

Show 160

**THE
SKEPTIC
ZONE
PODCAST**

13 August 2017

www.skepticzone.tv

This week we chat to Natalie Newell from
The Science Enthusiast Podcast.

Ann Reid from the National Center for Science Education in the USA tells us about science outreach to schools.

Brew Ha Ha: Science in less time than it takes to order a coffee

Researchers have found a protein that mimics the effects of exercise on the heart, while it's great news for those with heart failure, it's not an excuse to skip your workouts.

Anti-vaccination advocate 'banned from Australia' after documentary tour.

Maynard's Spooky Action....

Maynard at Skeptics in the Pub - Do our pubbers have psychic powers?

1
00:00:09,110 --> 00:00:05,920

[Music]

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

welcome to the skeptic zone the podcast

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

from Australia for science and reason

4
00:00:16,870 --> 00:00:13,920

[Music]

5
00:00:23,290 --> 00:00:16,880

[Applause]

6
00:00:25,790 --> 00:00:23,300

[Music]

7
00:00:29,529 --> 00:00:25,800

yes it's the skeptic zone podcast

8
00:00:31,999 --> 00:00:29,539

episode number 464 the 13th of August

9
00:00:33,470 --> 00:00:32,009

2017 Richardson is here with you from

10
00:00:36,740 --> 00:00:33,480

Sydney Australia where the sun is

11
00:00:39,200 --> 00:00:36,750

shining down and the cats are happy I

12
00:00:41,390 --> 00:00:39,210

think these are both good things what's

13
00:00:43,819 --> 00:00:41,400

coming up on this week's episode of the

14

00:00:45,500 --> 00:00:43,829

skipper by the way the cats yeah yes

15

00:00:47,090 --> 00:00:45,510

stay tuned at the end of the show for

16

00:00:48,470 --> 00:00:47,100

news about the cats or something about

17

00:00:50,240 --> 00:00:48,480

the cats what's coming up

18

00:00:52,189 --> 00:00:50,250

on this week's episode of the skeptic

19

00:00:54,979 --> 00:00:52,199

zone podcast we're going to kick off

20

00:00:58,160 --> 00:00:54,989

with a or the last in fact the last

21

00:01:00,439 --> 00:00:58,170

interview recorded at the recent Nexus

22

00:01:02,630 --> 00:01:00,449

conference in New York I speak to

23

00:01:05,359 --> 00:01:02,640

Natalie Newell from the science

24

00:01:07,789 --> 00:01:05,369

enthusiast podcast it's one of the

25

00:01:10,760 --> 00:01:07,799

things I like about these conferences is

26
00:01:13,130 --> 00:01:10,770
meeting new and interesting people like

27
00:01:15,890 --> 00:01:13,140
Natalie you'll find out what the signs

28
00:01:19,310 --> 00:01:15,900
enthusiast podcast is all about coming

29
00:01:21,859 --> 00:01:19,320
up after that it's the conclusion of our

30
00:01:23,330 --> 00:01:21,869
series of interviews with Anne Reed the

31
00:01:25,219 --> 00:01:23,340
director of the National Center for

32
00:01:27,830 --> 00:01:25,229
Science education in Oakland California

33
00:01:31,190 --> 00:01:27,840
and to wrap things up and is going to

34
00:01:34,489 --> 00:01:31,200
tell us about some of the outreach some

35
00:01:37,880 --> 00:01:34,499
of the outreach programs being used in

36
00:01:40,609 --> 00:01:37,890
the United States and something to do

37
00:01:42,980 --> 00:01:40,619
with Captain Kirk an Iowa man it's

38
00:01:45,529 --> 00:01:42,990

brouhaha science this week with Casey

39

00:01:48,590 --> 00:01:45,539

Harrigan is there a shortcut to exercise

40

00:01:50,239 --> 00:01:48,600

is there a pill we can take to improve

41

00:01:52,879 --> 00:01:50,249

our heart health or something like that

42

00:01:55,550 --> 00:01:52,889

I wish there was I don't think there is

43

00:01:58,849 --> 00:01:55,560

find out with Brewhaha science from

44

00:02:01,639 --> 00:01:58,859

Australia science TV then we have the

45

00:02:04,879 --> 00:02:01,649

latest news and this convoluted bizarre

46

00:02:08,180 --> 00:02:04,889

story of the VAX team promoting this

47

00:02:11,059 --> 00:02:08,190

awful movie VAX up and down the east

48

00:02:14,300 --> 00:02:11,069

coast of Australia it turns out that

49

00:02:16,460 --> 00:02:14,310

upon leaving our country one of the team

50

00:02:18,410 --> 00:02:16,470

was told that she would be now denied

51
00:02:19,370 --> 00:02:18,420
entry back into the country for at least

52
00:02:23,270 --> 00:02:19,380
three years

53
00:02:25,430 --> 00:02:23,280
that's Polly tummy and I think she's one

54
00:02:28,339 --> 00:02:25,440
of the producers of the movie what an

55
00:02:30,830 --> 00:02:28,349
interesting development this is and a

56
00:02:33,220 --> 00:02:30,840
bit later on I'm going to try and stitch

57
00:02:35,720 --> 00:02:33,230
together all the the threads

58
00:02:37,970 --> 00:02:35,730
all the crumbs have been falling from

59
00:02:41,180 --> 00:02:37,980
the table of information to bring you a

60
00:02:43,100 --> 00:02:41,190
picture of what we think happened it's a

61
00:02:45,649 --> 00:02:43,110
little bit sketchy but what isn't

62
00:02:47,449 --> 00:02:45,659
sketchy is the fact that the government

63
00:02:48,680 --> 00:02:47,459

have banned this woman from coming back

64

00:02:51,110 --> 00:02:48,690
to Australia for at least three years

65

00:02:54,440 --> 00:02:51,120
for peddling her anti-vaccination

66

00:02:57,259 --> 00:02:54,450
rubbish then to ran off the show it's an

67

00:02:59,539 --> 00:02:57,269
extended Maynard spooky action may not

68

00:03:02,839 --> 00:02:59,549
at the pub we're just a couple of weeks

69

00:03:05,780 --> 00:03:02,849
ago we ran a series of psychic tests for

70

00:03:08,059 --> 00:03:05,790
the whole audience wow what a fun night

71

00:03:09,380 --> 00:03:08,069
that was one of the best times I've

72

00:03:11,390 --> 00:03:09,390
certainly had it skeptics in the pub

73

00:03:13,430 --> 00:03:11,400
with the help of my friend Ian Bryce

74

00:03:15,140 --> 00:03:13,440
from the Australian skeptics and also

75

00:03:18,770 --> 00:03:15,150
from the Australian skeptics Jessica

76

00:03:21,949 --> 00:03:18,780

hazard white we did Zener card test

77

00:03:24,830 --> 00:03:21,959

Cena's any card tests we did some water

78

00:03:27,440 --> 00:03:24,840

divining and we had a really good time

79

00:03:30,110 --> 00:03:27,450

and I hope and I hope you get some of

80

00:03:32,119 --> 00:03:30,120

the sense of the the great fun everybody

81

00:03:33,039 --> 00:03:32,129

had at skeptics in the pub when you hear

82

00:03:36,680 --> 00:03:33,049

Maynard's

83

00:03:39,140 --> 00:03:36,690

sideline commentary oh yes may now it's

84

00:03:43,190 --> 00:03:39,150

the only man I know who can do sideline

85

00:03:44,720 --> 00:03:43,200

commentary from a pub hmm and speaking

86

00:03:47,900 --> 00:03:44,730

of main art if you check out Maynard

87

00:03:51,199 --> 00:03:47,910

comm dot au I notice he's just put up a

88

00:03:53,509 --> 00:03:51,209

new video there how to clean vinyl

89

00:03:56,210 --> 00:03:53,519

records in case you wanted to know

90

00:03:58,599 --> 00:03:56,220

because Maynard has a fabulous

91

00:04:03,860 --> 00:03:58,609

collection of vinyl records which sadly

92

00:04:06,319 --> 00:04:03,870

got trapped got stuck in a flood flood

93

00:04:08,479 --> 00:04:06,329

damaged but Maynard has been spending

94

00:04:11,330 --> 00:04:08,489

weeks and weeks and weeks scrubbing his

95

00:04:13,189 --> 00:04:11,340

records he made a video to show you how

96

00:04:16,159 --> 00:04:13,199

to do it if you're interested

97

00:04:18,199 --> 00:04:16,169

Maynard comm dot a you check it out and

98

00:04:19,909 --> 00:04:18,209

of course it goes without saying you can

99

00:04:23,629 --> 00:04:19,919

also check out Maynard's award-winning

100

00:04:26,450 --> 00:04:23,639

podcast with Tim Ferguson from the Doug

101
00:04:28,339 --> 00:04:26,460
Anthony Allstars called bunga bunga stay

102
00:04:31,850 --> 00:04:28,349
tuned at the end of the episode for more

103
00:04:32,659 --> 00:04:31,860
news which has only just come to light

104
00:04:35,240 --> 00:04:32,669
today

105
00:04:38,620 --> 00:04:35,250
the day of recording I'll put that in at

106
00:04:41,450 --> 00:04:38,630
the end of this episode to do with

107
00:04:43,730 --> 00:04:41,460
vaccinations here in Australia but for

108
00:04:46,450 --> 00:04:43,740
now for now it's time for me to run

109
00:04:48,880 --> 00:04:46,460
downstairs run out the door

110
00:04:52,360 --> 00:04:48,890
run into my car drive down the street

111
00:04:58,440 --> 00:04:52,370
about four or five kilometres to a

112
00:05:04,680 --> 00:05:01,090
in the United States I'd say french

113
00:05:07,360 --> 00:05:04,690

fries hot chips with chicken salt

114

00:05:10,090 --> 00:05:07,370

shoestring mm-hmm oh boy

115

00:05:33,400 --> 00:05:10,100

well I quickly indulge in those chips I

116

00:05:35,250 --> 00:05:33,410

hope you enjoy the skeptics am looking

117

00:05:39,090 --> 00:05:35,260

at a sticker that says vaccines work

118

00:05:41,800 --> 00:05:39,100

GMOs are safe everything is a chemical

119

00:05:43,390 --> 00:05:41,810

it's an interesting sticker yeah I'm

120

00:05:45,460 --> 00:05:43,400

gonna peel that off and put it somewhere

121

00:05:46,990 --> 00:05:45,470

where everybody can read it I've got

122

00:05:49,510 --> 00:05:47,000

another leaflet here that says this

123

00:05:51,510 --> 00:05:49,520

science enthusiast podcast that sounds

124

00:05:54,670 --> 00:05:51,520

like a podcast I should be listening to

125

00:05:55,990 --> 00:05:54,680

is she saying it who do we have my name

126

00:05:57,730 --> 00:05:56,000

is Natalie Newell and I'm one of the

127

00:06:00,610 --> 00:05:57,740

co-hosts of the science enthusiast

128

00:06:02,830 --> 00:06:00,620

podcast and a filmmaker for movie

129

00:06:04,390 --> 00:06:02,840

science moms - a documentary that maybe

130

00:06:07,110 --> 00:06:04,400

you might be interested in hearing about

131

00:06:10,210 --> 00:06:07,120

- just gets better and better for

132

00:06:12,670 --> 00:06:10,220

ignorant fools like me tell me more

133

00:06:14,230 --> 00:06:12,680

about the podcast please so the podcast

134

00:06:16,750 --> 00:06:14,240

is something I've been doing with my

135

00:06:18,940 --> 00:06:16,760

friend Dan Broadbent who runs the a

136

00:06:22,360 --> 00:06:18,950

science enthusiast Facebook page and

137

00:06:24,010 --> 00:06:22,370

blog which he has this huge audience of

138

00:06:27,760 --> 00:06:24,020

it's getting close to a million people

139

00:06:30,760 --> 00:06:27,770

that follow his work on there that

140

00:06:34,150 --> 00:06:30,770

focuses on things like you know that

141

00:06:37,180 --> 00:06:34,160

GMOs are safe and vaccines work and all

142

00:06:40,420 --> 00:06:37,190

and also crossing over into the sort of

143

00:06:42,810 --> 00:06:40,430

atheist secular world - so he and I

144

00:06:45,190 --> 00:06:42,820

started this podcast a year ago just

145

00:06:47,970 --> 00:06:45,200

because we wanted to talk to each other

146

00:06:51,520 --> 00:06:47,980

about all of these things and then

147

00:06:56,140 --> 00:06:51,530

actually we started the podcast the week

148

00:06:58,480 --> 00:06:56,150

after last year's Nexus very young is

149

00:07:00,010 --> 00:06:58,490

the pretty young podcast and one of our

150

00:07:02,080 --> 00:07:00,020

actually the first guest that

151
00:07:05,080 --> 00:07:02,090
we had on the podcast as clay Jones who

152
00:07:08,020 --> 00:07:05,090
spoke here at Nexus this year and spoke

153
00:07:10,450 --> 00:07:08,030
last year and we just kind of got

154
00:07:12,460 --> 00:07:10,460
rolling and haven't stopped since that's

155
00:07:13,360 --> 00:07:12,470
a good thing I'm just briefly looking at

156
00:07:16,350 --> 00:07:13,370
some of the names here

157
00:07:20,200 --> 00:07:16,360
David Gorski you've got Cara Santa Maria

158
00:07:22,689 --> 00:07:20,210
Britt Hermes of course and Brits coming

159
00:07:24,249 --> 00:07:22,699
to Australia later this year to speak at

160
00:07:26,969 --> 00:07:24,259
the Australian skeptics international

161
00:07:28,960 --> 00:07:26,979
convention there's a big crossover

162
00:07:32,170 --> 00:07:28,970
skepticism isn't there well it's science

163
00:07:33,909 --> 00:07:32,180

really it is and so that's why I mean I

164

00:07:36,070 --> 00:07:33,919

I feel like what's nice about our

165

00:07:39,700 --> 00:07:36,080

podcast as we try to pull from these

166

00:07:42,010 --> 00:07:39,710

different worlds science skepticism the

167

00:07:44,860 --> 00:07:42,020

atheist and secular community sometimes

168

00:07:46,210 --> 00:07:44,870

we have authors come on our show just to

169

00:07:48,339 --> 00:07:46,220

talk about books that they've done that

170

00:07:50,499 --> 00:07:48,349

have just enough crossover with some of

171

00:07:53,230 --> 00:07:50,509

these topics to you know kind of build

172

00:07:56,890 --> 00:07:53,240

an audience I would say it's primarily

173

00:07:59,890 --> 00:07:56,900

an interview format so we have every

174

00:08:02,820 --> 00:07:59,900

episode has an interview and then we

175

00:08:06,100 --> 00:08:02,830

just we kind of banter about current

176

00:08:08,170 --> 00:08:06,110

event type of stuff we we do a silly

177

00:08:09,879 --> 00:08:08,180

segment called the god of the week every

178

00:08:14,709 --> 00:08:09,889

week because all the stories are kind of

179

00:08:16,089 --> 00:08:14,719

ridiculous and I yeah I would say that

180

00:08:17,499 --> 00:08:16,099

I'm embarrassed for some of the things

181

00:08:19,059 --> 00:08:17,509

that I say on there but it's like I

182

00:08:21,249 --> 00:08:19,069

don't necessarily have that much shame

183

00:08:24,700 --> 00:08:21,259

but we're all embarrassed about all we

184

00:08:25,899 --> 00:08:24,710

say on our podcast would be you can see

185

00:08:27,219 --> 00:08:25,909

the novellas in the corner they're

186

00:08:30,969 --> 00:08:27,229

always embarrassed about what they say

187

00:08:32,949 --> 00:08:30,979

on there so so yeah we it's like the two

188

00:08:34,480 --> 00:08:32,959

of Dan and I you know just having a good

189

00:08:37,480 --> 00:08:34,490

time talking to each other then we get

190

00:08:38,860 --> 00:08:37,490

some really fascinating people on they

191

00:08:41,260 --> 00:08:38,870

think that's the best thing about being

192

00:08:43,810 --> 00:08:41,270

able to do a podcast it's like having

193

00:08:46,569 --> 00:08:43,820

these big interesting conversations with

194

00:08:48,579 --> 00:08:46,579

people that you know are like that we

195

00:08:50,530 --> 00:08:48,589

admire that's good and what's your

196

00:08:54,670 --> 00:08:50,540

reaction being from the audience in the

197

00:08:58,510 --> 00:08:54,680

last year we it's weird because we

198

00:09:00,519 --> 00:08:58,520

actually have like fans sort of and this

199

00:09:01,900 --> 00:09:00,529

weekend people like some somebody came

200

00:09:05,079 --> 00:09:01,910

out to me like oh I recognize that voice

201
00:09:07,360 --> 00:09:05,089
from the podcast and so like that's so

202
00:09:09,370 --> 00:09:07,370
it's cool and I think that you know the

203
00:09:11,199 --> 00:09:09,380
conversations that we have are you know

204
00:09:12,550 --> 00:09:11,209
we we plan them but at the same time

205
00:09:15,040 --> 00:09:12,560
they're pretty candid and open

206
00:09:17,769 --> 00:09:15,050
and the reaction has been has been

207
00:09:19,150 --> 00:09:17,779
really positive that that's that's great

208
00:09:20,560 --> 00:09:19,160
and well folks that's something

209
00:09:22,720 --> 00:09:20,570
definitely worth checking out the

210
00:09:25,920 --> 00:09:22,730
science enthusiasts podcast and how can

211
00:09:28,870 --> 00:09:25,930
people check that out so we are on

212
00:09:30,430 --> 00:09:28,880
BlogTalkRadio iTunes where I guess just

213
00:09:33,700 --> 00:09:30,440

wherever podcasts are found science

214

00:09:35,800 --> 00:09:33,710

enthusiasts podcast we have a Facebook

215

00:09:38,650 --> 00:09:35,810

page for the science enthusiast podcast

216

00:09:42,310 --> 00:09:38,660

and also just follow a science

217

00:09:44,950 --> 00:09:42,320

enthusiast on on Facebook do you have a

218

00:09:46,450 --> 00:09:44,960

specific URL do you have a page as such

219

00:09:49,300 --> 00:09:46,460

or is it only through these other

220

00:09:50,800 --> 00:09:49,310

channels it's it's through those

221

00:09:54,040 --> 00:09:50,810

channels as we've now yeah we've now

222

00:09:55,720 --> 00:09:54,050

moved out like our main podcast sites a

223

00:09:57,730 --> 00:09:55,730

blog talk radio so well folks I'll

224

00:09:59,380 --> 00:09:57,740

include some links in this week's show

225

00:10:01,540 --> 00:09:59,390

notes but really if you just google the

226

00:10:03,940 --> 00:10:01,550

science enthusiast podcast I think you

227

00:10:05,350 --> 00:10:03,950

can't go wrong and I know you can't go

228

00:10:08,380 --> 00:10:05,360

wrong because their leaflet has a

229

00:10:10,630 --> 00:10:08,390

picture of a cat with a big pair of

230

00:10:13,060 --> 00:10:10,640

glasses and a bowtie it's the Internet

231

00:10:15,730 --> 00:10:13,070

so cats and cats have to be everywhere

232

00:10:17,590 --> 00:10:15,740

so if we've embraced that thank you very

233

00:10:20,230 --> 00:10:17,600

much and I hope you enjoy the rest of

234

00:10:34,329 --> 00:10:20,240

our Nexus thank you so much

235

00:10:37,249 --> 00:10:34,339

[Music]

236

00:10:40,009 --> 00:10:37,259

like watch your guide to quackery health

237

00:10:43,189 --> 00:10:40,019

fraud and intelligent decisions operated

238

00:10:45,079 --> 00:10:43,199

by Stephan Barratt MD quite watch is now

239

00:10:47,359 --> 00:10:45,089

an international network of people who

240

00:10:50,239 --> 00:10:47,369

concerned about health-related frauds

241

00:10:53,299 --> 00:10:50,249

myths fans fallacies and misconduct

242

00:10:55,309 --> 00:10:53,309

its primary focus is on quackery related

243

00:10:57,590 --> 00:10:55,319

information that is difficult or

244

00:11:00,979 --> 00:10:57,600

impossible to get elsewhere articles on

245

00:11:04,609 --> 00:11:00,989

quackery include quackery how should it

246

00:11:08,179 --> 00:11:04,619

be defined how it sells 26 ways to spot

247

00:11:10,699 --> 00:11:08,189

it how it comes cancer patients 7

248

00:11:13,160 --> 00:11:10,709

warning signs for bogus science why

249

00:11:16,160 --> 00:11:13,170

health professionals become quacks and

250

00:11:18,019 --> 00:11:16,170

many more including in-depth looks at

251

00:11:21,369 --> 00:11:18,029

thank you puncture chiropractic

252

00:11:25,720 --> 00:11:21,379

homeopathy naturopathy and much more

253

00:11:42,060 --> 00:11:25,730

visit www.gfi.com/webmonitor

254

00:11:46,930 --> 00:11:45,220

in this the final part of our series of

255

00:11:48,250 --> 00:11:46,940

interviews with Anne Reed from the

256

00:11:51,970 --> 00:11:48,260

National Center for science education

257

00:11:54,340 --> 00:11:51,980

and discusses the challenges and the

258

00:11:56,110 --> 00:11:54,350

promise of taking science to the people

259

00:11:57,990 --> 00:11:56,120

especially when it comes to reaching

260

00:12:03,180 --> 00:11:58,000

students

261

00:12:06,570 --> 00:12:03,190

[Music]

