought the

190

00:09:09,230 --> 00:09:06,660

world was flat what do you say to that

191

00:09:11,600 --> 00:09:09,240

you skeptics he once thought the world

192

00:09:15,740 --> 00:09:11,610

was flat

193

00:09:17,720 --> 00:09:15,750

yeah okay or speaking of that those of

194

00:09:20,290 --> 00:09:17,730

you who have Netflix if you have not

195

00:09:24,500 --> 00:09:20,300

seen the documentary beyond the curve

196

00:09:27,170 --> 00:09:24,510

then I can thoroughly recommend that it

197

00:09:29,449 --> 00:09:27,180

is really a fascinating insight into

198

00:09:31,579 --> 00:09:29,459

psychology more than anything else I

199

00:09:33,500 --> 00:09:31,589

think and it's getting quite a bit of

200

00:09:38,060 --> 00:09:33,510

notoriety for the fact that right at the

201
00:09:40,790 --> 00:09:38,070
end of the documentary we have flat

202
00:09:44,800 --> 00:09:40,800
earth proponents trying to prove their

203
00:09:47,870 --> 00:09:44,810
point of view using science and the

204
00:09:49,460 --> 00:09:47,880
amazing results they get anyway I can

205
00:09:51,590 --> 00:09:49,470
recommend it beyond the curve which is

206
00:09:54,259 --> 00:09:51,600
available at the moment on Netflix and

207
00:09:58,130 --> 00:09:54,269
it may be available on other platforms

208
00:10:00,560 --> 00:09:58,140
to stay tuned at the end of the show for

209
00:10:02,630 --> 00:10:00,570
more announcements from me but now it's

210
00:10:06,050 --> 00:10:02,640
time for me to run upstairs

211
00:10:08,900 --> 00:10:06,060
oh yes run upstairs this time have me a

212
00:10:11,090 --> 00:10:08,910
nice cup of coffee and a bagel while I

213
00:10:11,690 --> 00:10:11,100

do that I hope you enjoy the skeptic

214

00:10:19,210 --> 00:10:11,700

zone

215

00:10:33,820 --> 00:10:19,220

[Music]