262

00:12:09,510 --> 00:12:06,580

I was talking about the fact that

263

00:12:11,100 --> 00:12:09,520

teachers are many many teachers are

264

00:12:13,590 --> 00:12:11,110

hedging when they teach evolution or

265

00:12:17,250 --> 00:12:13,600

climate change because of concern over

266

00:12:18,930 --> 00:12:17,260

community reaction right and so in

267

00:12:21,300 --> 00:12:18,940

addition to trying to reach out to

268

00:12:22,620 --> 00:12:21,310

teachers directly and and help them see

269

00:12:25,230 --> 00:12:22,630

that there are ways to teach these

270

00:12:27,630 --> 00:12:25,240

topics even in communities where they're

271

00:12:29,280 --> 00:12:27,640

afraid of hostility the other thing we

272

00:12:30,810 --> 00:12:29,290

wanted to do is work on the other side

273

00:12:34,410 --> 00:12:30,820

of that equation which is how can we

274

00:12:37,620 --> 00:12:34,420

engage communities so that they can

275

00:12:40,860 --> 00:12:37,630

demonstrate to teachers that they've got

276

00:12:43,020 --> 00:12:40,870

their backs that there are people in the

277

00:12:44,790 --> 00:12:43,030

community who care about science and

278

00:12:47,880 --> 00:12:44,800

care about evolution and climate change

279

00:12:51,000 --> 00:12:47,890

and who so that the teachers will feel

280

00:12:52,530 --> 00:12:51,010

like the only thing that happens if I

281

00:12:54,540 --> 00:12:52,540

teach that topic is somebody's going to

282

00:12:56,130 --> 00:12:54,550

come in and be pissed off that instead

283

00:12:58,530 --> 00:12:56,140

if I teach this topic some people are

284

00:13:00,270 --> 00:12:58,540

gonna be happy and that's and that would

285

00:13:02,820 --> 00:13:00,280

be a good thing so we started a program

286

00:13:05,190 --> 00:13:02,830

we call science booster clubs mm-hmm and

287

00:13:07,170 --> 00:13:05,200

I don't know if this is a thing in

288

00:13:08,970 --> 00:13:07,180

Australia but in the u.s. there are a

289

00:13:10,560 --> 00:13:08,980

lot of extracurricular activities in

290

00:13:12,990 --> 00:13:10,570

schools that are supported by parent

291

00:13:15,900 --> 00:13:13,000

groups okay sure there might be a

292

00:13:19,290 --> 00:13:15,910

football team or a cheerleading squad or

293

00:13:20,910 --> 00:13:19,300

band and the parents form a Booster Club

294

00:13:22,770 --> 00:13:20,920

and they have bake sales and they raise

295

00:13:25,740 --> 00:13:22,780

money and they buy uniforms so they pay

296

00:13:28,200 --> 00:13:25,750

for trips to out-of-state games or

297

00:13:30,810 --> 00:13:28,210

whatever so we thought we'll we'll use

298

00:13:33,750 --> 00:13:30,820

that model to organize communities into

299

00:13:35,790 --> 00:13:33,760

science booster clubs to support local

300

00:13:39,210 --> 00:13:35,800

science education so we started the

301
00:13:41,460 --> 00:13:39,220
program as a pilot in Iowa we started in

302
00:13:43,170 --> 00:13:41,470
Iowa for several reasons but the main

303
00:13:45,180 --> 00:13:43,180
one being that the woman we hired to run

304
00:13:46,800 --> 00:13:45,190
this program had just finished her

305
00:13:49,110 --> 00:13:46,810
postdoc there and had really good

306
00:13:51,690 --> 00:13:49,120
connections in the local schools but the

307
00:13:53,520 --> 00:13:51,700
other thing is Iowa is a great microcosm

308
00:13:55,710 --> 00:13:53,530
of the whole United States it's very

309
00:13:58,500 --> 00:13:55,720
liberal areas has very conservative

310
00:14:00,120 --> 00:13:58,510
areas so some Australians may have heard

311
00:14:03,740 --> 00:14:00,130
of it because of the Iowa caucuses it's

312
00:14:07,590 --> 00:14:03,750
the first presidential primary state

313
00:14:13,200 --> 00:14:07,600

south and comes from Iowa does it now I

314

00:14:15,120 --> 00:14:13,210

didn't know that wow that is a detail

315

00:14:16,570 --> 00:14:15,130

that I didn't know that Captain Kirk um

316

00:14:18,700 --> 00:14:16,580

anyway

317

00:14:21,900 --> 00:14:18,710

she started organizing these booster

318

00:14:24,700 --> 00:14:21,910

clubs and what they did was bring

319

00:14:27,100 --> 00:14:24,710

science activities to local community

320

00:14:27,610 --> 00:14:27,110

events like a farmers market or a County

321

00:14:31,780 --> 00:14:27,620

Fair

322

00:14:33,940 --> 00:14:31,790

or a public library and all of the

323

00:14:36,310 --> 00:14:33,950

activities are either about climate

324

00:14:39,400 --> 00:14:36,320

change or about evolution but they're

325

00:14:42,340 --> 00:14:39,410

very the approach is completely non

326

00:14:45,990 --> 00:14:42,350

confrontational but it we are absolutely

327

00:14:48,460 --> 00:14:46,000

rigorously no conflict this is about

328

00:14:49,900 --> 00:14:48,470

come and do this activity yourself come

329

00:14:52,090 --> 00:14:49,910

and bring your kid to do this activity

330

00:14:53,530 --> 00:14:52,100

engage with the science yourself and

331

00:14:55,600 --> 00:14:53,540

we're not going to tell you what to

332

00:14:57,640 --> 00:14:55,610

think we don't compromise the science

333

00:14:58,840 --> 00:14:57,650

it's not like we say some people say

334

00:15:01,060 --> 00:14:58,850

this and some people say that we're

335

00:15:02,350 --> 00:15:01,070

presenting the legitimate science but

336

00:15:04,660 --> 00:15:02,360

we're doing it in a way that allows

337

00:15:07,180 --> 00:15:04,670

people to to engage with it themselves

338

00:15:10,600 --> 00:15:07,190

so for example we have an activity

339

00:15:11,980 --> 00:15:10,610

called ocean acidification crisis now

340

00:15:13,990 --> 00:15:11,990

you might think that ocean acidification

341

00:15:19,630 --> 00:15:14,000

would not be a topic that would get a

342

00:15:22,270 --> 00:15:19,640

lot of pickup in Iowa but the activity

343

00:15:23,320 --> 00:15:22,280

is really fun so there's pickups okay

344

00:15:26,590 --> 00:15:23,330

with water in them

345

00:15:28,540 --> 00:15:26,600

straws pH paper so you take the pH of

346

00:15:30,730 --> 00:15:28,550

the water and then you blow bubbles for

347

00:15:35,590 --> 00:15:30,740

two minutes and then you take the pH

348

00:15:37,210 --> 00:15:35,600

again and it has it will have gone down

349

00:15:40,660 --> 00:15:37,220

or the water will have become more

350

00:15:43,260 --> 00:15:40,670

acidic so it's a it's a hands-on

351

00:15:46,720 --> 00:15:43,270

activity showing the effect of co2 on

352

00:15:48,490 --> 00:15:46,730

acidity and then you can talk about the

353

00:15:50,800 --> 00:15:48,500

fact that this is what happens when co2

354

00:15:54,640 --> 00:15:50,810

levels rise in the atmosphere the ocean

355

00:15:57,640 --> 00:15:54,650

absorbs that co2 and becomes more acidic

356

00:16:00,460 --> 00:15:57,650

or what so what then they have a series

357

00:16:02,740 --> 00:16:00,470

of jars with mussel shells in them at

358

00:16:05,260 --> 00:16:02,750

different PHS and show the muscle cells

359

00:16:08,910 --> 00:16:05,270

start to dissolve when the acidity is

360

00:16:12,130 --> 00:16:08,920

high so that people can make a

361

00:16:14,200 --> 00:16:12,140

one-to-one connection between what they

362

00:16:16,600 --> 00:16:14,210

just did with their breath and what

363

00:16:18,850 --> 00:16:16,610

happens in the ocean and then if they if

364

00:16:20,710 --> 00:16:18,860

they have the habit they have the

365

00:16:22,760 --> 00:16:20,720

possibility of it they'll have a little

366

00:16:25,400 --> 00:16:22,770

aquarium with a shrimp in it

367

00:16:28,220 --> 00:16:25,410

and say this is a shrimp everybody knows

368

00:16:29,390 --> 00:16:28,230

what a shrimp is although a shocking

369

00:16:32,090 --> 00:16:29,400

number of people are not aware that

370

00:16:34,340 --> 00:16:32,100

shrimp are animals so seeing the shrimp

371

00:16:36,650 --> 00:16:34,350

alive with its little legs is often kind

372

00:16:38,990 --> 00:16:36,660

of a aha moment what are people what do

373

00:16:41,710 --> 00:16:39,000

they think they are I don't know

374

00:16:44,660 --> 00:16:41,720

there's seafood maybe there are fish I

375

00:16:46,340 --> 00:16:44,670

don't know another shocking thing about

376

00:16:48,020 --> 00:16:46,350

the booster club activities is that one

377

00:16:49,940 --> 00:16:48,030

of the first activities was a greenhouse

378

00:16:53,240 --> 00:16:49,950

it just got a little portable greenhouse

379

00:16:55,970 --> 00:16:53,250

and would you take as many kids as you

380

00:16:58,670 --> 00:16:55,980

could pack in there and give them a co2

381

00:17:00,860 --> 00:16:58,680

monitor and a temperature gauge and have

382

00:17:02,690 --> 00:17:00,870

them stay in there for five minutes and

383

00:17:03,800 --> 00:17:02,700

show that the co2 level goes up and the

384

00:17:06,140 --> 00:17:03,810

temperature goes up in the greenhouse

385

00:17:12,860 --> 00:17:06,150

it's just again that sort of hands-on

386

00:17:14,570 --> 00:17:12,870

experience of of nature yes and we were

387

00:17:16,640 --> 00:17:14,580

shocked how many people that didn't know

388

00:17:19,480 --> 00:17:16,650

what a greenhouse was or didn't know

389

00:17:22,460 --> 00:17:19,490

that in a greenhouse it gets really hot

390

00:17:23,810 --> 00:17:22,470

so that what we got talked about at the

391

00:17:25,910 --> 00:17:23,820

very beginning about people being very

392

00:17:28,790 --> 00:17:25,920

alienated from science and really having

393

00:17:31,040 --> 00:17:28,800

had very little engagement with the

394

00:17:35,450 --> 00:17:31,050

natural world after they get out of

395

00:17:37,550 --> 00:17:35,460

school this is just being confirmed you

396

00:17:40,160 --> 00:17:37,560

know event after event after event it

397

00:17:44,360 --> 00:17:40,170

with these booster clubs but the cool

398

00:17:46,370 --> 00:17:44,370

thing is is that people love it every

399

00:17:47,870 --> 00:17:46,380

place that these booster clubs have done

400

00:17:51,290 --> 00:17:47,880

an activity they've been invited back

401
00:17:53,360 --> 00:17:51,300
that's good after about two months we

402
00:17:55,430 --> 00:17:53,370
didn't have to go out and hunt for

403
00:17:58,520 --> 00:17:55,440
places to put on our activities we were

404
00:18:00,980 --> 00:17:58,530
being asked to bring them even though

405
00:18:03,590 --> 00:18:00,990
we're bringing the highest conflict

406
00:18:05,570 --> 00:18:03,600
potentially highest conflict topics to

407
00:18:07,970 --> 00:18:05,580
areas where there's a lot of

408
00:18:10,340 --> 00:18:07,980
disagreement about these issues last

409
00:18:13,670 --> 00:18:10,350
summer we had a booth at the Iowa State

410
00:18:15,860 --> 00:18:13,680
Fair which is a huge deal something like

411
00:18:17,810 --> 00:18:15,870
a quarter of Iowa's population goes to

412
00:18:19,370 --> 00:18:17,820
the State Fair every year we had a booth

413
00:18:23,090 --> 00:18:19,380

on evolution

414

00:18:26,289 --> 00:18:23,100

at the Iowa State Fair about 10,000

415

00:18:32,210 --> 00:18:26,299

people visited that booth and we had no

416

00:18:34,310 --> 00:18:32,220

pushback we had no conflict um and so in

417

00:18:36,470 --> 00:18:34,320

the last two years these groups have now

418

00:18:39,409 --> 00:18:36,480

done these activities with about 80,000

419

00:18:42,770 --> 00:18:39,419

people in Iowa and they've raised money

420

00:18:44,210 --> 00:18:42,780

for teachers they've engaged local

421

00:18:46,279 --> 00:18:44,220

graduate students and given them an

422

00:18:48,860 --> 00:18:46,289

opportunity to learn how to do public

423

00:18:51,409 --> 00:18:48,870

engagement on even on high conflict

424

00:18:54,260 --> 00:18:51,419

issues so we're now expanding this

425

00:18:56,169 --> 00:18:54,270

concept to nine other states we're going

426

00:18:58,130 --> 00:18:56,179

from three clubs to 18 clubs this year

427

00:18:59,649 --> 00:18:58,140

we've set the whole thing up as a

428

00:19:02,210 --> 00:18:59,659

research project so we're measuring

429

00:19:03,770 --> 00:19:02,220

community scientific literacy and

430

00:19:05,060 --> 00:19:03,780

community science acceptance and the

431

00:19:08,299 --> 00:19:05,070

communities that have these booster

432

00:19:11,210 --> 00:19:08,309

clubs and ultimately our hope is that

433

00:19:14,419 --> 00:19:11,220

these clubs will help provide teachers

434

00:19:15,919 --> 00:19:14,429

again with the confidence to go ahead

435

00:19:18,620 --> 00:19:15,929

and teach these topics without being

436

00:19:21,230 --> 00:19:18,630

afraid so I just wanted to make sure

437

00:19:23,330 --> 00:19:21,240

that I got that in because it's some I

438

00:19:28,549 --> 00:19:23,340

think going to be a very powerful way to

439

00:19:31,190 --> 00:19:28,559

bring science to communities where we're

440

00:19:32,960 --> 00:19:31,200

in real danger of starting to think of

441

00:19:35,090 --> 00:19:32,970

ourselves as some people or pro-science

442

00:19:36,590 --> 00:19:35,100

and some people are anti science that's

443

00:19:38,419 --> 00:19:36,600

just not the experience that we're

444

00:19:40,310 --> 00:19:38,429

having in Iowa that people who are even

445

00:19:43,190 --> 00:19:40,320

in the most Republican parts of the

446

00:19:44,390 --> 00:19:43,200

state people love science and they love

447

00:19:45,560 --> 00:19:44,400

bringing their kids to science events

448

00:19:49,549 --> 00:19:45,570

and they love doing these activities

449

00:19:53,000 --> 00:19:49,559

themselves so we just can't afford to

450

00:19:54,740 --> 00:19:53,010

write them off and and say oh well

451
00:19:57,500 --> 00:19:54,750
they're anti science there's nothing we

452
00:19:59,720 --> 00:19:57,510
can do because we can we can't do

453
00:20:01,640 --> 00:19:59,730
something so we're pretty excited about

454
00:20:03,529 --> 00:20:01,650
about that program well then it's so

455
00:20:05,299 --> 00:20:03,539
it's been so fascinating I love coming

456
00:20:07,370 --> 00:20:05,309
back here I don't care where your office

457
00:20:09,529 --> 00:20:07,380
is it could be anywhere in the world

458
00:20:11,149 --> 00:20:09,539
it's it's a wonderful thing to be in the

459
00:20:13,039 --> 00:20:11,159
office of the National Center of Science

460
00:20:16,580 --> 00:20:13,049
education how can people find out more

461
00:20:19,250 --> 00:20:16,590
where can the NCSE calm on the web we

462
00:20:20,630 --> 00:20:19,260
have lots of information there and of

463
00:20:23,539 --> 00:20:20,640

course if you become a member

464

00:20:25,610 --> 00:20:23,549

hmm you can get our newsletter every

465

00:20:27,320 --> 00:20:25,620

three months and the newsletter now

466

00:20:29,539 --> 00:20:27,330

really focuses on what are we doing for

467

00:20:31,580 --> 00:20:29,549

teachers how are our booster clubs doing

468

00:20:32,570 --> 00:20:31,590

what kinds of flare-ups have we dealt

469

00:20:35,049 --> 00:20:32,580

with

470

00:20:37,579 --> 00:20:35,059

and and what's been the outcome of these

471

00:20:40,099 --> 00:20:37,589

legislation and across the United States

472

00:20:45,019 --> 00:20:40,109

and sometimes around the world so it the

473

00:20:47,419 --> 00:20:45,029

newsletter is a great way to keep up to

474

00:20:49,849 --> 00:20:47,429

date with what we're doing and then of

475

00:20:51,949 --> 00:20:49,859

course the website is very rich yeah

476

00:20:53,389 --> 00:20:51,959

well I think it's applicable for science

477

00:20:55,609 --> 00:20:53,399

teachers no matter where you are from

478

00:20:57,769 --> 00:20:55,619

Australia to the United States to to

479

00:20:59,299 --> 00:20:57,779

everywhere mm-hmm I think any science

480

00:21:00,680 --> 00:20:59,309

teacher would do well to visit your site

481

00:21:03,019 --> 00:21:00,690

once again

482

00:21:10,339 --> 00:21:03,029

pleasure to be here thank you it's great

483

00:21:12,139 --> 00:21:10,349

to see you again that was the final of

484

00:21:14,359 --> 00:21:12,149

our series of interviews with Anne Reed

485

00:21:17,200 --> 00:21:14,369

I'd like to thank Anne very much for her

486

00:21:33,990 --> 00:21:17,210

time and I look forward to my next visit

487

00:21:37,180 --> 00:21:34,000

[Music]

488

00:21:40,090 --> 00:21:37,190

and now direct from the cafe and

489

00:21:42,850 --> 00:21:40,100

Australia's Science Channel its brouhaha

490

00:21:49,529 --> 00:21:42,860

science in less time than it takes to

491

00:21:53,590 --> 00:21:52,149

sorry to break your heart but if

492

00:21:57,130 --> 00:21:53,600

something sounds too good to be true

493

00:21:58,870 --> 00:21:57,140

it is here's what's true researchers

494

00:22:01,269 --> 00:21:58,880

have discovered a protein that helps the

495

00:22:03,940 --> 00:22:01,279

heart grow in the same way that exercise

496

00:22:05,110 --> 00:22:03,950

does heart muscle has evolved to pump

497

00:22:07,510 --> 00:22:05,120

blood around the body and we can

498

00:22:09,310 --> 00:22:07,520

strengthen it by exercising but for

499

00:22:11,590 --> 00:22:09,320

people with heart failure things get a

500

00:22:13,690 --> 00:22:11,600

little more complicated heart muscles

501
00:22:15,909 --> 00:22:13,700
that used to be strong become weak and

502
00:22:17,169 --> 00:22:15,919
other muscles start overcompensating and

503
00:22:20,019 --> 00:22:17,179
cause more harm than good

504
00:22:21,669 --> 00:22:20,029
the newly discovered protein strengthens

505
00:22:24,190 --> 00:22:21,679
the good muscles and shrinks the bad

506
00:22:26,080 --> 00:22:24,200
over compensating muscles and here's

507
00:22:26,649 --> 00:22:26,090
what's too good to be true a million

508
00:22:29,799 --> 00:22:26,659
headlines

509
00:22:31,600 --> 00:22:29,809
screaming exercise pill the protein does

510
00:22:34,180 --> 00:22:31,610
mimic the effects of exercise on this

511
00:22:35,950 --> 00:22:34,190
one specific muscle but there's no such

512
00:22:37,299 --> 00:22:35,960
thing as an exercise pill or any

513
00:22:39,310 --> 00:22:37,309

shortcut when it comes to working out

514

00:22:41,409 --> 00:22:39,320

there's no point having a strong heart

515

00:22:43,930 --> 00:22:41,419

if you have no aerobic endurance or body

516

00:22:45,850 --> 00:22:43,940

strength only exercise gives you the

517

00:22:47,830 --> 00:22:45,860

holistic benefits of everything from

518

00:22:50,110 --> 00:22:47,840

bone strength to lung capacity to an

519

00:22:51,580 --> 00:22:50,120

endorphin rush so it's great news for

520

00:22:53,380 --> 00:22:51,590

people with heart problems but the rest

521

00:22:56,340 --> 00:22:53,390

of us still need to hit the gym

522

00:22:59,710 --> 00:22:56,350

[Music]

523

00:23:22,300 --> 00:22:59,720

for more brouhaha and Australian science

524

00:23:24,730 --> 00:23:22,310

visit www.azpbs.org and escape from the

525

00:23:26,790 --> 00:23:24,740

Westboro Baptists the sex bias of sex

526

00:23:29,230 --> 00:23:26,800

science and all manner of other science

527

00:23:31,600 --> 00:23:29,240

pseudoscience activism slacktivism and

528

00:23:34,900 --> 00:23:31,610

more plus insects for breakfast

529

00:23:36,550 --> 00:23:34,910

mmm YUM QED 2017 takes place on the

530

00:23:39,040 --> 00:23:36,560

fourteenth and fifteenth of October in

531

00:23:40,600 --> 00:23:39,050

Manchester England we've already known

532

00:23:42,580 --> 00:23:40,610

speakers like Sophie Wilson

533

00:23:44,680 --> 00:23:42,590

co-inventor of the arm computer-chip

534

00:23:47,230 --> 00:23:44,690

Simon Singh who will be showing how to

535

00:23:48,280 --> 00:23:47,240

crack a genuine Enigma machine Phil

536

00:23:49,600 --> 00:23:48,290

straightened talking through the

537

00:23:52,150 --> 00:23:49,610

real-life cover-up of the Hillsborough

538

00:23:54,670 --> 00:23:52,160

tragedy and physicists Helen cherski and

539

00:23:56,560 --> 00:23:54,680

Tim O'Brien will have a live show from

540

00:23:58,980 --> 00:23:56,570

the para pod boys and the whole event

541

00:24:01,810 --> 00:23:58,990

will be emceed by ace position Dave anak

542

00:24:04,480 --> 00:24:01,820

have some laughs meet some new friends

543

00:24:06,760 --> 00:24:04,490

make new connections all for only 109

544

00:24:09,910 --> 00:24:06,770

pounds including all the makes those old

545

00:24:12,520 --> 00:24:09,920

panels podcasts workshops our satellites

546

00:24:14,580 --> 00:24:12,530

and statement and lots more check out

547

00:24:30,419 --> 00:24:14,590

QED con dot org

548

00:24:33,419 --> 00:24:30,429

the details will see you in October last

549

00:24:35,490 --> 00:24:33,429

week we brought you the story of the the

550

00:24:36,600 --> 00:24:35,500

VAX TV touring Australia in fact the

551
00:24:38,850 --> 00:24:36,610
last few weeks I think we've been

552
00:24:40,200 --> 00:24:38,860
mentioning this while dramatic

553
00:24:43,289 --> 00:24:40,210
happenings over the last week when the

554
00:24:47,159 --> 00:24:43,299
VAX team left the country to head to New

555
00:24:48,990 --> 00:24:47,169
Zealand to peddle their nonsense one of

556
00:24:53,669 --> 00:24:49,000
them Polly Tommy was detained at the

557
00:24:57,299 --> 00:24:53,679
airport and as a result she has been

558
00:24:59,519 --> 00:24:57,309
denied entry back into Australia for at

559
00:25:02,130 --> 00:24:59,529
least three years now it has urdhva

560
00:25:04,200 --> 00:25:02,140
guests to say even after three years it

561
00:25:06,990 --> 00:25:04,210
would be very unlikely that she would

562
00:25:08,340 --> 00:25:07,000
get back into this country let's see if

563
00:25:10,950 --> 00:25:08,350

we can put together some of the threads

564

00:25:11,510 --> 00:25:10,960

of the story that has been emerging over

565

00:25:15,360 --> 00:25:11,520

the last week

566

00:25:19,169 --> 00:25:15,370

[Music]