216

00:10:35,920 --> 00:10:33,830

now here's a quick note regarding a past

217

00:10:38,410 --> 00:10:35,930

bent spoon winner

218

00:10:40,720 --> 00:10:38,420

the Australian skeptics Bend spoon award

219

00:10:42,690 --> 00:10:40,730

for the perpetrator of the most

220

00:10:45,760 --> 00:10:42,700

preposterous piece of paranormal

221

00:10:48,310 --> 00:10:45,770

pseudo-scientific biffle a few years

222

00:10:52,810 --> 00:10:48,320

back this was won by celebrity chef Hiep

223

00:10:56,320 --> 00:10:52,820

evans and as we note published in Daily

224

00:11:00,519 --> 00:10:56,330

Telegraph by Jane Hansen celebrity chef

225

00:11:02,750 --> 00:11:00,529

P Devon's supports anti-vaxxer pull

226

00:11:06,100 --> 00:11:02,760

check on social media

227

00:11:13,040 --> 00:11:10,040

anti-flu ride auntie sunscreen anti

228

00:11:16,280 --> 00:11:13,050

dairy celebrity chef Pete Evans has now

229

00:11:18,740 --> 00:11:16,290

revealed his anti vaccination stripes in

230

00:11:21,620 --> 00:11:18,750

a post supporting well-known anti-vaxxer

231

00:11:23,960 --> 00:11:21,630

poll check who has not vaccinated his

232

00:11:27,760 --> 00:11:23,970

own children and supports the widely

233

00:11:31,720 --> 00:11:27,770

panned conspiracy movement VAX

234

00:11:35,120 --> 00:11:31,730

check a holistic health practitioner

235

00:11:37,940 --> 00:11:35,130

exercise coach and registered Native

236

00:11:40,970 --> 00:11:37,950

American spirit guide and medicine man

237

00:11:43,900 --> 00:11:40,980

has claimed quote your health is being

238

00:11:46,580 --> 00:11:43,910

stolen din quote due to vaccinations

239

00:11:49,010 --> 00:11:46,590

mister check endorses the Baxter

240

00:11:51,320 --> 00:11:49,020

documentary view that immunisation

241

00:11:53,800 --> 00:11:51,330

causes autism a link that has been

242

00:11:57,950 --> 00:11:53,810

disproved in over 100 large

243

00:12:01,100 --> 00:11:57,960

epidemiological studies mr. evans the My

244

00:12:03,050 --> 00:12:01,110

Kitchen Rules star posted his

245

00:12:06,640 --> 00:12:03,060

endorsement of poor checks recent

246

00:12:11,150 --> 00:12:06,650

podcast with dr. Shari Tenpenny to his

247

00:12:13,610 --> 00:12:11,160

1.5 million Facebook followers and two

248

00:12:16,120 --> 00:12:13,620

hundred and seven thousand Instagram

249

00:12:21,950 --> 00:12:19,340

so I'm sure there's gonna be more about

250

00:12:24,740 --> 00:12:21,960

that if that is the case but an update

251
00:12:27,210 --> 00:12:24,750
from one of our paid spoon winners or

252
00:12:29,710 --> 00:12:27,220
about one of our pin spoon winners

253
00:12:36,069 --> 00:12:29,720
celebrity chef Pete Evans

254
00:12:40,669 --> 00:12:38,780
hi I'm Darrin McKee one of the hosts of

255
00:12:42,410 --> 00:12:40,679
the reality check each week my co-host

256
00:12:43,999 --> 00:12:42,420
and I explore a range of controversies

257
00:12:45,499 --> 00:12:44,009
and curiosities using science and

258
00:12:47,389 --> 00:12:45,509
critical thinking you can find us on

259
00:12:49,009 --> 00:12:47,399
iTunes your favorite podcasting platform

260
00:12:50,569 --> 00:12:49,019
and on Facebook by searching for the

261
00:12:53,090 --> 00:12:50,579
reality check or by following us on

262
00:12:54,739 --> 00:12:53,100
Twitter at TRC underscore podcast until

263
00:13:15,769 --> 00:12:54,749

then keep an open mind but not so open

264

00:13:24,079 --> 00:13:15,779

your brain falls out life is wild with

265

00:13:27,319 --> 00:13:24,089

Michele Franklin do you live in a place

266

00:13:30,259 --> 00:13:27,329

that's unique you have the best beaches

267

00:13:32,629 --> 00:13:30,269

or the funniest traditions do you have

268

00:13:36,079 --> 00:13:32,639

the coolest origin story or maybe even

269

00:13:39,979 --> 00:13:36,089

the most extreme weather I bet you do

270

00:13:41,960 --> 00:13:39,989

and I know I do I think most people

271

00:13:43,939 --> 00:13:41,970

probably think there's some aspect of

272

00:13:47,210 --> 00:13:43,949

their home or their community or their

273

00:13:49,519 --> 00:13:47,220

country or their town that's special

274

00:13:52,129 --> 00:13:49,529

that makes them feel either proud or

275

00:13:56,199 --> 00:13:52,139

maybe even ashamed but there's something

276

00:13:59,269 --> 00:13:56,209

really unique about their own situation

277

00:14:01,879 --> 00:13:59,279

picture the memes a photo of someone

278

00:14:04,909 --> 00:14:01,889

doing something particularly stupid or

279

00:14:09,079 --> 00:14:04,919

something embarrassing maybe something

280

00:14:13,970 --> 00:14:09,089

hilarious but always unique and the

281

00:14:15,289 --> 00:14:13,980

caption says only in wherever and I bet

282

00:14:17,079 --> 00:14:15,299

if you think about it you can come up

283

00:14:20,509 --> 00:14:17,089

with a few examples from your own life

284

00:14:22,789 --> 00:14:20,519

I'll tell you a couple of mine I live

285

00:14:27,350 --> 00:14:22,799

near Darwin now weather is usually

286

00:14:30,559 --> 00:14:27,360

either hot and wet or hot and dry and we

287

00:14:32,239 --> 00:14:30,569

have cyclones and crocodiles discounting

288

00:14:33,909 --> 00:14:32,249

the fact that we can only survive in a

289

00:14:36,559 --> 00:14:33,919

temperature range of about 6 degrees

290

00:14:38,720 --> 00:14:36,569

variation and snow would likely kill us

291

00:14:40,729 --> 00:14:38,730

we're pretty proud of our weather and

292

00:14:43,340 --> 00:14:40,739

our crocodiles and how they reflect on

293

00:14:45,710 --> 00:14:43,350

us as individuals we tend to think that

294

00:14:47,660 --> 00:14:45,720

we're better than the southerners which

295

00:14:50,600 --> 00:14:47,670

is basically a term that means

296

00:14:52,790 --> 00:14:50,610

anyone except for us and I say we

297

00:14:55,400 --> 00:14:52,800

because I totally buy into this madness

298

00:14:57,770 --> 00:14:55,410

I feel like the people around me are so

299

00:15:01,760 --> 00:14:57,780

much more clever and tough and cool than

300

00:15:03,950 --> 00:15:01,770

those other people from over there but

301
00:15:06,170 --> 00:15:03,960
in reality I know I'm no different from

302
00:15:08,510 --> 00:15:06,180
anyone else because I bet you could

303
00:15:11,000 --> 00:15:08,520
think of a similar list of things that

304
00:15:14,600 --> 00:15:11,010
make you and and your group better than

305
00:15:16,610 --> 00:15:14,610
everyone else - and that's okay we all

306
00:15:19,940 --> 00:15:16,620
have something that we hold onto you

307
00:15:21,710 --> 00:15:19,950
that we think makes us special even if

308
00:15:23,810 --> 00:15:21,720
it's as simple as living in a town with

309
00:15:26,680 --> 00:15:23,820
a funny sounding name and using that to

310
00:15:29,480 --> 00:15:26,690
get attention not that I would do that

311
00:15:31,670 --> 00:15:29,490
in recent years I've noticed an increase

312
00:15:34,880 --> 00:15:31,680
in the use of the term only in wherever

313
00:15:37,580 --> 00:15:34,890

as a meme for various socially

314

00:15:40,640 --> 00:15:37,590

agreed-upon topics for me it's usually

315

00:15:43,790 --> 00:15:40,650

only in Darwin or only in Australia and

316

00:15:46,040 --> 00:15:43,800

some photo or other of a crocodile or a

317

00:15:47,450 --> 00:15:46,050

snake or a spider or even a derelict

318

00:15:49,850 --> 00:15:47,460

looking person in a funny situation

319

00:15:51,740 --> 00:15:49,860

that's either surprising or funny I've

320

00:15:53,900 --> 00:15:51,750

seen a few versions of this from other

321

00:15:56,540 --> 00:15:53,910

places where other socially relevant

322

00:16:00,620 --> 00:15:56,550

situations sometimes involving politics

323

00:16:02,480 --> 00:16:00,630

or local culture or ridiculous hipsters

324

00:16:04,370 --> 00:16:02,490

and the amusing clothes that they wear

325

00:16:06,440 --> 00:16:04,380

and the crazy things that they eat from

326

00:16:09,860 --> 00:16:06,450

which are most definitely not real bowls

327

00:16:13,760 --> 00:16:09,870

but repeatedly I see the same recurring

328

00:16:15,710 --> 00:16:13,770

theme of only in wherever usually I find

329

00:16:17,810 --> 00:16:15,720

these names quite funny and I enjoy

330

00:16:20,570 --> 00:16:17,820

seeing crazy situations that other

331

00:16:22,850 --> 00:16:20,580

people deal with but I have a small

332

00:16:25,940 --> 00:16:22,860

issue with it and I guess it comes from

333

00:16:28,760 --> 00:16:25,950

knowing my own home well but being

334

00:16:30,560 --> 00:16:28,770

pretty naive of anywhere else I tend to

335

00:16:33,320 --> 00:16:30,570

believe the memes whenever I see them

336

00:16:36,700 --> 00:16:33,330

why would they lie except the ones that

337

00:16:39,560 --> 00:16:36,710

are from my town they're so often wrong

338

00:16:41,540 --> 00:16:39,570

so I can only assume that the ones from

339

00:16:43,610 --> 00:16:41,550

other places are likely are wrong as

340

00:16:45,200 --> 00:16:43,620

well the one that bothered me most

341

00:16:47,450 --> 00:16:45,210

recently was a photo of a large

342

00:16:50,240 --> 00:16:47,460

crocodile swimming very close to a small

343

00:16:52,340 --> 00:16:50,250

boat and the people in it calmly taking

344

00:16:55,250 --> 00:16:52,350

a photo rather than panicking and trying

345

00:16:58,180 --> 00:16:55,260

to escape this image has been shared by

346

00:17:01,310 --> 00:16:58,190

my local newspaper shared by my friends

347

00:17:03,770 --> 00:17:01,320

and in all of our local

348

00:17:07,610 --> 00:17:03,780

community groups on Facebook with the

349

00:17:09,530 --> 00:17:07,620

three famous words only in Darwin it's

350

00:17:11,360 --> 00:17:09,540

funny and all and it's good getting

351

00:17:14,150 --> 00:17:11,370

attention and scaring your southern

352

00:17:16,370 --> 00:17:14,160

relatives except that there was one

353

00:17:18,860 --> 00:17:16,380

minor problem the animal in the photo

354

00:17:21,740 --> 00:17:18,870

was an alligator so clearly it's not

355

00:17:24,470 --> 00:17:21,750

only in Darwin and it's not even in

356

00:17:26,449 --> 00:17:24,480

Darwin a similar one came up for me a

357

00:17:29,180 --> 00:17:26,459

few months back of a large crocodile

358

00:17:31,670 --> 00:17:29,190

swimming along in a marina with a dog in

359

00:17:33,350 --> 00:17:31,680

its mouth this time it was actually a

360

00:17:36,380 --> 00:17:33,360

real crocodile but it was clearly an

361

00:17:39,530 --> 00:17:36,390

American crocodile and again it says

362

00:17:41,900 --> 00:17:39,540

only in Darwin and the comments thread

363

00:17:43,520 --> 00:17:41,910

was full of down folk tagging their

364

00:17:46,060 --> 00:17:43,530

interstate and international friends

365

00:17:48,050 --> 00:17:46,070

saying see what we live with implying

366

00:17:50,810 --> 00:17:48,060

see how cool we are

367

00:17:52,730 --> 00:17:50,820

I even overheard a conversation where

368

00:17:55,220 --> 00:17:52,740

people were arguing over which local

369

00:17:57,110 --> 00:17:55,230

marina had been filmed at and people

370

00:17:59,030 --> 00:17:57,120

were convinced it would be on the news

371

00:18:00,770 --> 00:17:59,040

tomorrow not even checking the date to

372

00:18:03,200 --> 00:18:00,780

realize that the videos been circulating

373

00:18:05,480 --> 00:18:03,210

but quite a while already there's also

374

00:18:08,360 --> 00:18:05,490

one that came to me in an email

375

00:18:10,040 --> 00:18:08,370

where the stories hold of a crocodile in

376

00:18:14,050 --> 00:18:10,050

Queensland that had been injured and

377

00:18:16,820 --> 00:18:14,060

became tame and was now a friendly pet

378

00:18:18,860 --> 00:18:16,830

this time the story clearly named a

379

00:18:20,450 --> 00:18:18,870

specific river in Queenslanders and

380

00:18:23,150 --> 00:18:20,460

described the incident where the

381

00:18:26,960 --> 00:18:23,160

crocodile had been injured and this time

382

00:18:28,940 --> 00:18:26,970

it said only in North Queensland the

383

00:18:31,370 --> 00:18:28,950

relative who sent it to me had clearly

384

00:18:32,840 --> 00:18:31,380

not read the story closely enough to

385

00:18:35,540 --> 00:18:32,850

notice that the crocodiles name was

386

00:18:39,530 --> 00:18:35,550

poacher and the man who befriended him

387

00:18:42,560 --> 00:18:39,540

was Gilberto cheeto and it was also

388

00:18:44,960 --> 00:18:42,570

clearly an American crocodile he even

389

00:18:47,360 --> 00:18:44,970

has his own Wikipedia page that took me

390

00:18:49,070 --> 00:18:47,370

about one second to find on Google I've

391

00:18:51,410 --> 00:18:49,080

been stewing over this for a few weeks

392

00:18:53,270 --> 00:18:51,420

and wondering what it all means and I

393

00:18:54,800 --> 00:18:53,280

think I've decided that I need to stop

394

00:18:56,960 --> 00:18:54,810

sharing these memes and stop

395

00:18:59,720 --> 00:18:56,970

perpetuating the exceptionalism that I

396

00:19:02,570 --> 00:18:59,730

feel my town and by extension the people

397

00:19:04,520 --> 00:19:02,580

around me are worthy of because I can

398

00:19:06,380 --> 00:19:04,530

see that while it's fun to imply that

399

00:19:08,750 --> 00:19:06,390

we're special in unique for our weather

400

00:19:10,910 --> 00:19:08,760

and our wildlife it doesn't take long to

401
00:19:13,220 --> 00:19:10,920
realize that most of us don't actually

402
00:19:14,000 --> 00:19:13,230
recognize the difference between us and

403
00:19:16,880 --> 00:19:14,010
them

404
00:19:19,669 --> 00:19:16,890
we just keep telling ourselves that it's

405
00:19:21,680 --> 00:19:19,679
there and we're different and what their

406
00:19:24,320 --> 00:19:21,690
other I think what I've learned from

407
00:19:26,680 --> 00:19:24,330
this is that the image that we see is us

408
00:19:30,110 --> 00:19:26,690
and they the image that we see is them

409
00:19:32,000 --> 00:19:30,120
pretty much the same thing and as much

410
00:19:34,370 --> 00:19:32,010
as we tell ourselves that we're so

411
00:19:36,110 --> 00:19:34,380
different if you take down the labels

412
00:19:37,720 --> 00:19:36,120
and switch them around none of us can

413
00:20:06,230 --> 00:19:37,730

really tell the difference

414

00:20:10,710 --> 00:20:07,610

[Music]

415

00:20:12,270 --> 00:20:10,720

olice less habla Paola the Dallaire

416

00:20:15,270 --> 00:20:12,280

Moses with other Buenos Aires in

417

00:20:17,010 --> 00:20:15,280

Argentina when the couch ammos podcasts

418

00:20:20,370 --> 00:20:17,020

a couch Imola mimic a couch a todo el

419

00:20:22,620 --> 00:20:20,380

mundo como the skeptic zone ojala pueden

420

00:20:24,420 --> 00:20:22,630

venir a visit Ana's algun dia que hace

421

00:20:29,780 --> 00:20:24,430

para mo con nuestra Ricky Sima comida

422

00:20:33,750 --> 00:20:31,310

[Music]

423

00:20:35,880 --> 00:20:33,760

mientras tanto sugandha fruit and OD

424

00:20:46,390 --> 00:20:35,890

pseudo see same analogy NCI pensamiento

425

00:20:59,190 --> 00:20:56,060

[Music]