567

00:25:22,240 --> 00:25:19,179

as published on the Aged online the age

568

00:25:26,350 --> 00:25:22,250

kaamdar au by a Melissa Cunningham on

569

00:25:29,200 --> 00:25:26,360

the 9th of August 2017 anti-vaccination

570

00:25:32,320 --> 00:25:29,210

advocate banned from Australia after

571

00:25:34,480 --> 00:25:32,330

documentary tour the producer behind a

572

00:25:36,790 --> 00:25:34,490

controversial anti-vaccination film

573

00:25:39,730 --> 00:25:36,800

which has been touring Australia has

574

00:25:40,870 --> 00:25:39,740

been banned from returning to the

575

00:25:43,299 --> 00:25:40,880

country for three years

576

00:25:46,870 --> 00:25:43,309

she claims British anti vaccination

577

00:25:50,049 --> 00:25:46,880

campaigner Polly Tommy who believes the

578

00:25:52,840 --> 00:25:50,059

measles mumps rubella vaccine caused her

579

00:25:54,790 --> 00:25:52,850

son's autism sparked outrage when she

580

00:25:57,570 --> 00:25:54,800

told audiences around Australia that

581

00:26:00,400 --> 00:25:57,580

quote doctors were murderous in quote

582

00:26:03,190 --> 00:26:00,410

Miz Tommy spearheaded a sold-out

583

00:26:05,830 --> 00:26:03,200

National Road show of the documentary

584

00:26:08,380 --> 00:26:05,840

vexed from cover up to catastrophe

585

00:26:11,140 --> 00:26:08,390

organised by the Australian vaccination

586

00:26:13,780 --> 00:26:11,150

skeptics Network directed by Andrew

587

00:26:15,640 --> 00:26:13,790

Wakefield a former doctor whos debunked

588

00:26:17,590 --> 00:26:15,650

study played a key role in the

589

00:26:19,840 --> 00:26:17,600

anti-vaccination movement the film

590

00:26:22,260 --> 00:26:19,850

reignites false claims about the link

591

00:26:25,930 --> 00:26:22,270

between mumps measles and rubella

592

00:26:28,390 --> 00:26:25,940

vaccine and autism hours after being

593

00:26:30,790 --> 00:26:28,400

banned from the country ms Tommy took to

594

00:26:33,100 --> 00:26:30,800

social media to condemn the federal

595

00:26:35,740 --> 00:26:33,110

government in the video posted on

596

00:26:38,500 --> 00:26:35,750

YouTube on Tuesday miss Tommy claimed

597

00:26:40,630 --> 00:26:38,510

authorities seized her phone and copied

598

00:26:43,660 --> 00:26:40,640

her emails as she left Australian soil

599

00:26:47,280 --> 00:26:43,670

to continue the New Zealand leg of the

600

00:26:50,110 --> 00:26:47,290

film tour quote Australia to me is

601
00:26:53,680 --> 00:26:50,120
literally the worst country I've visited

602
00:26:54,760 --> 00:26:53,690
end quote she said quote not the people

603
00:26:57,990 --> 00:26:54,770
the government

604
00:27:00,610 --> 00:26:58,000
end quote Ms Tommy said she was

605
00:27:02,560 --> 00:27:00,620
interrogated about her involvement in

606
00:27:03,520 --> 00:27:02,570
the documentary and banned for three

607
00:27:05,500 --> 00:27:03,530
years

608
00:27:08,410 --> 00:27:05,510
although admitted she does not yet have

609
00:27:10,180 --> 00:27:08,420
any documents to confirm this she was

610
00:27:13,410 --> 00:27:10,190
banned from the country over alleged a

611
00:27:16,660 --> 00:27:13,420
visa breaches she said quote they

612
00:27:18,370 --> 00:27:16,670
Australian border force told me I was

613
00:27:20,290 --> 00:27:18,380

banned from Australia for three years

614

00:27:23,100 --> 00:27:20,300

and that I would be getting a letter to

615

00:27:25,450 --> 00:27:23,110

confirm this and quote ms tommy said

616

00:27:27,460 --> 00:27:25,460

medical experts and political leaders

617

00:27:28,720 --> 00:27:27,470

discredited the documentary as anti

618

00:27:31,570 --> 00:27:28,730

vaccination proper

619

00:27:34,030 --> 00:27:31,580

and a quote public health risk men quote

620

00:27:36,310 --> 00:27:34,040

a number of the secret screenings of the

621

00:27:38,770 --> 00:27:36,320

documentary and Q&A sessions were hosted

622

00:27:41,890 --> 00:27:38,780

in Australia including one last week at

623

00:27:44,049 --> 00:27:41,900

villages crowned casino cinemas in the

624

00:27:46,480 --> 00:27:44,059

South Bank and another in Melbourne

625

00:27:48,820 --> 00:27:46,490

eastern suburbs earlier this month the

626
00:27:51,250 --> 00:27:48,830
Australian national University's science

627
00:27:53,500 --> 00:27:51,260
department was also condemned for

628
00:27:55,600 --> 00:27:53,510
unwittingly screening the film the

629
00:27:58,030 --> 00:27:55,610
Australian vaccination skeptics network

630
00:27:59,950 --> 00:27:58,040
later uploaded videos of the event to

631
00:28:01,750 --> 00:27:59,960
social media showing some of those

632
00:28:04,810 --> 00:28:01,760
involved claiming the event was

633
00:28:07,720 --> 00:28:04,820
implicitly endorsed by the University

634
00:28:09,970 --> 00:28:07,730
when it was not Melbourne orthopedic

635
00:28:12,700 --> 00:28:09,980
surgeon dr. John Cunningham who was

636
00:28:14,110 --> 00:28:12,710
awarded an Order of Australia medal for

637
00:28:16,450 --> 00:28:14,120
his research and promotion of

638
00:28:19,049 --> 00:28:16,460

immunization said it was one of the most

639

00:28:22,030 --> 00:28:19,059

dangerous films he had ever come across

640

00:28:23,919 --> 00:28:22,040

dr. Cunningham said the film had the

641

00:28:26,380 --> 00:28:23,929

potential to harm generations of

642

00:28:28,960 --> 00:28:26,390

children in Australia quote we are

643

00:28:31,360 --> 00:28:28,970

living in an era where people are dying

644

00:28:34,419 --> 00:28:31,370

and needlessly and quote dr. Cunningham

645

00:28:37,720 --> 00:28:34,429

said quote babies will die if they are

646

00:28:40,030 --> 00:28:37,730

not vaccinated this sort of Lies and

647

00:28:42,310 --> 00:28:40,040

misinformation are a threat to the

648

00:28:44,049 --> 00:28:42,320

public health and people who promote

649

00:28:46,570 --> 00:28:44,059

these ideas should be treated with

650

00:28:49,659 --> 00:28:46,580

disdain and shouldn't be given a stage

651
00:28:52,690 --> 00:28:49,669
in which to spread their lies end quote

652
00:28:54,700 --> 00:28:52,700
last week the nation's health ministers

653
00:28:57,010 --> 00:28:54,710
also rejected the anti-vaccination

654
00:28:59,260 --> 00:28:57,020
movement and reaffirmed the role that

655
00:29:01,060 --> 00:28:59,270
vaccinations play in protecting children

656
00:29:03,430 --> 00:29:01,070
from potentially life-threatening

657
00:29:06,100 --> 00:29:03,440
infections Federal Health Minister Greg

658
00:29:09,430 --> 00:29:06,110
Hunt condemned the film and said it was

659
00:29:11,890 --> 00:29:09,440
based on quote unscientific conspiracy

660
00:29:13,510 --> 00:29:11,900
theories men quote the Department of

661
00:29:16,390 --> 00:29:13,520
Immigration and Border Protection has

662
00:29:19,539 --> 00:29:16,400
been contacted for comment miss Tommy

663
00:29:21,720 --> 00:29:19,549

has also been contacted for comment and

664

00:29:24,370 --> 00:29:21,730

that comes to us from the age

665

00:29:29,600 --> 00:29:24,380

commandante you published on the 9th of

666

00:29:36,299 --> 00:29:33,060

now it's interesting that the section of

667

00:29:40,860 --> 00:29:36,309

the PDF or a PDF which seems to be the

668

00:29:42,750 --> 00:29:40,870

official reason pali tommy was barred

669

00:29:45,779 --> 00:29:42,760

from coming back to australia for at

670

00:29:47,879 --> 00:29:45,789

least three years comes to us from the

671

00:29:53,419 --> 00:29:47,889

VAX from cover up the catastrophe

672

00:29:58,169 --> 00:29:53,429

official Facebook page and this PDF is

673

00:30:01,620 --> 00:29:58,179

titled Polly Tommy s 1 to 8 notice of

674

00:30:04,379 --> 00:30:01,630

cancellation dot PDF and it appears to

675

00:30:06,389 --> 00:30:04,389

be from the federal government from

676
00:30:08,580 --> 00:30:06,399
border force which is the arm of

677
00:30:10,620 --> 00:30:08,590
government which looks after our borders

678
00:30:13,769 --> 00:30:10,630
and regulation in import and export and

679
00:30:15,799 --> 00:30:13,779
all that sort of stuff security and in

680
00:30:18,090 --> 00:30:15,809
part the document says information

681
00:30:21,060 --> 00:30:18,100
because of which the grounds were

682
00:30:23,009 --> 00:30:21,070
considered to exist open source

683
00:30:25,950 --> 00:30:23,019
information indicates that you are a

684
00:30:27,450 --> 00:30:25,960
prominent anti-vaccination activist in

685
00:30:30,629 --> 00:30:27,460
the United States of America you

686
00:30:32,940 --> 00:30:30,639
recently visited Australia participating

687
00:30:35,190 --> 00:30:32,950
in delivering seminars at numerous

688
00:30:38,460 --> 00:30:35,200

locations about anti-vaccination and

689

00:30:39,389 --> 00:30:38,470

promoted an anti vaccination film titled

690

00:30:41,639 --> 00:30:39,399

VAX

691

00:30:44,370 --> 00:30:41,649

and the other part of the document that

692

00:30:45,990 --> 00:30:44,380

we have or at least the section of it

693

00:30:49,740 --> 00:30:46,000

which has been put on the Facebook page

694

00:30:52,700 --> 00:30:49,750

there Polly Tommy s 1 to 8 notice of

695

00:30:56,460 --> 00:30:52,710

cancellation and this section says

696

00:30:59,070 --> 00:30:56,470

presumably section e the presence of its

697

00:31:04,440 --> 00:30:59,080

holder in Australia is or may be or

698

00:31:07,500 --> 00:31:04,450

would or might be a risk to one the

699

00:31:10,620 --> 00:31:07,510

health safety or good order of the

700

00:31:13,620 --> 00:31:10,630

Australian community or a segment of the

701
00:31:16,590 --> 00:31:13,630
Australian community so it seems based

702
00:31:18,629 --> 00:31:16,600
on this that Polly Tommy was barred from

703
00:31:20,370 --> 00:31:18,639
coming back into Australia for health

704
00:31:22,649 --> 00:31:20,380
and safety reasons

705
00:31:24,419 --> 00:31:22,659
so far we've yet to ascertain whether

706
00:31:26,190 --> 00:31:24,429
it's because she lied on her visa

707
00:31:28,560 --> 00:31:26,200
application but we have no evidence of

708
00:31:30,750 --> 00:31:28,570
that but it's interesting to look at

709
00:31:33,450 --> 00:31:30,760