426
00:21:01,520 --> 00:20:59,200
from the website of Australian skeptics

427
00:21:05,250 --> 00:21:01,530
we read published on the 5th of March

428
00:21:08,330 --> 00:21:05,260
2019 by Tim Mendham review finds why

429
00:21:17,549 --> 00:21:08,340
Lehman ante VAX

430
00:21:20,070 --> 00:21:17,559
incomplete biased and flawed a recent

431
00:21:23,190 --> 00:21:20,080
study by four researchers has raised

432
00:21:25,649 --> 00:21:23,200
serious concerns over the notorious PhD

433
00:21:28,950 --> 00:21:25,659
thesis written by leading anti-vaxxer

434
00:21:30,960 --> 00:21:28,960
Judy why Lehman which earned her a PhD

435
00:21:32,159 --> 00:21:30,970
from the University of Wollongong in

436
00:21:35,250 --> 00:21:32,169
2015

437
00:21:37,470 --> 00:21:35,260
called quote a critical analysis of the

438
00:21:39,990 --> 00:21:37,480

australian government's rationale for

439

00:21:42,690 --> 00:21:40,000

its vaccination policy end quote

440

00:21:45,600 --> 00:21:42,700

while Eamon's thesis describes what she

441

00:21:48,419 --> 00:21:45,610

calls quote the political framework in

442

00:21:51,750 --> 00:21:48,429

which policy is affected by biased

443

00:21:55,230 --> 00:21:51,760

science or undone underfunded science

444

00:21:57,510 --> 00:21:55,240

end quote and claims quote the existence

445

00:22:00,060 --> 00:21:57,520

of institutional barriers to carrying

446

00:22:02,370 --> 00:22:00,070

out independent research including on

447

00:22:05,220 --> 00:22:02,380

topics unwelcome to groups with vested

448

00:22:08,220 --> 00:22:05,230

interests men quote she included

449

00:22:11,370 --> 00:22:08,230

collusion between health industry and

450

00:22:14,100 --> 00:22:11,380

health authorities particularly that the

451

00:22:16,890 --> 00:22:14,110

World Health Organization quote is

452

00:22:19,409 --> 00:22:16,900

perceived to be out of touch with global

453

00:22:21,960 --> 00:22:19,419

communities and it is controlled by the

454

00:22:24,870 --> 00:22:21,970

interests of corporations and the World

455

00:22:26,669 --> 00:22:24,880

Bank banquet why Lehman is also

456

00:22:29,010 --> 00:22:26,679

presenting herself as an expert witness

457

00:22:31,620 --> 00:22:29,020

in cases where parents disagree on

458

00:22:33,600 --> 00:22:31,630

vaccinating their children the recent

459

00:22:36,000 --> 00:22:33,610

study by three researchers from the

460

00:22:39,480 --> 00:22:36,010

faculty of medicine and health at Sydney

461

00:22:42,510 --> 00:22:39,490

University Kari Wiley Julie Liske

462

00:22:44,789 --> 00:22:42,520

and Margaret Burgess and professor Peter

463

00:22:46,380 --> 00:22:44,799

McIntyre director of the National Center

464

00:22:48,750 --> 00:22:46,390
for immunization research and

465

00:22:52,230 --> 00:22:48,760
surveillance was published this month in

466

00:22:55,919 --> 00:22:52,240
the vaccine Journal they described the

467

00:22:58,940 --> 00:22:55,929
thesis is based on quote in complete

468

00:23:02,250 --> 00:22:58,950
flawed technical assertions and quote

469

00:23:04,440 --> 00:23:02,260
quote this thesis is notable for its

470

00:23:07,320 --> 00:23:04,450
lack of evidence of a systematic

471

00:23:09,930 --> 00:23:07,330
literature review despite its extensive

472

00:23:11,910 --> 00:23:09,940
claims there is no primary research but

473

00:23:13,980 --> 00:23:11,920
there is abundant evidence of strong

474

00:23:17,160 --> 00:23:13,990
bias in selecting the literature cited

475

00:23:19,560 --> 00:23:17,170
and sometimes outright misrepresentation

476

00:23:22,260 --> 00:23:19,570

of the facts when quoted the study

477

00:23:24,840 --> 00:23:22,270

authors say that while Eamon's thesis

478

00:23:27,150 --> 00:23:24,850

has been downloaded more than twenty-one

479

00:23:29,130 --> 00:23:27,160

thousand times but to date there was no

480

00:23:31,770 --> 00:23:29,140

cite able peer-reviewed critical

481

00:23:34,980 --> 00:23:31,780

appraisal of the methodological rigor of

482

00:23:38,070 --> 00:23:34,990

the work quote our research with non

483

00:23:39,990 --> 00:23:38,080

vaccinating parents suggests that some

484

00:23:42,360 --> 00:23:40,000

are considering the thesis in their

485

00:23:44,160 --> 00:23:42,370

decision making and healthcare providers

486

00:23:46,530 --> 00:23:44,170

who may be questioned about it by

487

00:23:48,930 --> 00:23:46,540

vaccine hesitant parents have no such

488

00:23:52,380 --> 00:23:48,940

resource to aid their discussions end

489

00:23:55,530 --> 00:23:52,390

quote the thesis journey to final PhD

490

00:23:57,870 --> 00:23:55,540

status was not smooth based on documents

491

00:24:01,320 --> 00:23:57,880

released by the university under a jeep

492

00:24:04,140 --> 00:24:01,330

IP a Freedom of Information request one

493

00:24:06,000 --> 00:24:04,150

of two unnamed examiner's who reviewed

494

00:24:09,390 --> 00:24:06,010

the thesis suggested that it was

495

00:24:11,850 --> 00:24:09,400

definitely not worth of achieving PhD

496

00:24:13,200 --> 00:24:11,860

status and was more in line with a

497

00:24:16,350 --> 00:24:13,210

master's degree level

498

00:24:18,870 --> 00:24:16,360

the examiner expressed quote serious

499

00:24:20,880 --> 00:24:18,880

concern about the lack of engagement

500

00:24:23,430 --> 00:24:20,890

with existing literature and the lack of

501
00:24:25,950 --> 00:24:23,440
an appropriate theoretical framework in

502
00:24:28,230 --> 00:24:25,960
quote they also felt that the thesis

503
00:24:31,140 --> 00:24:28,240
showed no evidence that while Heymann

504
00:24:33,420 --> 00:24:31,150
conducted original research nor that it

505
00:24:35,370 --> 00:24:33,430
demonstrated that she had made quote a

506
00:24:37,920 --> 00:24:35,380
significant contribution to the

507
00:24:40,260 --> 00:24:37,930
knowledge of the subject in quote the

508
00:24:42,720 --> 00:24:40,270
university then sought a third review

509
00:24:44,970 --> 00:24:42,730
which likewise found problems with the

510
00:24:47,820 --> 00:24:44,980
thesis but after revisions it was

511
00:24:49,380 --> 00:24:47,830
approved for the award the doctorate was

512
00:24:53,280 --> 00:24:49,390
awarded through the Faculty of Law

513
00:24:56,550 --> 00:24:53,290

humanities and the arts ie not a

514

00:24:59,640 --> 00:24:56,560

scientific or medical faculty the study

515

00:25:01,860 --> 00:24:59,650

authors say that quote the quality of

516

00:25:04,290 --> 00:25:01,870

writing and presentation of the thesis

517

00:25:06,420 --> 00:25:04,300

is such that many of its arguments could

518

00:25:08,790 --> 00:25:06,430

seem less plausible to an examiner

519

00:25:11,670 --> 00:25:08,800

without specific content knowledge

520

00:25:14,310 --> 00:25:11,680

despite sound academic credentials our

521

00:25:16,320 --> 00:25:14,320

combined expertise vaccinology

522

00:25:18,060 --> 00:25:16,330

epidemiology and the history and

523

00:25:20,820 --> 00:25:18,070

practice of immunization policy

524

00:25:24,510 --> 00:25:20,830

development globally and you know

525

00:25:26,580 --> 00:25:24,520

social science and as PhD examiners both

526

00:25:28,919 --> 00:25:26,590

gives us detailed knowledge of the

527

00:25:31,860 --> 00:25:28,929

sources cited by the thesis and allows

528

00:25:34,860 --> 00:25:31,870

us to identify key deficiencies main

529

00:25:37,830 --> 00:25:34,870

quote they go on to say quote the thesis

530

00:25:39,930 --> 00:25:37,840

is presented as a critical analysis of

531

00:25:42,480 --> 00:25:39,940

the Australian Government's rationale

532

00:25:45,029 --> 00:25:42,490

for its vaccine policy a critical

533

00:25:47,880 --> 00:25:45,039

analysis should consider the merits and

534

00:25:50,340 --> 00:25:47,890

faults of an issue and be conducted in a

535

00:25:52,680 --> 00:25:50,350

way that is not designed to find only

536

00:25:56,190 --> 00:25:52,690

evidence for the writers predetermined

537

00:25:58,230 --> 00:25:56,200

conclusions quote this thesis does not

538

00:26:01,230 --> 00:25:58,240

include methods for assessing the

539

00:26:03,990 --> 00:26:01,240

literature does not discuss aspects of

540

00:26:07,169 --> 00:26:04,000

identified studies which may contradict

541

00:26:10,110 --> 00:26:07,179

one another or attempt to establish the

542

00:26:11,940 --> 00:26:10,120

quality of relevant studies rather the

543

00:26:14,610 --> 00:26:11,950

references used are highly selective

544

00:26:16,950 --> 00:26:14,620

only citing a small number of the

545

00:26:20,039 --> 00:26:16,960

available epidemiological studies and

546

00:26:22,710 --> 00:26:20,049

clinical trial reports all of which are

547

00:26:25,620 --> 00:26:22,720

interpreted to support conclusions which

548

00:26:28,230 --> 00:26:25,630

are predetermined in quota some have

549

00:26:30,870 --> 00:26:28,240

suggested that because the PhD was

550

00:26:34,260 --> 00:26:30,880

awarded through a humanities faculty it

551
00:26:36,390 --> 00:26:34,270
would not be expected to quote present a

552
00:26:39,960 --> 00:26:36,400
detailed and systematic literature

553
00:26:44,159 --> 00:26:39,970
review or undertake primary research and

554
00:26:46,320 --> 00:26:44,169
quote quote we argue that a thesis which

555
00:26:48,630 --> 00:26:46,330
explicitly sets out to examine

556
00:26:50,279 --> 00:26:48,640
government vaccination policies

557
00:26:52,860 --> 00:26:50,289
including an assertion on the

558
00:26:54,899 --> 00:26:52,870
underpinning scientific evidence and the

559
00:26:57,149 --> 00:26:54,909
stakeholders who have influence in the

560
00:26:59,490 --> 00:26:57,159
decision-making process irrespective of

561
00:27:01,440 --> 00:26:59,500
the faculty or discipline in which it is

562
00:27:03,539 --> 00:27:01,450
conducted should use methods for

563
00:27:06,600 --> 00:27:03,549

identifying and asserting scientific

564

00:27:09,000 --> 00:27:06,610

evidence of comparable rigor to those

565

00:27:14,770 --> 00:27:09,010

used by academic and scientific bodies

566

00:27:25,489 --> 00:27:21,940

[Music]