some of the responses on the VAX

710
00:31:35,610 --> 00:31:33,460
Facebook page to this news and the

711
00:31:37,950 --> 00:31:35,620
posting of these documents here's a

712
00:31:39,659 --> 00:31:37,960
comment Wow when you think of the

713
00:31:41,490 --> 00:31:39,669

hundreds of millions they have put down

714

00:31:43,890 --> 00:31:41,500

on this country wide vaccinate

715

00:31:45,810 --> 00:31:43,900

brainwashing propaganda campaign it's

716

00:31:47,880 --> 00:31:45,820

astounding that one person with a big

717

00:31:50,400 --> 00:31:47,890

scary threatening different opinion

718

00:31:52,590 --> 00:31:50,410

could be such a threat exclamation mark

719

00:31:54,810 --> 00:31:52,600

exclamation mark exclamation mark they

720

00:31:57,510 --> 00:31:54,820

are scared exclamation mark exclamation

721

00:32:01,140 --> 00:31:57,520

mark exclamation mark exclamation mark

722

00:32:03,150 --> 00:32:01,150

well done Bali well done Australians you

723

00:32:05,250 --> 00:32:03,160

are waking up exclamation mark

724

00:32:07,670 --> 00:32:05,260

exclamation mark exclamation mark I

725

00:32:10,710 --> 00:32:07,680

won't read anymore exclamation marks

726

00:32:13,950 --> 00:32:10,720

another comment here our government is

727

00:32:17,940 --> 00:32:13,960

so smart aren't they insert sarcastic

728

00:32:20,480 --> 00:32:17,950

tone here if I don't laugh I may cry lol

729

00:32:22,910 --> 00:32:20,490

continue to ruffle those feathers guys

730

00:32:26,850 --> 00:32:22,920

hashtag we will win this fight

731

00:32:28,530 --> 00:32:26,860

another comment here hmm and who decides

732

00:32:31,170 --> 00:32:28,540

that information and debate about

733

00:32:33,390 --> 00:32:31,180

mandated medical intervention is a risk

734

00:32:36,270 --> 00:32:33,400

to the health safety or good order of

735

00:32:39,050 --> 00:32:36,280

the Australian community oh yes those

736

00:32:42,390 --> 00:32:39,060

enforcing mandated medical intervention

737

00:32:44,190 --> 00:32:42,400

dot another one we'll see you in three

738

00:32:47,100 --> 00:32:44,200

years Polly love heart love heart love

739

00:32:48,560 --> 00:32:47,110

heart another one right now I am ashamed

740

00:32:51,090 --> 00:32:48,570

to be Australian

741

00:32:54,270 --> 00:32:51,100

another one that's no joke the

742

00:32:56,310 --> 00:32:54,280

government control and before it's

743

00:32:57,750 --> 00:32:56,320

deleted I've just noticed a comment here

744

00:33:01,560 --> 00:32:57,760

replying to one of the other comments

745

00:33:03,630 --> 00:33:01,570

nobody is scared you dingbat nor is her

746

00:33:05,760 --> 00:33:03,640

as a different opinion she spreads

747

00:33:07,550 --> 00:33:05,770

outright lies and misinformation which

748

00:33:09,930 --> 00:33:07,560

is soaked up by the great unwashed

749

00:33:12,510 --> 00:33:09,940

willfully ignorant and mentally

750

00:33:15,900 --> 00:33:12,520

challenged it is people like her and her

751

00:33:17,880 --> 00:33:15,910

rabid fans who put our nation's health

752

00:33:19,250 --> 00:33:17,890

at risk poor effort and turning a

753

00:33:22,860 --> 00:33:19,260

negative into a positive

754

00:33:26,710 --> 00:33:22,870

so I expect that comment may well be

755

00:33:33,109 --> 00:33:29,720

now we have more reports coming in about

756

00:33:35,649 --> 00:33:33,119

this this case and why Polly Tommy has

757

00:33:37,850 --> 00:33:35,659

been banned from re-entering Australia

758

00:33:41,029 --> 00:33:37,860

accounts from one of the blogs that

759

00:33:44,210 --> 00:33:41,039

support the anti-vaccination movement so

760

00:33:48,200 --> 00:33:44,220

it's couched in in terms that would be

761

00:33:50,659 --> 00:33:48,210

positive towards Polly Tommy says she

762

00:33:53,060 --> 00:33:50,669

was detained by immigration they asked

763

00:33:55,070 --> 00:33:53,070

her for a phone her iPad and took all

764

00:33:58,070 --> 00:33:55,080

her correspondence with the Australian

765

00:34:00,229 --> 00:33:58,080

group Australian vaccination network

766

00:34:01,989 --> 00:34:00,239

avian of course they mean the Estonian

767

00:34:04,849 --> 00:34:01,999

vaccination skeptics Network and

768

00:34:09,589 --> 00:34:04,859

photographed every piece of paper she

769

00:34:11,240 --> 00:34:09,599

had filling up three USB sticks well

770

00:34:13,659 --> 00:34:11,250

that would be extraordinary if you could

771

00:34:16,700 --> 00:34:13,669

even fill up one USB stick these days

772

00:34:19,339 --> 00:34:16,710

she was detained for approximately 40

773

00:34:22,669 --> 00:34:19,349

minutes and aggressively questioned they

774

00:34:25,220 --> 00:34:22,679

wanted to know who was making money from

775

00:34:27,649 --> 00:34:25,230

the film VAX and whether dr. Andrew

776

00:34:30,109 --> 00:34:27,659

Wakefield was in the country the agents

777

00:34:34,339 --> 00:34:30,119

also made her write Andrew Wakefield 's

778

00:34:36,470 --> 00:34:34,349

name on a piece of paper hmm when Polly

779

00:34:39,680 --> 00:34:36,480

Tommy asked on what grounds she was

780

00:34:42,470 --> 00:34:39,690

being detained the agents said she would

781

00:34:45,289 --> 00:34:42,480

shortly receive an explanation through

782

00:34:46,879 --> 00:34:45,299

the mail that came from the Australian

783

00:34:49,280 --> 00:34:46,889

Government Department of Immigration and

784

00:34:50,740 --> 00:34:49,290

Border Protection and arrived on

785

00:34:54,369 --> 00:34:50,750

Thursday the 9th of August

786

00:34:57,530 --> 00:34:54,379

apparently it says in part evidence of

787

00:34:59,510 --> 00:34:57,540

grounds for cancellation open source

788

00:35:01,549 --> 00:34:59,520

information indicates that Ms Tommy is a

789

00:35:03,650 --> 00:35:01,559

prominent anti-vaccination activist in

790

00:35:05,809 --> 00:35:03,660

the United States of America Ms Tommy

791

00:35:07,700 --> 00:35:05,819

recently visited Australia participating

792

00:35:10,089 --> 00:35:07,710

in delivering seminars at numerous

793

00:35:12,710 --> 00:35:10,099

locations about anti-vaccination and

794

00:35:16,190 --> 00:35:12,720

promoted and anti-vaccination film

795

00:35:18,200 --> 00:35:16,200

titled VAX based on this information I

796

00:35:20,510 --> 00:35:18,210

am satisfied that if the wider

797

00:35:23,480 --> 00:35:20,520

Australian community had become aware of

798

00:35:25,609 --> 00:35:23,490

MS Tommy's intended activities while she

799

00:35:29,000 --> 00:35:25,619

was in Australia recently her presence

800

00:35:32,210 --> 00:35:29,010

in Australia would be a risk to the good

801
00:35:35,180 --> 00:35:32,220
order of the Australian community it

802
00:35:39,380 --> 00:35:35,190
goes on quote good order in quote in the

803
00:35:41,930 --> 00:35:39,390
context of one one six one e

804
00:35:43,940 --> 00:35:41,940
is concerned with the actions by a visa

805
00:35:46,849 --> 00:35:43,950
holder which have an impact on the

806
00:35:49,069 --> 00:35:46,859
public activities or which manifests

807
00:35:51,710 --> 00:35:49,079
themselves in a public way including the

808
00:35:53,509 --> 00:35:51,720
risk of adverse reaction by certain

809
00:35:55,190 --> 00:35:53,519
members of the Australian society to the

810
00:35:57,200 --> 00:35:55,200
visa holders presence in Australia

811
00:35:59,089 --> 00:35:57,210
therefore it appears miss Tommy's

812
00:36:00,920 --> 00:35:59,099
presence in Australia would be a risk to

813
00:36:03,140 --> 00:36:00,930

the good order of the Australian

814

00:36:07,220 --> 00:36:03,150

community and I am satisfied there is

815

00:36:11,240 --> 00:36:07,230

ground to cancel your visa under Section

816

00:36:13,279 --> 00:36:11,250

1 1 6 1e so that's couched in what we

817

00:36:16,819 --> 00:36:13,289

might call formal language legal

818

00:36:18,859 --> 00:36:16,829

language it's very interesting that

819

00:36:20,539 --> 00:36:18,869

that's the approach that apparently has

820

00:36:23,089 --> 00:36:20,549

been used and again we're only relying

821

00:36:26,410 --> 00:36:23,099

on what has sort of been filtered down

822

00:36:30,589 --> 00:36:26,420

through the VAX people and other sources

823

00:36:34,549 --> 00:36:30,599

but I will say this and it's quite a

824

00:36:37,880 --> 00:36:34,559

good lesson to remember that complaints

825

00:36:41,180 --> 00:36:37,890

to official government channels can pay

826

00:36:44,240 --> 00:36:41,190

off now skeptical activism in general is

827

00:36:46,370 --> 00:36:44,250

a good thing we can raise awareness in

828

00:36:49,579 --> 00:36:46,380

the general community but when it comes

829

00:36:53,960 --> 00:36:49,589

to the crunch when serious action needs

830

00:36:56,480 --> 00:36:53,970

to be taken it really is one of the

831

00:36:59,930 --> 00:36:56,490

duties of government and government can

832

00:37:03,109 --> 00:36:59,940

only act efficiently and properly if

833

00:37:08,240 --> 00:37:03,119

it's aided and supported by its citizens

834

00:37:10,579 --> 00:37:08,250

so well done all the concerned citizens

835

00:37:13,700 --> 00:37:10,589

in Australia who were certainly on the

836

00:37:16,370 --> 00:37:13,710

case of this wretched movie being walked

837

00:37:20,200 --> 00:37:16,380

around the country and took action in

838

00:37:23,720 --> 00:37:20,210

regards to formal applications to the

839

00:37:26,059 --> 00:37:23,730

via the correct channels this also sets

840

00:37:29,140 --> 00:37:26,069

a very useful precedent for future

841

00:37:32,390 --> 00:37:29,150

visits or pending future visits for

842

00:37:34,130 --> 00:37:32,400

anti-vaccination activists don't think

843

00:37:38,360 --> 00:37:34,140

you can come into this country and

844

00:37:58,220 --> 00:37:38,370

peddle your nonsense without consequence

845

00:38:02,400 --> 00:38:00,809

today this dr. Karl Karl Chris must be

846

00:38:04,710 --> 00:38:02,410

proud to be skeptic and you can find out

847

00:38:09,460 --> 00:38:04,720

more about me at dr. Karl calm and get

848

00:38:09,470 --> 00:38:16,090

[Music]