567

00:27:27,399 --> 00:27:25,499

hi this is Heidi Robertson from the

568

00:27:30,279 --> 00:27:27,409

Northern Rivers vaccination supporters

569

00:27:32,899 --> 00:27:30,289

we are a group of concerned citizens

570

00:27:35,479 --> 00:27:32,909

dedicated to promoting good science and

571

00:27:38,599 --> 00:27:35,489

common sense in our region the far north

572

00:27:40,159 --> 00:27:38,609

coast of New South Wales this area are

573

00:27:43,310 --> 00:27:40,169

famous for its natural beauty and

574

00:27:46,849 --> 00:27:43,320

relaxed lifestyle also has the lowest

575

00:27:49,129 --> 00:27:46,859

rates of vaccination in Australia we are

576

00:27:51,469 --> 00:27:49,139

out to change that by challenging the

577

00:27:53,149 --> 00:27:51,479

myths and misinformation and by

578

00:27:56,479 --> 00:27:53,159

providing good evidence-based

579

00:27:58,310 --> 00:27:56,489

information to the community we'd love

580

00:28:01,940 --> 00:27:58,320

for you no matter where you are in the

581

00:28:09,769 --> 00:28:01,950

world to join our fight please visit our

582

00:28:12,829 --> 00:28:09,779

webpage at WWF info we also have a link

583

00:28:15,469 --> 00:28:12,839

there to our Facebook page tweet us at

584

00:28:18,680 --> 00:28:15,479

in our FAQs supporters

585

00:28:20,919 --> 00:28:18,690

that's VIX and check us out on Wikipedia

586

00:28:26,490 --> 00:28:20,929

by searching for Northern Rivers

587

00:28:26,500 --> 00:28:38,260

[Music]

588

00:28:49,900 --> 00:28:45,370

oh hi I am here in Canberra and I'm

589

00:28:52,480 --> 00:28:49,910

speaking with Jose Marrero Marina three

590

00:28:54,430 --> 00:28:52,490

Gators nice to meet you all welcome to

591

00:28:59,080 --> 00:28:54,440

camera skeptics thank you so much for

592

00:29:00,220 --> 00:28:59,090

inviting us now can we just throw out

593

00:29:01,470 --> 00:29:00,230

it's gonna tell us a little bit about

594

00:29:05,830 --> 00:29:01,480

this yourselves

595

00:29:07,810 --> 00:29:05,840

well I'm scientist of my Spanish

596

00:29:09,730 --> 00:29:07,820

background you can tell about my accent

597

00:29:12,730 --> 00:29:09,740

that I've been working on the field of

598

00:29:15,390 --> 00:29:12,740

plant genetics for the last few years in

599

00:29:19,360 --> 00:29:15,400

a number of research organizations and

600

00:29:22,030 --> 00:29:19,370

we use GMOs regularly in our day-to-day

601
00:29:24,970 --> 00:29:22,040
work we thought in studying an

602
00:29:29,010 --> 00:29:24,980
initiative to promote and explain why

603
00:29:32,020 --> 00:29:29,020
emos are useful to people and society

604
00:29:34,180 --> 00:29:32,030
for my research using my molecular

605
00:29:36,490 --> 00:29:34,190
biology and I have moved to science

606
00:29:39,040 --> 00:29:36,500
communication and I'm working as a

607
00:29:42,190 --> 00:29:39,050
science illustrator and 3d animator a

608
00:29:45,580 --> 00:29:42,200
terrible design tourism you're here to

609
00:29:47,110 --> 00:29:45,590
talk today a special you run GMO only

610
00:29:50,260 --> 00:29:47,120
can you tell us a little bit about GMO

611
00:29:53,790 --> 00:29:50,270
only of course this is a small

612
00:29:57,910 --> 00:29:53,800
initiative of three three partners three

613
00:30:02,470 --> 00:29:57,920

scientists the working in plant genetics

614

00:30:04,810 --> 00:30:02,480

were exposed early to genetic technology

615

00:30:08,320 --> 00:30:04,820

biotechnology in aiding engineering

616

00:30:10,419 --> 00:30:08,330

genetic modification and we're aware of

617

00:30:13,060 --> 00:30:10,429

the benefits that the technology can

618

00:30:15,790 --> 00:30:13,070

bring to collapse in agriculture but

619

00:30:18,970 --> 00:30:15,800

also were worried or concerned about the

620

00:30:22,450 --> 00:30:18,980

slow adoption of these techniques due to

621

00:30:24,190 --> 00:30:22,460

the main streams concerns that exist in

622

00:30:27,070 --> 00:30:24,200

society so we can with this initiative

623

00:30:32,080 --> 00:30:27,080

to talk very clearly about GMOs explain

624

00:30:33,970 --> 00:30:32,090

things clearly to people I'm trying to

625

00:30:36,490 --> 00:30:33,980

promote the benefits that would have

626

00:30:39,370 --> 00:30:36,500

been seen is as being researchers we

627

00:30:41,710 --> 00:30:39,380

have seen all the benefits that EMS can

628

00:30:43,990 --> 00:30:41,720

have and all the bad press that

629

00:30:46,900 --> 00:30:44,000

being having another potential that it

630

00:30:49,840 --> 00:30:46,910

has so we tried to get to the general

631

00:30:52,470 --> 00:30:49,850

public and explain them what it is and

632

00:30:54,310 --> 00:30:52,480

what they can be use and why can be good

633

00:30:57,580 --> 00:30:54,320

why do you think there is such

634

00:30:59,800 --> 00:30:57,590

opposition to GMO I think there are a

635

00:31:03,190 --> 00:30:59,810

number of issues we discussed we will

636

00:31:04,950 --> 00:31:03,200

discuss today in the talk but in my

637

00:31:07,120 --> 00:31:04,960

opinion I think there is a lot of

638

00:31:09,640 --> 00:31:07,130

misunderstandings and different topic

639

00:31:11,890 --> 00:31:09,650

brought together into the e mo debate

640

00:31:14,710 --> 00:31:11,900

that are not necessarily linked with the

641

00:31:18,730 --> 00:31:14,720

biotechnology itself people mix things

642

00:31:21,550 --> 00:31:18,740

like this is only bringing benefit to

643

00:31:23,500 --> 00:31:21,560

big corporations all people bring things

644

00:31:26,230 --> 00:31:23,510

religious things like this is playing

645

00:31:29,620 --> 00:31:26,240

God but to be honest this is a

646

00:31:30,810 --> 00:31:29,630

technology the human has and is no

647

00:31:34,570 --> 00:31:30,820

difference to the use of mobile phones

648

00:31:37,030 --> 00:31:34,580

or the users all the things is just a

649

00:31:41,170 --> 00:31:37,040

tool and is how you use it to bring some

650

00:31:43,890 --> 00:31:41,180

benefits or negativity and in your world

651
00:31:47,860 --> 00:31:43,900
as a size communicator help you use your

652
00:31:50,760 --> 00:31:47,870
skills to promote GMO so I think our

653
00:31:54,370 --> 00:31:50,770
idea with the game only was making some

654
00:31:56,080 --> 00:31:54,380
impact phrases impact works trying to

655
00:31:59,440 --> 00:31:56,090
attract the people making it more

656
00:32:01,540 --> 00:31:59,450
attractive the the way of like for

657
00:32:03,700 --> 00:32:01,550
example with with the t-shirts the way

658
00:32:05,380 --> 00:32:03,710
of starting a conversation so you are

659
00:32:08,080 --> 00:32:05,390
wearing one of those teachers and people

660
00:32:10,210 --> 00:32:08,090
is asking you are normally mmm you are

661
00:32:11,860 --> 00:32:10,220
promoting the GMOs that that's we are

662
00:32:13,330 --> 00:32:11,870
why so that's when you start the

663
00:32:15,700 --> 00:32:13,340

conversation and try to display

664

00:32:18,370 --> 00:32:15,710

why we think they are good as a

665

00:32:22,600 --> 00:32:18,380

possibility and what do you think the

666

00:32:26,220 --> 00:32:22,610

biggest misconception about GMO I think

667

00:32:29,350 --> 00:32:26,230

the biggest misconception is thinking

668

00:32:33,490 --> 00:32:29,360

that is playing God I think it is

669

00:32:35,770 --> 00:32:33,500

because because since and firms have

670

00:32:38,170 --> 00:32:35,780

been insisting that the food that we are

671

00:32:41,260 --> 00:32:38,180

eating right now is totally different

672

00:32:44,020 --> 00:32:41,270

- let's call it natural way we'll be

673

00:32:46,740 --> 00:32:44,030

modifying in a different steps and now

674

00:32:48,850 --> 00:32:46,750

we can do this kind of steps faster but

675

00:32:52,060 --> 00:32:48,860

modification has been occurring because

676

00:32:54,630 --> 00:32:52,070

thus a lot of people in so we need to

677

00:32:57,010 --> 00:32:54,640

correct I felt as marina said

678

00:33:00,010 --> 00:32:57,020

distinguishing differentiate in this new

679

00:33:02,140 --> 00:33:00,020

way to create crops from the other way

680

00:33:04,000 --> 00:33:02,150

the people thing is more natural like

681

00:33:07,560 --> 00:33:04,010

traditional breeding of domestication

682

00:33:10,270 --> 00:33:07,570

while both things will go to the same

683

00:33:13,750 --> 00:33:10,280

finish line and the human has been very

684

00:33:15,190 --> 00:33:13,760

violent and I think that's it yeah okay

685

00:33:16,690 --> 00:33:15,200

well it looks like people are beginning

686

00:33:20,020 --> 00:33:16,700

to move in so I think we'll wrap this up

687

00:33:21,760 --> 00:33:20,030

so how can we can people find you and

688

00:33:25,090 --> 00:33:21,770

how can they find out more about GMO

689

00:33:29,140 --> 00:33:25,100

only well the issue where we'll be in

690

00:33:31,180 --> 00:33:29,150

Google Guillermo only calm but also we

691

00:33:34,540 --> 00:33:31,190

are quite active in Twitter especially

692

00:33:39,190 --> 00:33:34,550

so it is he also to find our Google so

693

00:33:39,580 --> 00:33:39,200

if you will GM only ok thank you very

694

00:33:45,830 --> 00:33:39,590

much

695

00:33:52,070 --> 00:33:49,210

[Laughter]

696

00:33:55,460 --> 00:33:52,080

aliens are probing people and mutilating

697

00:33:57,620 --> 00:33:55,470

cows 9/11 was an inside job

698

00:34:00,320 --> 00:33:57,630

I'm the oppa to clean up my athlete's

699

00:34:02,990 --> 00:34:00,330

foot vaccines cause autism

700

00:34:06,140 --> 00:34:03,000

not all the sockets at clematis lawn is

701
00:34:07,880 --> 00:34:06,150
definitely real we all have friends and

702
00:34:10,520 --> 00:34:07,890
family who believe these things and much

703
00:34:12,590 --> 00:34:10,530
more well if you're a rational thinker

704
00:34:14,360 --> 00:34:12,600
who is tired of arguing on social media

705
00:34:16,580 --> 00:34:14,370
and never getting anywhere we have a

706
00:34:19,280 --> 00:34:16,590
solution for you join the guerrilla

707
00:34:21,650 --> 00:34:19,290
skepticism on wikipedia team and we will

708
00:34:23,780 --> 00:34:21,660
teach you how to add reliable scientific

709
00:34:25,600 --> 00:34:23,790
and skeptical information to the world's

710
00:34:28,220 --> 00:34:25,610
number-one source of information

711
00:34:30,290 --> 00:34:28,230
Wikipedia we write new articles and

712
00:34:32,300 --> 00:34:30,300
improve existing ones we remove

713
00:34:34,790 --> 00:34:32,310

pseudoscience paranormal and altmed

714

00:34:37,010 --> 00:34:34,800

claims substituting the actual facts and

715

00:34:39,020 --> 00:34:37,020

we operate in many languages we've

716

00:34:41,510 --> 00:34:39,030

already reached tens of millions of

717

00:34:43,310 --> 00:34:41,520

people searching for information but as

718

00:34:46,970 --> 00:34:43,320

you can imagine we can never do enough

719

00:34:49,280 --> 00:34:46,980

so please join us all you need is a PC a

720

00:34:51,740 --> 00:34:49,290

Facebook account and the desire to help

721

00:34:53,390 --> 00:34:51,750

educate the planet in fact you'll be

722

00:34:58,210 --> 00:34:53,400

educating the world while you sleep

723

00:35:01,810 --> 00:34:58,220

contact us at G is Oh W team @ gmail.com

724

00:35:08,850 --> 00:35:01,820

guerrilla skepticism the time is now

725

00:35:08,860 --> 00:35:24,900

[Music]