849

00:38:16,100 --> 00:38:23,710

his main art spooky action at a distance

850

00:38:29,620 --> 00:38:27,700

oh wow what a wild night you are in for

851

00:38:31,300 --> 00:38:29,630

this evening that the first earth day of

852

00:38:32,680 --> 00:38:31,310

the month and that's when skeptics in

853

00:38:34,390 --> 00:38:32,690

the pub happens in Sydney at the

854

00:38:34,990 --> 00:38:34,400

Occidental on the third level and

855

00:38:37,990 --> 00:38:35,000

tonight

856

00:38:40,390 --> 00:38:38,000

we'll be going beyond well beyond the

857

00:38:43,630 --> 00:38:40,400

third level who BR will be going beyond

858

00:38:46,210 --> 00:38:43,640

the merchant seaman's 10-year reunion

859

00:38:48,579 --> 00:38:46,220

that's on downstairs we'll be going to

860

00:38:52,030 --> 00:38:48,589

finding some people are genuinely

861

00:38:53,770 --> 00:38:52,040

talented and psychic now I'm not one of

862

00:38:55,030 --> 00:38:53,780

them I can never tell what's going on in

863

00:38:55,630 --> 00:38:55,040

fact I don't even know what I'm gonna

864

00:38:57,339 --> 00:38:55,640

say next

865

00:38:59,319 --> 00:38:57,349

but someone who can figure this out

866

00:39:01,720 --> 00:38:59,329

allegedly is a member of the shadowy

867

00:39:02,980 --> 00:39:01,730

elite mr. Richard Saunders good evening

868

00:39:03,520 --> 00:39:02,990

may night now I'm right here at the

869

00:39:04,900 --> 00:39:03,530

table

870

00:39:08,010 --> 00:39:04,910

we're setting up here at skeptics in the

871

00:39:11,260 --> 00:39:08,020

pub and this you can hear that's the

872

00:39:13,540 --> 00:39:11,270

jangling of divining rods and tonight

873

00:39:14,680 --> 00:39:13,550

we're doing water divining to actually

874

00:39:15,849 --> 00:39:14,690

having done the mystery investigators

875

00:39:18,400 --> 00:39:15,859

show with you a couple of times I know

876

00:39:19,599 --> 00:39:18,410

that how they are used and what sort of

877

00:39:20,950 --> 00:39:19,609

percentage do you normally get because I

878

00:39:22,480 --> 00:39:20,960

like it when we have kids and they

879

00:39:23,620 --> 00:39:22,490

actually defy the odds and they get it

880

00:39:27,490 --> 00:39:23,630

twice in a row

881

00:39:28,690 --> 00:39:27,500

it happens about the same amount of

882

00:39:30,490 --> 00:39:28,700

times you'd expect them to happen by

883

00:39:32,620 --> 00:39:30,500

random chance normally we get one in one

884

00:39:34,540 --> 00:39:32,630

and 50 what is it you got me you've got

885

00:39:37,480 --> 00:39:34,550

me you've got me it's one in six and

886

00:39:40,180 --> 00:39:37,490

once it one in 36 okay something like

887

00:39:42,099 --> 00:39:40,190

that depending anyway but also we have

888

00:39:42,970 --> 00:39:42,109

here on the table we have these giants

889

00:39:46,930 --> 00:39:42,980

in the cards

890

00:39:49,599 --> 00:39:46,940

there we go star wavy line cross circle

891

00:39:50,890 --> 00:39:49,609

and square tonight Jessica Hazzard white

892

00:39:53,740 --> 00:39:50,900

from the committee we'll be talking

893

00:39:55,420 --> 00:39:53,750

about the origin of Zener cards get out

894

00:39:57,099 --> 00:39:55,430

yeah before we do the test again a

895

00:39:59,470 --> 00:39:57,109

triple barrel name ooh

896

00:40:01,510 --> 00:39:59,480

there's something in that she was maybe

897

00:40:04,000 --> 00:40:01,520

the shooter on the grassy knoll I think

898

00:40:08,440 --> 00:40:04,010

she might have been so we've cut water

899

00:40:10,720 --> 00:40:08,450

dividing test without six buckets a

900

00:40:13,030 --> 00:40:10,730

wobbly table it looks like we've got our

901
00:40:15,730 --> 00:40:13,040
water here hmm people got to look for

902
00:40:19,420 --> 00:40:15,740
Zener cards and to round off we have a

903
00:40:21,579 --> 00:40:19,430
heads and tails which is a 50/50 shot

904
00:40:23,770 --> 00:40:21,589
each time and the whole audience are

905
00:40:24,880 --> 00:40:23,780
going to be participating they're going

906
00:40:26,620 --> 00:40:24,890
to predict the future with heads and

907
00:40:28,390 --> 00:40:26,630
hands and also how many goes do you

908
00:40:31,520 --> 00:40:28,400
think it'll take to get to the final

909
00:40:36,380 --> 00:40:34,550
I got a call at 6 or 7 I'll say seven

910
00:40:38,000 --> 00:40:36,390
tonight and the prize that they were

911
00:40:39,770 --> 00:40:38,010
giving away is someone who was a guest

912
00:40:42,260 --> 00:40:39,780
on this previous show yeah yeah the

913
00:40:44,750 --> 00:40:42,270

prize is and then you did a scientific

914

00:40:48,080 --> 00:40:44,760

exploration of the world's most

915

00:40:49,580 --> 00:40:48,090

interesting ways to die autographed by

916

00:40:52,070 --> 00:40:49,590

dr. Paul dirty there we are

917

00:40:53,750 --> 00:40:52,080

is the autograph autographed on the

918

00:40:55,250 --> 00:40:53,760

skeptic zone some weeks ago and don't

919

00:40:56,990 --> 00:40:55,260

forget it is skeptics in the pub in

920

00:40:59,090 --> 00:40:57,000

Sydney at the Occidental the first

921

00:41:00,680 --> 00:40:59,100

Thursday of every month from six o'clock

922

00:41:02,540 --> 00:41:00,690

thrill about eight or nine o'clock isn't

923

00:41:04,820 --> 00:41:02,550

it until they throw the last person out

924

00:41:07,610 --> 00:41:04,830

yes okay well I'll sit down and quietly

925

00:41:10,400 --> 00:41:07,620

I'll go I'll be your sideline eye on

926
00:41:13,250 --> 00:41:10,410
what the shadowy elite get up to tonight

927
00:41:15,410 --> 00:41:13,260
in their Haven of misbehaving here at

928
00:41:17,000 --> 00:41:15,420
the Occidental right here we are

929
00:41:18,590 --> 00:41:17,010
beforehand now it's gonna get very busy

930
00:41:20,660 --> 00:41:18,600
with skeptics like I said the shadowy

931
00:41:22,070 --> 00:41:20,670
elite will be here and another member of

932
00:41:23,540 --> 00:41:22,080
the shadowy elite and one of the triple

933
00:41:25,280 --> 00:41:23,550
barrel nine that's Jessica hazard white

934
00:41:29,900 --> 00:41:25,290
that's a bit like Austin danger Powers

935
00:41:32,420 --> 00:41:29,910
isn't it you've got a dangerous middle

936
00:41:33,650 --> 00:41:32,430
name and also triple barrel name means

937
00:41:37,430 --> 00:41:33,660
obviously you're the shooter on the

938
00:41:38,840 --> 00:41:37,440

grassy knoll remember people who commit

939

00:41:40,730 --> 00:41:38,850

crime in the States always seem to have

940

00:41:43,370 --> 00:41:40,740

three names ever notice that Lee Harvey

941

00:41:45,860 --> 00:41:43,380

Oswald John Wayne Gacy are there men too

942

00:41:48,920 --> 00:41:45,870

oh I don't know if I'm ever gonna get

943

00:41:51,560 --> 00:41:48,930

that notorious if I do I well if I do I

944

00:41:53,870 --> 00:41:51,570

hope it's not for murder tell us about

945

00:41:55,280 --> 00:41:53,880

the history of the Zener card I was

946

00:41:57,800 --> 00:41:55,290

under the belief that it had something

947

00:41:59,240 --> 00:41:57,810

to do with the Zener television show or

948

00:42:01,100 --> 00:41:59,250

something to do with that am I right

949

00:42:02,480 --> 00:42:01,110

about that so not to my knowledge or not

950

00:42:04,310 --> 00:42:02,490

from my research but then again my

951
00:42:06,140 --> 00:42:04,320
research who knows maybe it was not

952
00:42:08,840 --> 00:42:06,150
comprehensive enough so they were

953
00:42:10,780 --> 00:42:08,850
invented by a psychic psychology

954
00:42:12,680 --> 00:42:10,790
researcher who was looking at

955
00:42:14,810 --> 00:42:12,690
parapsychology so his name was Karl

956
00:42:16,940 --> 00:42:14,820
Zener and this research was being done

957
00:42:19,640 --> 00:42:16,950
in the 1930s so they were really

958
00:42:25,040 --> 00:42:19,650
interested in you know trying to be more

959
00:42:27,020 --> 00:42:25,050
systematic and methodical in examining

960
00:42:29,330 --> 00:42:27,030
sort of thye phenomena as they call it

961
00:42:31,070 --> 00:42:29,340
or you know everything in that realm

962
00:42:32,570 --> 00:42:31,080
of course most people would have seen

963
00:42:35,000 --> 00:42:32,580

these in the opening scene of

964

00:42:36,920 --> 00:42:35,010

ghostbusters with Bill Murray yes

965

00:42:39,050 --> 00:42:36,930

and there's actually on the Wikipedia

966

00:42:40,910 --> 00:42:39,060

page there is a long list of different

967

00:42:42,170 --> 00:42:40,920

places where they've appeared in

968

00:42:44,360 --> 00:42:42,180

different movies and so on

969

00:42:46,400 --> 00:42:44,370

and album pitches all this kind of stuff

970

00:42:48,080 --> 00:42:46,410

so there they come up a lot in in

971

00:42:49,100 --> 00:42:48,090

popular culture and of course you've got

972

00:42:50,570 --> 00:42:49,110

to play the stats with them because

973

00:42:52,130 --> 00:42:50,580

there's normally five so you've got at

974

00:42:53,750 --> 00:42:52,140

any time twenty percent chance of

975

00:42:57,530 --> 00:42:53,760

picking one of them is that correct yes

976

00:43:01,580 --> 00:42:57,540

so they're usually a classic deck has 25

977

00:43:02,810 --> 00:43:01,590

cards so five of each type so if ideally

978

00:43:04,220 --> 00:43:02,820

when it's done well you want to put each

979

00:43:06,080 --> 00:43:04,230

time you pull out a card to look at it

980

00:43:08,570 --> 00:43:06,090

you put it back in because if you don't

981

00:43:10,430 --> 00:43:08,580

if you keep taking them out then it

982

00:43:11,990 --> 00:43:10,440

makes it very easy to count cards a lot

983

00:43:14,360 --> 00:43:12,000

easier to count cards and just from a

984

00:43:16,610 --> 00:43:14,370

standard deck so if anyone's if it Chloe

985

00:43:18,500 --> 00:43:16,620

got a good memory good with maths they

986

00:43:20,060 --> 00:43:18,510

could very easily game it if you don't

987

00:43:22,280 --> 00:43:20,070

put the cards back in now have you been

988

00:43:24,020 --> 00:43:22,290

practicing at home I haven't been but

989

00:43:25,940 --> 00:43:24,030

I've been reading about it but I did it

990

00:43:27,860 --> 00:43:25,950

was something that I did as a teenager I

991

00:43:30,980 --> 00:43:27,870

think I roped my parents into doing it

992

00:43:33,440 --> 00:43:30,990

with me didn't find anything but it was

993

00:43:34,820 --> 00:43:33,450

it was fun to play with oh look you've

994

00:43:36,860 --> 00:43:34,830

actually got something who he boogie

995

00:43:37,850 --> 00:43:36,870

you're wearing a how would you describe

996

00:43:40,210 --> 00:43:37,860

what you're wearing because it's got

997

00:43:42,200 --> 00:43:40,220

you've got you are wearing the occult

998

00:43:44,030 --> 00:43:42,210

Ouija board dress I think would be the

999

00:43:44,810 --> 00:43:44,040

easiest way of describing it it's I

1000

00:43:45,860 --> 00:43:44,820

thought it would be quite appropriate

1001
00:43:49,490 --> 00:43:45,870
for the night and I've got my little

1002
00:43:51,050 --> 00:43:49,500
crystal earrings we've got them that

1003
00:43:52,460 --> 00:43:51,060
mean they get vibrations or they pick up

1004
00:43:54,350 --> 00:43:52,470
vibrations is there something about that

1005
00:43:56,060 --> 00:43:54,360
particular nose rose quartz as special

1006
00:43:57,800 --> 00:43:56,070
as that a special quartz you know what I

1007
00:43:59,240 --> 00:43:57,810
think I think they're all special but

1008
00:44:00,560 --> 00:43:59,250
the problem is every one that I read

1009
00:44:01,730 --> 00:44:00,570
about they tell me this special in a

1010
00:44:03,050 --> 00:44:01,740
different way so I don't know what the

1011
00:44:04,250 --> 00:44:03,060
answer is to that one yeah it's a

1012
00:44:06,940 --> 00:44:04,260
problem in who it tends to be bit

1013
00:44:08,690 --> 00:44:06,950

inconsistent something I guess

1014

00:44:10,580 --> 00:44:08,700

inconsistent and interesting about the

1015

00:44:13,190 --> 00:44:10,590

Zener cards is that it can't tell you

1016

00:44:15,830 --> 00:44:13,200

whether the ability of testing for is

1017

00:44:17,330 --> 00:44:15,840

telepathy or clairvoyance so for

1018

00:44:19,160 --> 00:44:17,340

instance if you were to get a

1019

00:44:21,650 --> 00:44:19,170

particularly good score it could be

1020

00:44:23,930 --> 00:44:21,660

because you're reading my mind that you

1021

00:44:25,880 --> 00:44:23,940

can hear my thoughts thinking it's the

1022

00:44:27,950 --> 00:44:25,890

square or it's a triangle or it's the

1023

00:44:30,040 --> 00:44:27,960

wavy lines but it could also be

1024

00:44:32,360 --> 00:44:30,050

clairvoyance so you're just somehow

1025

00:44:34,340 --> 00:44:32,370

pulling that information in from the

1026
00:44:36,290 --> 00:44:34,350
universe so it could be seeing the card

1027
00:44:38,150 --> 00:44:36,300
rather than seeing what's in your mind

1028
00:44:39,790 --> 00:44:38,160
that's actually a third option I hadn't

1029
00:44:41,600 --> 00:44:39,800
thought about so that would be Claire

1030
00:44:43,820 --> 00:44:41,610
what's that called when you can do

1031
00:44:45,650 --> 00:44:43,830
things there I think it would be

1032
00:44:48,699 --> 00:44:45,660
clairvoyant that's saying things

1033
00:44:51,920 --> 00:44:48,709
clairaudient is hearing things

1034
00:44:54,739 --> 00:44:51,930
yes I don't know if yes because if you

1035
00:44:56,269 --> 00:44:54,749
clairvoyant am i seeing it from you I am

1036
00:44:57,829 --> 00:44:56,279
I seeing it somehow for another

1037
00:45:00,620 --> 00:44:57,839
dimension from the card that's a tough

1038
00:45:02,420 --> 00:45:00,630

one remote viewing or would that be too

1039

00:45:05,209 --> 00:45:02,430

news that could possibly be an example

1040

00:45:07,249 --> 00:45:05,219

of remote viewing as well fascinating

1041

00:45:09,499 --> 00:45:07,259

many things that could be mmm

1042

00:45:11,209 --> 00:45:09,509

look I will get to mki people at home I

1043

00:45:14,479 --> 00:45:11,219

know we'll get to mkultra eventually

1044

00:45:16,219 --> 00:45:14,489

okay well I'll look for telling everyone

1045

00:45:17,449 --> 00:45:16,229

about this and do you think we'll have

1046

00:45:20,299 --> 00:45:17,459

many people getting it right

1047

00:45:22,400 --> 00:45:20,309

look I'm always hoping I'm always

1048

00:45:24,019 --> 00:45:22,410