726

00:35:30,790 --> 00:35:27,720

now in the last week the world saw

727

00:35:34,330 --> 00:35:30,800

action being taken against climate

728

00:35:37,720 --> 00:35:34,340

change in the form of large protests by

729

00:35:40,210 --> 00:35:37,730

students all around the world Sydney

730

00:35:42,790 --> 00:35:40,220

Australia was no an exception but I

731

00:35:44,250 --> 00:35:42,800

noticed also in in Europe and across the

732

00:35:46,930 --> 00:35:44,260

United States and other countries

733

00:35:49,900 --> 00:35:46,940

students marching out of school too much

734

00:35:57,310 --> 00:35:49,910

in support of action against climate

735

00:35:59,680 --> 00:35:57,320

change and this prompts me to once again

736

00:36:03,460 --> 00:35:59,690

go to the website of Australian skeptic

737

00:36:05,230 --> 00:36:03,470

skeptics Comden au to read the statement

738

00:36:06,820 --> 00:36:05,240

a recent statement put out by the Strand

739

00:36:09,700 --> 00:36:06,830

skeptics about climate change

740

00:36:17,560 --> 00:36:09,710

Australian skeptics Inc statement on

741

00:36:20,080 --> 00:36:17,570

climate change in 2010 Australian

742

00:36:22,960 --> 00:36:20,090

skeptics Inc released a statement about

743

00:36:26,230 --> 00:36:22,970

the troubling use of the term skeptics

744

00:36:30,130 --> 00:36:26,240

spelt with a k or sceptics spelt with a

745

00:36:32,440 --> 00:36:30,140

C in the context of climate change we

746

00:36:36,510 --> 00:36:32,450

now expand our position on so-called

747

00:36:40,060 --> 00:36:36,520

quote climate change skepticism in quote

748

00:36:43,000 --> 00:36:40,070

after more than 60 years of research the

749

00:36:45,880 --> 00:36:43,010

agreement amongst scientists is that the

750

00:36:49,420 --> 00:36:45,890

climate is changing and that change is

751
00:36:51,610 --> 00:36:49,430
mostly human-induced the agreement is as

752
00:36:55,080 --> 00:36:51,620
strong as that concerning evolution and

753
00:36:58,150 --> 00:36:55,090
the safety and efficacy of vaccines

754
00:37:01,290 --> 00:36:58,160
among experts disagreement about the

755
00:37:03,640 --> 00:37:01,300
core elements is almost non-existent

756
00:37:06,160 --> 00:37:03,650
scientists have been cautious in their

757
00:37:08,800 --> 00:37:06,170
assessment of the evidence over time

758
00:37:12,160 --> 00:37:08,810
most observations have turned out to be

759
00:37:14,740 --> 00:37:12,170
in the worst case range of predictions a

760
00:37:17,680 --> 00:37:14,750
far cry from the alarmism climate

761
00:37:19,750 --> 00:37:17,690
scientists are often accused off it is

762
00:37:22,230 --> 00:37:19,760
not just scientists that treat climate

763
00:37:23,990 --> 00:37:22,240

change is real and a serious threat

764

00:37:26,720 --> 00:37:24,000

organizations around the

765

00:37:28,820 --> 00:37:26,730

from militaries to food manufacturers to

766

00:37:31,190 --> 00:37:28,830

insurance companies are factoring the

767

00:37:34,580 --> 00:37:31,200

scientific predictions into their

768

00:37:37,490 --> 00:37:34,590

planning from a practical perspective we

769

00:37:41,750 --> 00:37:37,500

can indeed we must take climate change

770

00:37:43,609 --> 00:37:41,760

and its human cause as fact Australian

771

00:37:47,330 --> 00:37:43,619

skeptics Inc views climate change

772

00:37:49,250 --> 00:37:47,340

skepticism as a form of denialism like

773

00:37:52,280 --> 00:37:49,260

creationism and anti vaccination

774

00:37:54,849 --> 00:37:52,290

rhetoric it ignores the experts in the

775

00:37:57,770 --> 00:37:54,859

relevant fields and engages in

776

00:38:00,589 --> 00:37:57,780

conspiratorial thinking Australian

777

00:38:03,440 --> 00:38:00,599

skeptic Inc recognizes anthropogenic

778

00:38:05,810 --> 00:38:03,450

climate change as a pressing global

779

00:38:07,910 --> 00:38:05,820

concern we urge individuals

780

00:38:10,099 --> 00:38:07,920

organizations and governments to

781

00:38:12,710 --> 00:38:10,109

prioritize limiting greenhouse gas

782

00:38:21,320 --> 00:38:12,720

emissions and mitigate their negative

783

00:38:22,790 --> 00:38:21,330

effects and that is which is very

784

00:38:25,190 --> 00:38:22,800

relevant at the moment the Australian

785

00:38:27,910 --> 00:38:25,200

skeptics Inc statement on climate change

786

00:38:33,990 --> 00:38:27,920

and you can read that for yourself at

787

00:38:54,460 --> 00:38:36,640

[Music]

788

00:38:58,150 --> 00:38:54,470

I reach it

789

00:38:59,559 --> 00:38:58,160

oh hi Trish hi would you like a coffee

790

00:39:01,960 --> 00:38:59,569

yeah thanks what are you working on I'm

791

00:39:03,809 --> 00:39:01,970

trying to come up with a new promo to

792

00:39:07,180 --> 00:39:03,819

play on the sceptic zone who's it for

793

00:39:09,910 --> 00:39:07,190

the good thinking society in the UK you

794

00:39:11,680 --> 00:39:09,920

know the oh yeah I know them the guys

795

00:39:13,750 --> 00:39:11,690

who recently chased the homeopaths out

796

00:39:15,819 --> 00:39:13,760

of the UK Public Health System oh did

797

00:39:17,019 --> 00:39:15,829

they yeah they campaigned and lobbied

798

00:39:20,170 --> 00:39:17,029

government for a while and now you

799

00:39:21,490 --> 00:39:20,180

cannot get homeopathy on the NHS so they

800

00:39:23,500 --> 00:39:21,500

can now spend public money on health

801
00:39:25,870 --> 00:39:23,510
care that works Yeah right look I'll

802
00:39:30,430 --> 00:39:25,880
mention that in the promo now their

803
00:39:32,289 --> 00:39:30,440
website is good thinking Society org and

804
00:39:34,750 --> 00:39:32,299
that website is a good resource for

805
00:39:36,250 --> 00:39:34,760
learning more about quackery thanks

806
00:39:41,970 --> 00:39:36,260
Trish that gives me something good to

807
00:39:41,980 --> 00:39:50,650
[Music]