hopeful but I think it's not too likely

1049

00:45:25,699 --> 00:45:24,029

although you know in a smaller sample

1050

00:45:27,199 --> 00:45:25,709

size like this you can get outliers

1051

00:45:28,609 --> 00:45:27,209

that's just the nature of statistics

1052

00:45:30,739 --> 00:45:28,619

maybe you'll get someone who does really

1053

00:45:32,269 --> 00:45:30,749

well but it's what when you have large

1054

00:45:33,410 --> 00:45:32,279

enough numbers large enough samples

1055

00:45:34,999 --> 00:45:33,420

that's when everything comes out in the

1056

00:45:36,650 --> 00:45:35,009

wash and it tends to perform just a

1057

00:45:38,420 --> 00:45:36,660

chance I say tens I'm trying to be

1058

00:45:42,709 --> 00:45:38,430

positive it always performs a chance so

1059

00:45:45,289 --> 00:45:42,719

far also online you can get Reggie ber

1060

00:45:47,150 --> 00:45:45,299

Reggie board black or white curtains and

1061

00:45:48,829 --> 00:45:47,160

you can get Ouija board black or white

1062

00:45:51,589 --> 00:45:48,839

sheets with matching pillows which is

1063

00:45:53,539 --> 00:45:51,599

hilarious I think that might be a nice

1064

00:45:56,299 --> 00:45:53,549

addition to my house oh and here we have

1065

00:46:00,439 --> 00:45:56,309

some cements some mystifying myths from

1066

00:46:02,900 --> 00:46:00,449

Richard in a beautiful way gbaud tin mmm

1067

00:46:04,130 --> 00:46:02,910

with that horrible bloody American thing

1068

00:46:13,859 --> 00:46:04,140

is into wintergreen

1069

00:46:19,299 --> 00:46:17,440

by a scientist or somebody in the the

1070

00:46:21,460 --> 00:46:19,309

field of science generally speaking

1071

00:46:26,130 --> 00:46:21,470

we've had all sorts of interesting talks

1072

00:46:29,109 --> 00:46:26,140

and the University though was strawpoll

1073

00:46:31,870 --> 00:46:29,119

one of the most interesting folks we had

1074

00:46:34,120 --> 00:46:31,880

was about frogs a couple years ago

1075

00:46:37,059 --> 00:46:34,130

people remember that to this day of

1076
00:46:39,250 --> 00:46:37,069
wonderful work by scientists Germany

1077
00:46:42,130 --> 00:46:39,260
Ronnie I think from the Australian

1078
00:46:44,920 --> 00:46:42,140
Museum we'll talk about frogs including

1079
00:46:46,420 --> 00:46:44,930
the famine by a frog you never know what

1080
00:46:48,460 --> 00:46:46,430
you get when you come the skeptics in

1081
00:46:51,609 --> 00:46:48,470
the pub so it's all about looking at

1082
00:46:54,849 --> 00:46:51,619
some famous psychic pets and letting

1083
00:46:59,609 --> 00:46:54,859
everybody here join in on the fun so if

1084
00:47:03,579 --> 00:46:59,619
North is your potential psychic ability

1085
00:47:05,339 --> 00:47:03,589
also here tonight is the Star reporter

1086
00:47:09,970 --> 00:47:05,349
for the skipped example cast not

1087
00:47:11,589 --> 00:47:09,980
everybody comes out and he might be

1088
00:47:13,510 --> 00:47:11,599

coming around a bit later on to have a

1089

00:47:15,819 --> 00:47:13,520

check to you for the podcast if you want

1090

00:47:18,730 --> 00:47:15,829

to say hello or give more thoughts and

1091

00:47:20,980 --> 00:47:18,740

comments that's always welcome so there

1092

00:47:23,349 --> 00:47:20,990

are three tests now we're going to keep

1093

00:47:24,519 --> 00:47:23,359

up with the classic Zener cards which

1094

00:47:26,289 --> 00:47:24,529

will be explained to you in a moment

1095

00:47:28,299 --> 00:47:26,299

then it will have the chance for

1096

00:47:34,970 --> 00:47:28,309

everybody who wants to to try their hand

1097

00:47:40,950 --> 00:47:38,790

we'll get to that soon and the winner of

1098

00:47:59,460 --> 00:47:40,960

these any cards gets are pretreated the

1099

00:48:01,950 --> 00:47:59,470

power of their choice and the winner of

1100

00:48:03,570 --> 00:48:01,960

our final test which is the classic

1101

00:48:06,210 --> 00:48:03,580

heads and tails which is a prediction

1102

00:48:08,520 --> 00:48:06,220

test see how well your psychic

1103

00:48:11,040 --> 00:48:08,530

prediction works gets a copy an

1104

00:48:13,620 --> 00:48:11,050

autographed copy of this book and then

1105

00:48:15,920 --> 00:48:13,630

your name the scientific exploration of

1106

00:48:19,800 --> 00:48:15,930

the world's most interesting ways to die

1107

00:48:21,930 --> 00:48:19,810

and uplifting it is uplifting which I

1108

00:48:23,370 --> 00:48:21,940

reviewed on this hippies own podcast and

1109

00:48:25,050 --> 00:48:23,380

I met the author and so that's

1110

00:48:27,480 --> 00:48:25,060

autographed by the author so that's the

1111

00:48:31,110 --> 00:48:27,490

grand prize tonight but tonight it's all

1112

00:48:36,120 --> 00:48:31,120

about fun and interest and help kick off

1113

00:48:39,030 --> 00:48:36,130

our first test and allow me to sister

1114

00:48:41,090 --> 00:48:39,040

I'll be assisting the wonderful Jessica

1115

00:48:46,560 --> 00:48:41,100

white everybody

1116

00:48:48,240 --> 00:48:46,570

Jessica's taking the stage I'm not used

1117

00:48:53,850 --> 00:48:48,250

to holding a microphone so it's unholy

1118

00:48:57,360 --> 00:48:53,860

to close so I'm beginning a little bit

1119

00:48:59,100 --> 00:48:57,370

of an introduction on zan cars so first

1120

00:49:03,240 --> 00:48:59,110

I'll just start by showing you what they

1121

00:49:06,920 --> 00:49:04,450

[Music]

1122

00:49:07,610 --> 00:49:06,930

okay this is where the skeptics rubber

1123

00:49:16,520 --> 00:49:07,620

meets the road

1124

00:49:20,060 --> 00:49:16,530

skeptically Richard is approaching

1125

00:49:22,250 --> 00:49:20,070

Jessica and giving her a Xena card which

1126
00:49:34,310 --> 00:49:22,260
she's holding close and no one can see

1127
00:49:35,540 --> 00:49:34,320
it people are kissing we do you what

1128
00:49:41,990 --> 00:49:35,550
she's thinking a lot of white noise

1129
00:49:43,400 --> 00:49:42,000
there but just earlier Jessica that's

1130
00:49:47,150 --> 00:49:43,410
mentioning it she's a big fan of the

1131
00:50:00,380 --> 00:49:47,160
movie Grease - oh she could be the only

1132
00:50:03,290 --> 00:50:00,390
fan of movie Grease - more cons now if

1133
00:50:05,570 --> 00:50:03,300
you could cut the tension in the room

1134
00:50:07,220 --> 00:50:05,580
with something that wasn't a knife that

1135
00:50:15,470 --> 00:50:07,230
could cut tension that can't be

1136
00:50:21,059 --> 00:50:18,660
let's just see how these shadowy indeed

1137
00:50:31,140 --> 00:50:21,069
skeptics go when they put to the test

1138
00:50:33,240 --> 00:50:31,150

hello okay bingo got to round H now with

1139

00:50:34,920 --> 00:50:33,250

the Zener cards I Jessica is having

1140

00:50:36,839 --> 00:50:34,930

trouble concentrating I think because

1141

00:50:39,700 --> 00:50:36,849

the Zener cards have been dipped in

1142

00:50:39,710 --> 00:51:07,589

[Music]

1143

00:51:21,190 --> 00:51:14,289

okay ready very tense moment here number

1144

00:51:35,519 --> 00:51:21,200

one Russ or yeah and in the last one ten

1145

00:51:42,700 --> 00:51:38,019

so any any what this table got it how'd

1146

00:51:44,620 --> 00:51:42,710

you go it around there no he's not

1147

00:51:49,349 --> 00:51:44,630

psychic and he might be a member of the

1148

00:51:54,549 --> 00:51:51,849

now we find out if among about the

1149

00:52:30,729 --> 00:51:54,559

hundred skeptics here anybody got all

1150

00:52:36,779 --> 00:52:30,739

ten correct zero poor effort go someone

1151
00:52:42,279 --> 00:52:41,170
you've just here don't all come at once

1152
00:52:44,650 --> 00:52:42,289
and we're going to give you a to

1153
00:52:47,259 --> 00:52:44,660
divining rod and your job is to walk up

1154
00:52:49,479 --> 00:52:47,269
and walk along the boxes until you think

1155
00:52:52,989 --> 00:52:49,489
you know which box the waters in and

1156
00:52:55,029 --> 00:52:52,999
then your line will be recorded with the

1157
00:53:00,200 --> 00:52:55,039
possible selection and once everyone's

1158
00:53:01,730 --> 00:53:00,210
here to go number of successful

1159
00:53:03,860 --> 00:53:01,740
[Music]

1160
00:53:05,840 --> 00:53:03,870
right now it's for the people to come up

1161
00:53:08,390 --> 00:53:05,850
and see if they can find out what bottle

1162
00:53:10,130 --> 00:53:08,400
Richard has hidden it under we all hid

1163
00:53:18,080 --> 00:53:10,140

it from him he it's been Randall to

1164

00:53:30,860 --> 00:53:18,090

randomly assigned to buy a dice idea I'm

1165

00:53:31,730 --> 00:53:30,870

gonna go after the bar you feeling

1166

00:53:32,960 --> 00:53:31,740

confident oh you sir

1167

00:53:35,360 --> 00:53:32,970

absolutely you've done some water

1168

00:53:38,000 --> 00:53:35,370

divining before no okay not that I know

1169

00:53:40,150 --> 00:53:38,010

this could be your first time future

1170

00:53:42,460 --> 00:53:40,160

millionaire I was talking to there

1171

00:53:44,990 --> 00:53:42,470

Marcus who should I find the bar but

1172

00:53:46,610 --> 00:53:45,000

ilithya who is checking out the house

1173

00:53:48,500 --> 00:53:46,620

sparkling as you would expect from a

1174

00:53:50,300 --> 00:53:48,510

woman of her quality so how did you on

1175

00:53:54,260 --> 00:53:50,310

those in a card test ilithya I've got a

1176

00:53:55,610 --> 00:53:54,270

big goose egg nothing nothing call

1177

00:53:57,620 --> 00:53:55,620

yourself a member of the shadow really

1178

00:54:00,620 --> 00:53:57,630

Duluth I say yeah and you're not gonna

1179

00:54:03,230 --> 00:54:00,630

forget the wood divining already one at

1180

00:54:04,790 --> 00:54:03,240

all oh we don't know you do he was okay

1181

00:54:08,540 --> 00:54:04,800

what okay which one did you get an

1182

00:54:10,520 --> 00:54:08,550

attraction to I my I don't get the

1183

00:54:13,940 --> 00:54:10,530

attraction divining rods

1184

00:54:16,250 --> 00:54:13,950

I immediately attracted to five five

1185

00:54:18,380 --> 00:54:16,260

okay righty-o well we'll just see how

1186

00:54:19,970 --> 00:54:18,390

she goes when the reserves yeah when

1187

00:54:21,770 --> 00:54:19,980

it's reviewed in just a minute okay

1188

00:54:24,570 --> 00:54:21,780

she's doing some champagne dividing

1189

00:54:26,710 --> 00:54:24,580

right now actually by the way

1190

00:54:28,780 --> 00:54:26,720

Lara you're looking confident with this

1191

00:54:32,460 --> 00:54:28,790

oh yeah very common oh yes you can find

1192

00:54:35,320 --> 00:54:32,470

water anywhere you doesn't drink water I

1193

00:54:37,210 --> 00:54:35,330

saw I'm at the table now watching as we

1194

00:54:39,340 --> 00:54:37,220

go through people using air divining

1195

00:54:41,590 --> 00:54:39,350

rods with the hidden bottle of water

1196

00:54:44,170 --> 00:54:41,600

under one of six different containers

1197

00:54:46,420 --> 00:54:44,180

people are testing out their done so if

1198

00:54:51,220 --> 00:54:46,430

you're feeling confident are you I am

1199

00:54:54,750 --> 00:54:51,230

indeed what you go just confident in her

1200

00:55:02,490 --> 00:54:58,960

okay she's walking along there seems to

1201
00:55:05,410 --> 00:55:02,500
be no deflection at all at the moment

1202
00:55:06,670 --> 00:55:05,420
doesn't seem to be going any do it not

1203
00:55:08,340 --> 00:55:06,680
getting anything either way are you

1204
00:55:11,530 --> 00:55:08,350
really

1205
00:55:13,030 --> 00:55:11,540
hmm that's pointing it in Brys bit of a

1206
00:55:15,700 --> 00:55:13,040
disappointment really that's not quite

1207
00:55:19,030 --> 00:55:15,710
although he is mainly uh-oh right now

1208
00:55:20,380 --> 00:55:19,040
she's hit herself in the chin here we go

1209
00:55:22,900 --> 00:55:20,390
he's there calm if you're still feeling

1210
00:55:24,220 --> 00:55:22,910
confident no now he's lost at all real

1211
00:55:29,900 --> 00:55:24,230
he's gone to water here but that's what

1212
00:55:40,830 --> 00:55:36,960
first timer and East he's got something

1213
00:55:42,540 --> 00:55:40,840

nice feeling it for number three I'll

1214

00:55:44,700 --> 00:55:42,550

just take you sideline now to where

1215

00:55:46,080 --> 00:55:44,710

Jessica and Richard are but you you run

1216

00:55:47,850 --> 00:55:46,090

a few of these before how do you think

1217

00:55:49,890 --> 00:55:47,860

that people seem to be game but only you

1218

00:55:52,320 --> 00:55:49,900

know where it is so don't say anything

1219

00:55:54,240 --> 00:55:52,330

but what I think the style of the

1220

00:55:56,430 --> 00:55:54,250

divining rod usage here tonight at the

1221

00:55:58,650 --> 00:55:56,440

skeptics I'm pretty impressed the style

1222

00:56:01,470 --> 00:55:58,660

of the diviners is pretty good not many

1223

00:56:02,910 --> 00:56:01,480

people are dipping it or using it

1224

00:56:04,830 --> 00:56:02,920

incorrectly it's like they've had some

1225

00:56:06,510 --> 00:56:04,840

sort of spooky experience but the

1226

00:56:09,060 --> 00:56:06,520

tension is high this gentleman Lee is

1227

00:56:11,640 --> 00:56:09,070

now deciding between four and five and

1228

00:56:12,840 --> 00:56:11,650

three I think man the tension it's just

1229

00:56:24,120 --> 00:56:12,850

something you can cut but something you

1230

00:56:25,560 --> 00:56:24,130

cut tension me do most people seem

1231

00:56:33,270 --> 00:56:25,570

confident as they give you their number

1232

00:56:35,550 --> 00:56:33,280

Jessica I think so okay do you feel

1233

00:56:37,349 --> 00:56:35,560

confident in your pick dear Gail yes

1234

00:56:38,070 --> 00:56:37,359

she's very confident it could be a

1235

00:56:42,240 --> 00:56:38,080

winner there

1236

00:57:56,310 --> 00:57:49,260

okay Richard okay was a number four

1237

00:57:58,349 --> 00:57:56,320

number six we had somebody only one

1238

00:58:03,230 --> 00:57:58,359

person Darryl pick the water that was

1239

00:58:06,450 --> 00:58:03,240

under box number six maybe see their

1240

00:58:11,280 --> 00:58:06,460

probability of getting two runs correct

1241

00:58:12,570 --> 00:58:11,290

by chance alone one in 36 very good so

1242

00:58:14,910 --> 00:58:12,580

we're doing this for the hundred

1243

00:58:16,650 --> 00:58:14,920

thousand dollars and we have more mini

1244

00:58:31,130 --> 00:58:16,660

bills or whatever we need slightly

1245

00:58:31,140 --> 00:58:54,380

[Applause]

1246

00:58:54,390 --> 00:59:20,779

[Music]

1247

00:59:23,339 --> 00:59:22,620

we're speaking to the winner of the

1248

00:59:26,279 --> 00:59:23,349

water

1249

00:59:28,440 --> 00:59:26,289

Monica Darrell now - what do you put

1250

00:59:30,989 --> 00:59:28,450

down your amazing success finding the

1251

00:59:32,579 --> 00:59:30,999

bottle of water tonight well I I found

1252

00:59:34,859 --> 00:59:32,589

the bottle of water by dangling my

1253

00:59:37,650 --> 00:59:34,869

android phone over the boxes

1254

00:59:39,420 --> 00:59:37,660

was he cheating I was know about how I

1255

00:59:41,849 --> 00:59:39,430

cheated the way I cheated was that I

1256

00:59:43,150 --> 00:59:41,859

psycho kinetically told the dice which

1257

00:59:45,640 --> 00:59:43,160

way to land

1258

00:59:48,190 --> 00:59:45,650

why that's a new one that's a new one

1259

00:59:48,910 --> 00:59:48,200

mr. smarty Richard I'm gobsmacked I

1260

00:59:51,430 --> 00:59:48,920

didn't think of that

1261

00:59:53,770 --> 00:59:51,440

yes you put that new credibility and

1262

00:59:56,140 --> 00:59:53,780

smoked it well well done so what'd you

1263

00:59:59,140 --> 00:59:56,150

win for your efforts tonight I won a

1264

01:00:00,370 --> 00:59:59,150

t-shirt and a drink well that's the

1265

01:00:02,200 --> 01:00:00,380

biggest prize that have been given to

1266

01:00:04,450 --> 01:00:02,210

the skeptic servo so congratulate that

1267

01:00:06,250 --> 01:00:04,460

won't happen again no I enjoyed the

1268

01:00:08,140 --> 01:00:06,260

drink though well done well

1269

01:00:09,130 --> 01:00:08,150

congratulations oh thank you Richard had

1270

01:00:10,120 --> 01:00:09,140

to go tonight

1271

01:00:11,710 --> 01:00:10,130

pretty much what you would have expected

1272

01:00:14,980 --> 01:00:11,720

with this about a hundred people here

1273

01:00:17,680 --> 01:00:14,990

yeah you know what it really was we had

1274

01:00:22,360 --> 01:00:17,690

two rounds of water divining which was

1275

01:00:24,490 --> 01:00:22,370

about right we had six rounds heads and

1276

01:00:27,970 --> 01:00:24,500

tails which is about right six or seven

1277

01:00:29,380 --> 01:00:27,980

rounds and we well the only thing that

1278

01:00:32,320 --> 01:00:29,390

was out of the ordinary was somebody got

1279

01:00:34,090 --> 01:00:32,330

six in a cards right we didn't expect

1280

01:00:35,770 --> 01:00:34,100

that right because you would expect a

1281

01:00:38,710 --> 01:00:35,780

result of two or three at the most

1282

01:00:40,120 --> 01:00:38,720

usually within two or three but it's if

1283

01:00:42,280 --> 01:00:40,130

you look at a bell curve it's certainly

1284

01:00:43,900 --> 01:00:42,290

within the bell curve and if we did it

1285

01:00:45,400 --> 01:00:43,910

again and again and again it would even

1286

01:00:47,680 --> 01:00:45,410

out of course but that was a slightly

1287

01:00:50,350 --> 01:00:47,690

unusual result now with Ward divining

1288

01:00:52,780 --> 01:00:50,360

where you have a choice of six in was

1289

01:00:54,040 --> 01:00:52,790

saying to get the \$10,000 skeptic prize

1290

01:00:56,290 --> 01:00:54,050

here in Australia you would have to get

1291

01:00:57,970 --> 01:00:56,300

to the one-in-a-million point how many

1292

01:00:59,440 --> 01:00:57,980

times would you have to get it right out

1293

01:01:01,570 --> 01:00:59,450

of the one in six to get to the

1294

01:01:03,100 --> 01:01:01,580

one-in-a-million result you can cut me

1295

01:01:05,080 --> 01:01:03,110

on the spot I have to do the

1296

01:01:09,670 --> 01:01:05,090

calculations but one in a million is

1297

01:01:13,360 --> 01:01:09,680

more of a phrase it just has to be

1298

01:01:15,250 --> 01:01:13,370

sufficient to exclude chance right so

1299

01:01:17,260 --> 01:01:15,260

one in a hundred thousand would probably

1300

01:01:19,330 --> 01:01:17,270

be good enough yeah depend on depending

1301

01:01:21,190 --> 01:01:19,340

on the test but the point is it could be

1302

01:01:22,960 --> 01:01:21,200

one in a trillion if somebody can do it

1303

01:01:24,520 --> 01:01:22,970

then the odds don't matter because

1304

01:01:26,860 --> 01:01:24,530

they'll repeatedly do it they'll just do

1305

01:01:29,080 --> 01:01:26,870

it you could throw any odds they like at

1306

01:01:30,610 --> 01:01:29,090

it yes so I've just I've just come up

1307

01:01:32,560 --> 01:01:30,620

with a drink for Richard Maynard can I

1308

01:01:34,330 --> 01:01:32,570

buy your drink yes thank you I'll go

1309

01:01:36,220 --> 01:01:34,340

with that 70s classic vodka and orange

1310

01:01:41,910 --> 01:01:36,230

in a short glass thank you awesome

1311

01:01:41,920 --> 01:01:58,800

[Music]

1312

01:02:02,830 --> 01:02:01,060

thank you for listening to the skipping

1313

01:02:07,780 --> 01:02:02,840

zone this week now as I said at the top

1314

01:02:10,990 --> 01:02:07,790

of the show late breaking news let me

1315

01:02:16,290 --> 01:02:11,000

have a look according to the ABC ABC net

1316

01:02:19,390 --> 01:02:16,300

day you as an item here published today

1317

01:02:22,660 --> 01:02:19,400

just just published anti-vaccination

1318

01:02:26,010 --> 01:02:22,670

myths debunked in a new campaign to

1319

01:02:29,140 --> 01:02:26,020

counter low immunization rates and this

1320

01:02:31,360 --> 01:02:29,150

goes on to say there is no truth in the

1321

01:02:33,520 --> 01:02:31,370

anti vaccination campaign and the

1322

01:02:34,750 --> 01:02:33,530

ongoing myths around it are putting

1323

01:02:37,180 --> 01:02:34,760

Australian lives at risk

1324

01:02:39,640 --> 01:02:37,190

Australia's chief medical officer has

1325

01:02:42,220 --> 01:02:39,650

said at the launch of a new campaign in

1326
01:02:45,610 --> 01:02:42,230
Melbourne and I think gathering what I

1327
01:02:48,670 --> 01:02:45,620
can gather quickly it could have it

1328
01:02:51,580 --> 01:02:48,680
could be the work of the anti-vaxxers

1329
01:02:54,220 --> 01:02:51,590
that has helped inspire this new

1330
01:02:56,560 --> 01:02:54,230
campaign a film VAX from cover-up to

1331
01:02:59,560 --> 01:02:56,570
catastrophe has been causing controversy

1332
01:03:02,530 --> 01:02:59,570
by linking measles mumps rubella vaccine

1333
01:03:04,210 --> 01:03:02,540
to autism so the government is the it

1334
01:03:07,300 --> 01:03:04,220
says the Australian Government launched

1335
01:03:09,850 --> 01:03:07,310
a 5.5 million dollar immunization

1336
01:03:11,440 --> 01:03:09,860
education campaign to counter the views

1337
01:03:13,060 --> 01:03:11,450
of the anti vaccination lobby with

1338
01:03:17,290 --> 01:03:13,070

evidence-based information that parents

1339

01:03:19,390 --> 01:03:17,300

could easily access G anti-vaxxers I

1340

01:03:21,970 --> 01:03:19,400

don't know maybe we should send you a

1341

01:03:25,050 --> 01:03:21,980

bottle of champagne for helping raise

1342

01:03:27,670 --> 01:03:25,060

the level of awareness in this country

1343

01:03:30,450 --> 01:03:27,680

through the federal government to the

1344

01:03:34,030 --> 01:03:30,460

benefits of vaccine well done well done

1345

01:03:36,040 --> 01:03:34,040

enough of that sarcasm coming up on next

1346

01:03:37,450 --> 01:03:36,050

week's show well if there's any updates

1347

01:03:39,820 --> 01:03:37,460

to this story we'll certainly bring you

1348

01:03:41,950 --> 01:03:39,830

those I know we have some more reports

1349

01:03:44,650 --> 01:03:41,960

from the raw skeptic Heidi Robinson

1350

01:03:46,540 --> 01:03:44,660

waiting in the wings Heidi was very busy

1351

01:03:48,610 --> 01:03:46,550

she sent me some wonderful reports and

1352

01:03:51,550 --> 01:03:48,620

interviews so will slot one of those in

1353

01:03:53,620 --> 01:03:51,560

for next week I think we're going to

1354

01:03:56,800 --> 01:03:53,630

bring you some of the highlights of the

1355

01:03:59,380 --> 01:03:56,810

launch of science week or the science

1356

01:04:02,680 --> 01:03:59,390

festival here in Sydney Maynard and I

1357

01:04:04,450 --> 01:04:02,690

went down to the powerhouse museum just

1358

01:04:06,010 --> 01:04:04,460

a few nights ago where we attended the

1359

01:04:08,200 --> 01:04:06,020

launch and had a really wonderful time

1360

01:04:10,329 --> 01:04:08,210

thank you to the wonderful folks at the

1361

01:04:13,150 --> 01:04:10,339

powerhouse museum for having us there

1362

01:04:15,939 --> 01:04:13,160

and we spoke to lots of scientists

1363

01:04:17,739 --> 01:04:15,949

including including the fabulous dr.

1364

01:04:22,029 --> 01:04:17,749

Jody Rowley from the Australian Museum

1365

01:04:25,150 --> 01:04:22,039

who's an expert on frogs frogs it's

1366

01:04:27,390 --> 01:04:25,160

really interesting stuff and as ever my

1367

01:04:29,469 --> 01:04:27,400

personal thanks to everybody who

1368

01:04:34,269 --> 01:04:29,479

contributes to the show to keep it

1369

01:04:37,599 --> 01:04:34,279

online on air out there in your ears you

1370

01:04:39,400 --> 01:04:37,609

know what I mean and no matter where

1371

01:04:41,170 --> 01:04:39,410

you're listening to us if you're sitting

1372

01:04:43,390 --> 01:04:41,180

on the train at the moment almost at

1373

01:04:46,420 --> 01:04:43,400

your work from commuting if you're out

1374

01:04:49,839 --> 01:04:46,430

walking the dog or jogging some people

1375

01:04:52,650 --> 01:04:49,849

listen to us riding their bicycles some

1376

01:04:56,579 --> 01:04:52,660

people some truckers truck ease truckers

1377

01:04:58,839 --> 01:04:56,589

in Australia and I know in Canada

1378

01:05:01,660 --> 01:04:58,849

driving through the snow listen to the

1379

01:05:05,709 --> 01:05:01,670

skeptic zone well I'm really pleased

1380

01:05:06,400 --> 01:05:05,719

that we are keeping you company where

1381

01:05:09,189 --> 01:05:06,410

your friend

1382

01:05:11,799 --> 01:05:09,199

I hope on long journey is something

1383

01:05:14,069 --> 01:05:11,809

interesting for you to listen to but

1384

01:05:21,549 --> 01:05:14,079

until next week this is Richard Saunders

1385

01:05:23,169 --> 01:05:21,559

signing off from Sydney Australia you've

1386

01:05:27,189 --> 01:05:23,179

been listening to the skeptic zone

1387

01:05:30,099 --> 01:05:27,199

podcast visit our website at WWF tags on

1388

01:05:33,969 --> 01:05:30,109

TV for contacts an archive of all

1389

01:05:36,249 --> 01:05:33,979

episodes since 2008 and our online store

1390

01:05:38,969 --> 01:05:36,259

please support the skeptic zone by

1391

01:05:41,979 --> 01:05:38,979

following us on Twitter at skeptic zone

1392

01:05:45,039 --> 01:05:41,989

liking us on Facebook and leaving a

1393

01:05:47,919 --> 01:05:45,049

review on iTunes you can also show your

1394

01:05:51,370 --> 01:05:47,929

support by subscribing via PayPal for as

1395

01:05:53,709 --> 01:05:51,380

little as 99 cents a week the skeptic

1396

01:05:55,509 --> 01:05:53,719

zone is an independent production the

1397

01:05:57,640 --> 01:05:55,519

views and opinions expressed on the

1398

01:05:59,709 --> 01:05:57,650

skeptic zone are not necessarily those

1399

01:06:05,660 --> 01:05:59,719

of Australian skeptic League or any

1400

01:06:05,670 --> 01:06:09,810

[Music]

1401

01:06:13,960 --> 01:06:12,160

I've opened the window of the studio

1402

01:06:18,570 --> 01:06:13,970

here and there are two little skeptic

1403

01:06:24,099 --> 01:06:18,580

zone cats hello sniffing the microphone

1404

01:06:28,150 --> 01:06:24,109

you two now just before leaping down

1405

01:06:31,510 --> 01:06:28,160

they were living their presence be known

1406

01:06:33,270 --> 01:06:31,520

with mouths and things because I think

1407

01:06:39,190 --> 01:06:33,280

they want some breakfast

1408

01:06:40,960 --> 01:06:39,200

what's that of course once you put the

1409

01:06:46,800 --> 01:06:40,970

microphone on and you want them to say

1410

01:06:53,830 --> 01:06:46,810

something silence come up here come on

1411

01:06:59,109 --> 01:06:53,840

look see that see what we can get them

1412

01:07:01,359 --> 01:06:59,119

to say lord I know this is a surefire

1413

01:07:08,650 --> 01:07:01,369

way I'll go down stop run downstairs

1414

01:07:36,460 --> 01:07:08,660

here we go and I'll go into the laundry