808
00:39:56,089 --> 00:39:53,390
thank you for listening to the skeptic

809
00:39:58,370 --> 00:39:56,099
zone and as you would have heard earlier

810
00:40:00,859 --> 00:39:58,380
in the show interviews from me

811
00:40:02,390 --> 00:40:00,869
Canberra skeptics and their meetups

812
00:40:05,449 --> 00:40:02,400
their meetings there's another one

813
00:40:08,329 --> 00:40:05,459

coming along on the 16th of April so

814

00:40:10,689 --> 00:40:08,339

early notification for this may the odds

815

00:40:15,019 --> 00:40:10,699

be ever in your favor

816

00:40:17,870 --> 00:40:15,029

superstitions and elite athletes elite

817

00:40:21,559 --> 00:40:17,880

sport as a healthy dose of uncertainty

818

00:40:23,449 --> 00:40:21,569

and the stakes are high athletes train

819

00:40:26,630 --> 00:40:23,459

hard to prepare mentally and physically

820

00:40:29,239 --> 00:40:26,640

to perform on the world stage learning

821

00:40:31,969 --> 00:40:29,249

to manage anxiety and get in the zone

822

00:40:34,609 --> 00:40:31,979

ooh maybe even in the sceptic zone is

823

00:40:37,459 --> 00:40:34,619

one way that sports psychologists help

824

00:40:39,439 --> 00:40:37,469

athletes Christine Dunn is a sports

825

00:40:42,019 --> 00:40:39,449

psychologist working in the Australian

826

00:40:43,670 --> 00:40:42,029

Capital Territory Academy of Sport she

827

00:40:47,059 --> 00:40:43,680

has worked in the Australian and British

828

00:40:49,479 --> 00:40:47,069

elite sport systems with previous roles

829

00:40:52,069 --> 00:40:49,489

at the Scottish Institute of Sport and

830

00:40:54,620 --> 00:40:52,079

Australian Institute of Sport well what

831

00:40:59,749 --> 00:40:54,630

that looks like a fascinating talk again

832

00:41:02,689 --> 00:40:59,759

if you head to wwk embrace skeptics org

833

00:41:04,339 --> 00:41:02,699

or look them up on Meetup you can find

834

00:41:07,849 --> 00:41:04,349

out more about that meeting that talk

835

00:41:11,140 --> 00:41:07,859

coming up on the 16th of April and thank

836

00:41:15,140 --> 00:41:11,150

you to those people because I was up

837

00:41:17,749 --> 00:41:15,150

very late last night I was up very late

838

00:41:21,799 --> 00:41:17,759

last night who went along to Maenads

839

00:41:24,349 --> 00:41:21,809

Love Shack in glebe just on Saturday

840

00:41:26,120 --> 00:41:24,359

night in Australia from the videos that

841

00:41:28,130 --> 00:41:26,130

were being streamed it looked like a

842

00:41:30,799 --> 00:41:28,140

great success everybody was having a

843

00:41:33,949 --> 00:41:30,809

huge time wish I could have been there

844

00:41:35,689 --> 00:41:33,959

sorry I wasn't there Maynard and I hope

845

00:41:37,759 --> 00:41:35,699

you have something like that again

846

00:41:39,680 --> 00:41:37,769

that was Maynard love shack but don't

847

00:41:42,140 --> 00:41:39,690

forget to check out maynard's podcasts

848

00:41:44,660 --> 00:41:42,150

and other work at Maynard comm dot au

849

00:41:46,459 --> 00:41:44,670

and I know I speak for Maynard when I

850

00:41:49,609 --> 00:41:46,469

say thank you to all those people who

851

00:41:52,400 --> 00:41:49,619

support his podcasts and the skeptic

852

00:41:54,650 --> 00:41:52,410

zone via patreon or PayPal and you can

853

00:41:58,189 --> 00:41:54,660

do that with the skeptic zone anyway at

854

00:42:02,630 --> 00:41:58,199

skeptic zone TV without the people who

855

00:42:02,870 --> 00:42:02,640

do contribute who do subscribe they

856

00:42:05,359 --> 00:42:02,880

would

857

00:42:07,130 --> 00:42:05,369

be no skeptic zone I hope to in the

858

00:42:09,380 --> 00:42:07,140

coming weeks once again visit the

859

00:42:11,660 --> 00:42:09,390

National Center for Science education in

860

00:42:13,999 --> 00:42:11,670

Oakland and talk to more of the

861

00:42:16,759 --> 00:42:14,009

fascinating researchers and scientists

862

00:42:18,499 --> 00:42:16,769

who work there as well as looking

863

00:42:21,380 --> 00:42:18,509

forward to some more reports coming in

864

00:42:24,529 --> 00:42:21,390

from my various reporters scattered

865

00:42:27,019 --> 00:42:24,539

around the world well mostly in

866

00:42:28,849 --> 00:42:27,029

Australia but for this week

867

00:42:35,720 --> 00:42:28,859

this is Richard Saunders signing off

868

00:42:37,519 --> 00:42:35,730

from the Bay Area San Francisco you've

869

00:42:41,749 --> 00:42:37,529

been listening to the skeptic zone

870

00:42:45,319 --> 00:42:41,759

podcast please visit our website at WWF

871

00:42:47,900 --> 00:42:45,329

Tech's on TV for show notes contacts and

872

00:42:51,980 --> 00:42:47,910

to access the bat catalog of episodes

873

00:42:53,920 --> 00:42:51,990

going back to 2008 you can follow the

874

00:42:57,319 --> 00:42:53,930

skeptic zone podcast on twitter at

875

00:43:00,799 --> 00:42:57,329

skeptic zone visit our facebook page or

876

00:43:03,710 --> 00:43:00,809

leave a review on itunes you can also

877

00:43:06,740 --> 00:43:03,720

support the skeptic zone via patreon or

878

00:43:09,380 --> 00:43:06,750

PayPal the skeptic zone podcast is an

879

00:43:11,240 --> 00:43:09,390

independent production the views and

880

00:43:13,490 --> 00:43:11,250

opinions expressed on the skeptic zone

881

00:43:16,009 --> 00:43:13,500

are not necessarily those of Australian

882

00:43:18,750 --> 00:43:16,019

skeptics or any other sceptical

883

00:43:32,370 --> 00:43:29,220

oh he's doing his podcast yeah I

884

00:43:34,260 --> 00:43:32,380

recognize oh he gets in podcast mode I

885

00:43:35,670 --> 00:43:34,270

do and to those people who listen off

886

00:43:37,980 --> 00:43:35,680

for the music yes it's the dice game

887

00:43:41,520 --> 00:43:37,990

again I'm here with a Bay Area skeptics

888

00:43:43,230 --> 00:43:41,530

hi guy and it was what a thrill it was

889

00:43:44,850 --> 00:43:43,240

for me to give a talk here tonight in

890

00:43:47,040 --> 00:43:44,860

Berkeley about psychic detective

891

00:43:48,900 --> 00:43:47,050

fantastic thank you I really enjoy it

892

00:43:51,240 --> 00:43:48,910

it was a nice crowd that came up and I

893

00:43:53,040 --> 00:43:51,250

think there they injured it so anyway

894

00:43:54,660 --> 00:43:53,050

we're gonna do what we do occasionally

895

00:43:56,460 --> 00:43:54,670

on the Skip exam I've got a ten sided

896

00:43:59,430 --> 00:43:56,470

die right here can you all agree yes

897

00:44:01,560 --> 00:43:59,440

they're all examining intention so all

898

00:44:02,880 --> 00:44:01,570

those people who think I'd cheat I've

899

00:44:05,040 --> 00:44:02,890

got my referees here

900

00:44:06,660 --> 00:44:05,050

Eugenie Scott would you do the honors

901
00:44:08,520 --> 00:44:06,670
now Eugene he's gonna roll the die the

902
00:44:11,550 --> 00:44:08,530
first time folks at home use your

903
00:44:13,590 --> 00:44:11,560
psychic predicting power will it be one

904
00:44:18,330 --> 00:44:13,600
to ten here we go genies rolling the

905
00:44:20,430 --> 00:44:18,340
dice and it's number say six six is the

906
00:44:23,250 --> 00:44:20,440
first number folks bill and your was

907
00:44:25,670 --> 00:44:23,260
gonna be six alright here we go the next

908
00:44:32,220 --> 00:44:28,740
seven so you're so smart I knew is gonna

909
00:44:37,079 --> 00:44:32,230
be something J you did six seven and

910
00:44:43,700 --> 00:44:37,089
eight six seven eight

911
00:44:50,960 --> 00:44:47,609
we might need six seven eight okay one

912
00:44:54,299 --> 00:44:50,970
more special roll of the dice here we go

913
00:44:56,069 --> 00:44:54,309

four oh there goes that know what

914

00:44:58,470 --> 00:44:56,079

everybody in the room gets a turn here

915

00:45:01,650 --> 00:44:58,480

we go one more one more folks at home

916

00:45:04,680 --> 00:45:01,660

five one so there goes that straight

917

00:45:14,339 --> 00:45:04,690

theory now that we define we needed a

918

00:45:21,990 --> 00:45:14,349

five well that's right well you go I

919

00:45:23,849 --> 00:45:22,000

knew all the time come on obvious Oh

920

00:45:26,999 --> 00:45:23,859

someone who doesn't listen to the bid

921

00:45:29,789 --> 00:45:27,009

after the music of the booth okay so the

922

00:45:31,380 --> 00:45:29,799

game is I play with the audience to use

923

00:45:32,970 --> 00:45:31,390

your predicting power and see if you can

924

00:45:34,559 --> 00:45:32,980

use your psychic power to predict what

925

00:45:36,539 --> 00:45:34,569

I'm going to roll with the die and

926
00:45:39,630 --> 00:45:36,549
you've got a one in ten shot and people

927
00:45:43,019 --> 00:45:39,640
play along and was it you were telling

928
00:45:45,269 --> 00:45:43,029
me yeah he got him alright one week

929
00:45:46,140 --> 00:45:45,279
showing I think the last one in January

930
00:45:51,240 --> 00:45:46,150
yeah yeah

931
00:45:55,230 --> 00:45:51,250
ticket so 1003 normally at 73 he got the

932
00:45:56,880 --> 00:45:55,240
mold correction Kenyan state lottery

933
00:46:00,660 --> 00:45:56,890
numbers for don't think I can repeat it

934
00:46:03,809 --> 00:46:00,670
so you just have to repeat lottery

935
00:46:05,490 --> 00:46:03,819
numbers I've tried I have not yet been

936
00:46:07,650 --> 00:46:05,500
successful I don't know if you've ever

937
00:46:11,190 --> 00:46:07,660
seen the Darren brown system the Darren

938
00:46:12,990 --> 00:46:11,200

brown show the system where he tosses a

939

00:46:14,759 --> 00:46:13,000

coin 10 times in a row and it comes up

940

00:46:16,550 --> 00:46:14,769

heads every time and then he explains

941

00:46:20,660 --> 00:46:16,560

how he does it

942

00:46:24,740 --> 00:46:20,670

he does it he does it absolutely no is

943

00:46:28,220 --> 00:46:24,750

it possible of course it's fun look is

944

00:46:31,430 --> 00:46:28,230

it inevitable yes so how does he do it

945

00:46:38,150 --> 00:46:31,440

the same way that you test psychic

946

00:46:40,220 --> 00:46:38,160

detectives perseverance only shows that

947

00:46:43,370 --> 00:46:40,230

part of the video it's fantastic

948

00:46:45,080 --> 00:46:43,380

tossing a basketball over behind your

949

00:46:47,480 --> 00:46:45,090

head and getting and you just film it

950

00:46:49,670 --> 00:46:47,490

film it villain film it and you keep the

951
00:46:53,180 --> 00:46:49,680
one that works yes what's the name of

952
00:46:57,590 --> 00:46:53,190
that met the mathematician from Stanford

953
00:47:00,590 --> 00:46:57,600
persi diaconis yeah he can flip he can

954
00:47:03,740 --> 00:47:00,600
flip yep

955
00:47:05,330 --> 00:47:03,750
cuz he's really good at practiced for a

956
00:47:07,970 --> 00:47:05,340
long time it's not like he's just taping

957
00:47:09,860 --> 00:47:07,980
the the hits so you know there are wait

958
00:47:11,600 --> 00:47:09,870
this is why we have magicians boys and

959
00:47:13,280 --> 00:47:11,610
girls here we have people who are very

960
00:47:15,110 --> 00:47:13,290
good at sleight of hand and very good at

961
00:47:16,580 --> 00:47:15,120
tricking and this is why folks if you

962
00:47:19,110 --> 00:47:16,590
live in the Bay Area you should join the